

ATTACHMENT H
DRAFT EIR

Draft Environmental Impact Report SCH No. 2021080103

Affinity Project

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TABLE OF CONTENTS

<u>Section</u>	<u>Page</u>
Executive Summary	ES-1
Introduction.....	ES-1
Project Location and Setting	ES-1
Project Description	ES-2
Project Alternatives	ES-3
Issues to be Resolved	ES-4
Areas of Controversy.....	ES-4
Summary of Significant Environmental Impacts	ES-5
Section 1.0 Introduction	1-1
1.1 Purpose of the EIR	1-1
1.1.1 Regulatory Framework.....	1-1
1.1.2 Lead Agency.....	1-1
1.1.3 Incorporation by Reference.....	1-1
1.2 EIR Focus	1-2
1.2.1 Scoping Process.....	1-2
1.3 Project Applicant and Contact Person	1-7
1.4 Public Review of the Draft EIR	1-7
1.5 Decision-Making process.....	1-8
Section 2.0 Environmental Setting and Project Description	2-1
2.1 Project Location	2-1
2.2 Project Setting and Characteristics.....	2-1
2.2.1 On-site and Surrounding Land Uses.....	2-1
2.2.2 Physical Characteristics.....	2-2
2.2.3 Relevant Planning Considerations.....	2-4
2.3 Project Objectives.....	2-5
2.4 Project Description.....	2-6
2.4.1 Proposed Land Uses	2-7
2.4.2 Construction Scenario.....	2-12
2.4.3 Project Operation	2-13
2.5 Planned Development Plan and Exchange Program	2-14
2.6 Approach to Cumulative Impact Analysis	2-15
2.7 Intended Uses of the EIR.....	2-18
2.7.1 City of Pasadena.....	2-18
2.7.2 Responsible and Trustee Agencies	2-18
2.8 References	2-19

Section 3.0	Environmental Analysis.....	3-1
3.1	Air Quality	3.1-1
3.1.1	Existing Conditions	3.1-1
3.1.2	Relevant Programs and Regulations	3.1-7
3.1.3	Thresholds of Significance.....	3.1-12
3.1.4	Methodology	3.1-12
3.1.5	Environmental Impacts	3.1-14
3.1.6	Cumulative Impacts	3.1-27
3.1.7	Mitigation Measures.....	3.1-27
3.1.8	Level of Significance After Mitigation	3.1-28
3.1.9	Summary of Analysis	3.1-28
3.1.10	References.....	3.1-28
3.2	Cultural and Paleontological Resources.....	3.2-1
3.2.1	Existing Conditions	3.2-1
3.2.2	Relevant Cultural Resource Regulations	3.2-4
3.2.3	Thresholds of Significance.....	3.2-11
3.2.4	Methodology	3.2-12
3.2.5	Environmental Impacts	3.2-12
3.2.6	Cumulative Impacts	3.2-15
3.2.7	Mitigation Measures.....	3.2-16
3.2.8	Level of Significance After Mitigation	3.2-17
3.2.9	Summary of Analysis	3.2-17
3.2.10	References.....	3.2-18
3.3	Energy	3.3-1
3.3.1	Existing Conditions	3.3-1
3.3.2	Relevant Programs and Regulations	3.3-1
3.3.3	Thresholds of Significance.....	3.3-3
3.3.4	Methodology	3.3-3
3.3.5	Environmental Impacts	3.3-4
3.3.6	Cumulative Impacts	3.3-8
3.3.7	Mitigation Measures.....	3.3-8
3.3.8	Level of Significance After Mitigation	3.3-8
3.3.9	Summary of Analysis	3.3-9
3.3.10	References.....	3.3-9
3.4	Greenhouse Gas Emissions	3.4-1
3.4.1	Existing Conditions	3.4-1
3.4.2	Relevant Programs and Regulations	3.4-5
3.4.3	Thresholds of Significance.....	3.4-13
3.4.4	Methodology	3.4-14
3.4.5	Environmental Impacts	3.4-14
3.4.6	Cumulative Impacts	3.4-22
3.4.7	Mitigation Measures.....	3.4-22
3.4.8	Level of Significance After Mitigation	3.4-22
3.4.9	Summary of Analysis	3.4-22
3.4.10	References.....	3.4-23
3.5	Hazards and Hazardous Materials	3.5-1
3.5.1	Existing Conditions	3.5-1
3.5.2	Relevant Programs and Regulations	3.5-5
3.5.3	Thresholds of Significance.....	3.5-9

3.5.4	<i>Methodology</i>	3.5-10
3.5.5	<i>Environmental Impacts</i>	3.5-10
3.5.6	<i>Cumulative Impacts</i>	3.5-13
3.5.7	<i>Mitigation Measures</i>	3.5-14
3.5.8	<i>Level of Significance After Mitigation</i>	3.5-14
3.5.9	<i>Summary of Analysis</i>	3.5-14
3.5.10	<i>References</i>	3.5-14
3.6	<i>Land Use and Planning</i>	3.6-1
3.6.1	<i>Existing Conditions</i>	3.6-1
3.6.2	<i>Relevant Programs and Regulations</i>	3.6-2
3.6.3	<i>Thresholds of Significance</i>	3.6-6
3.6.4	<i>Methodology</i>	3.6-6
3.6.5	<i>Environmental Impacts</i>	3.6-6
3.6.6	<i>Cumulative Impacts</i>	3.6-25
3.6.7	<i>Mitigation Measures</i>	3.6-25
3.6.8	<i>Level of Significance After Mitigation</i>	3.6-25
3.6.9	<i>Summary of Analysis</i>	3.6-25
3.6.10	<i>References</i>	3.6-26
3.7	<i>Noise</i>	3.7-1
3.7.1	<i>Existing Conditions</i>	3.7-1
3.7.2	<i>Relevant Programs and Regulations</i>	3.7-5
3.7.3	<i>Thresholds of Significance</i>	3.7-10
3.7.4	<i>Methodology</i>	3.7-10
3.7.5	<i>Environmental Impacts</i>	3.7-11
3.7.6	<i>Cumulative Impacts</i>	3.7-19
3.7.7	<i>Mitigation Measures</i>	3.7-20
3.7.8	<i>Level of Significance After Mitigation</i>	3.7-21
3.7.9	<i>Summary of Analysis</i>	3.7-21
3.7.10	<i>References</i>	3.7-22
3.8	<i>Public Services and Recreation</i>	3.8-1
3.8.1	<i>Existing Conditions</i>	3.8-1
3.8.2	<i>Relevant Programs and Regulations</i>	3.8-6
3.8.3	<i>Thresholds of Significance</i>	3.8-9
3.8.4	<i>Methodology</i>	3.8-10
3.8.5	<i>Environmental Impacts</i>	3.8-10
3.8.6	<i>Cumulative Impacts</i>	3.8-14
3.8.7	<i>Mitigation Measures</i>	3.8-16
3.8.8	<i>Level of Significance After Mitigation</i>	3.8-16
3.8.9	<i>Summary of Analysis</i>	3.8-16
3.8.10	<i>References</i>	3.8-17
3.9	<i>Transportation</i>	3.9-1
3.9.1	<i>Existing Conditions</i>	3.9-1
3.9.2	<i>Relevant Programs and Regulations</i>	3.9-4
3.9.3	<i>Thresholds of Significance</i>	3.9-6
3.9.4	<i>Methodology</i>	3.9-7
3.9.5	<i>Environmental Impacts</i>	3.9-9
3.9.6	<i>Cumulative Impacts</i>	3.9-13
3.9.7	<i>Mitigation Measures</i>	3.9-13
3.9.8	<i>Level of Significance After Mitigation</i>	3.9-13

3.9.9	Summary of Analysis	3.9-13
3.9.10	References.....	3.9-14
3.10	Tribal Cultural Resources	3.10-1
3.10.1	Existing Conditions	3.10-1
3.10.2	Relevant Programs and Regulations	3.10-1
3.10.3	Thresholds of Significance.....	3.10-3
3.10.4	Methodology	3.10-3
3.10.5	Environmental Impacts	3.10-3
3.10.6	Cumulative Impacts	3.10-5
3.10.7	Mitigation Measures.....	3.10-6
3.10.8	Level of Significance After Mitigation	3.10-7
3.10.9	Summary of Analysis	3.10-7
3.11	Utilities and Service Systems	3.11-1
3.11.1	Existing Conditions	3.11-1
3.11.2	Relevant Programs and Regulations	3.11-7
3.11.3	Thresholds of Significance.....	3.11-12
3.11.4	Methodology	3.11-13
3.11.5	Environmental Impacts	3.11-13
3.11.6	Cumulative Impacts	3.11-27
3.11.7	Mitigation Measures.....	3.11-29
3.11.8	Level of Significance After Mitigation	3.11-29
3.11.9	Summary of Analysis	3.11-29
3.11.10	References.....	3.11-29
Section 4.0	Alternatives.....	4-1
4.1	Introduction	4-1
4.1.1	Criteria for Selecting Alternatives.....	4-1
4.1.2	Alternatives to the Proposed Project.....	4-3
4.2	Alternatives Eliminated From Detailed Consideration	4-4
4.2.1	Alternative Site.....	4-4
4.2.2	Project with No Variance for Historic Resources	4-5
4.3	Alternatives Carried Forward for Detailed Consideration	4-6
4.3.1	Alternative 1: No Project/No Development	4-6
4.3.2	Alternative 2: Project Development with Existing Zoning.....	4-9
4.3.3	Alternative 3: All Residential Project with Variance for Historic Resources.....	4-15
4.3.4	Alternative 4: All Medical Office Project with Variance for Historic Resources.....	4-21
4.4	Environmentally Superior Alternative.....	4-26
4.5	References	4-30
Section 5.0	Other Required CEQA Considerations	5-1
5.1	Significant Irreversible Environmental Changes	5-1
5.2	Growth-Inducing Impacts.....	5-2
5.3	References	5-6

Section 6.0	Document Preparers and Contributors	6-1
6.1	City of Pasadena Planning and Community Development Department	6-1
6.2	City of Pasadena Department of Transportation	6-1
6.3	Consultants	6-1

TABLES

<u>Table</u>	<u>Page</u>
ES-1 Summary of Project Impacts, Mitigation, and Level of Significance After Mitigation	7
1-1 Summary of Comments Received During Scoping Period	1-2
2-1 Summary of Existing Land Uses	2-1
2-2 Tree Inventory Summary	2-3
2-3 Summary of Proposed Land Uses	2-8
2-4 City of Pasadena General Plan Development Caps	2-17
2-5 City of Pasadena Remaining Development Capacity	2-17
2-6 Other Agency Approvals and Requirements	2-18
3.1-1 Air Quality Monitoring Data From the Pasadena-South Wilson Avenue Monitoring Station	3.1-5
3.1-2 Attainment Status of Criteria Pollutants in the South Coast Air Basin	3.1-6
3.1-3 Peak Daily Existing Emissions	3.1-7
3.1-4 California and Federal Ambient Air Quality Standards	3.1-8
3.1-5 SCAQMD Air Quality Significance Thresholds	3.1-13
3.1-6 Estimated Maximum Daily Construction Emissions for the Project	3.1-17
3.1-7 Localized Construction Emissions for the Project	3.1-18
3.1-8 Net Operational Emissions for the Project	3.1-19
3.1-9 Localized Operational Emissions for the PProject	3.1-20
3.1-10 Estimated Maximum Daily Construction Emissions for the Project with Building A Residential/Commercial	3.1-21
3.1-11 Localized Construction Emissions for the Project with Building A Residential/Commercial	3.1-22
3.1-12 Net Operational Emissions for the Project with Building A Residential/Commercial	3.1-23
3.1-13 Localized Operational Emissions for the Project with Building A Residential/Commercial	3.1-24
3.2-1 Previously Recorded Historical Resources on the Project Site	3.2-2
3.2-2 Previously Recorded Historical Resources in the Project Vicinity	3.2-3
3.3-1 Construction-Related Energy Use for the Project	3.3-4
3.3-2 Energy Use During Operation of the Project	3.3-5
3.3-3 Construction-Related Energy Use for the Project With Building A Residential/Commercial	3.3-6
3.3-4 Energy Use During Operation of the Project with Building A Residential/Commercial	3.3-7
3.4-1 Comparison of Worldwide GHG Emissions	3.4-3
3.4-2 Estimated Annual GHG Emissions for Uses to be Removed	3.4-4
3.4-3 City of Pasadena Climate Action Plan Efficiency Thresholds	3.4-14
3.4-4 Estimated GHG Emissions from Construction of the Project	3.4-15
3.4-5 Estimated Annual Net GHG Emissions from Operation of the Project	3.4-16
3.4-6 GHG Efficiency Metric for the Project	3.4-16

3.4-7	Estimated GHG Emissions from Construction of the Project with Building A Residential/Commercial	3.4-17
3.4-8	Estimated Annual Net GHG Emissions from Operation of the Project with Building A Residential/Commercial	3.4-18
3.4-9	GHG Efficiency Metric for the Project with Building A Residential/Commercial	3.4-19
3.5-1	Summary of Existing Land Uses	3.5-1
3.5-2	Land Use History	3.5-2
3.6-1	Summary of Existing Land Uses	3.6-1
3.7-1	Short-Term Ambient Noise Measurements	3.7-4
3.7-2	City of Pasadena Guidelines for Noise Compatible Land Use	3.7-7
3.7-3	Construction Vibration Damage Criteria	3.7-10
3.7-4	Construction Noise Levels at Surrounding Receptors	3.7-12
3.7-5	Net Trip Generation for the Project	3.7-13
3.7-6	Net Street Segment Volumes with the Project (Year 2026)	3.7-14
3.7-7	Net Trip Generation for the Project with Building A Residential/Commercial	3.7-16
3.7-8	Vibration Levels for Construction Equipment	3.7-17
3.7-9	Vibration Levels and Building Damage at Surrounding Uses	3.7-18
3.8-1	Pasadena Fire Department Facilities Serving the Project Site	3.8-2
3.8-2	Pasadena Unified School District Facilities Serving the Project Site	3.8-4
3.8-3	City of Pasadena Parks and Recreation Facilities Serving the Project Site	3.8-5
3.9-1	Transit Facilities Hierarchy	3.9-2
3.9-2	Existing Transit Service in the Project Area	3.9-3
3.9-3	Bicycle Facilities Hierarchy	3.9-4
3.9-4	City of Pasadena CEQA Transportation Thresholds	3.9-7
3.9-5	Transportation Impact Analysis Summary for the Project	3.9-10
3.9-6	Transportation Impact Analysis Summary for the Project with Building A Residential/Commercial	3.9-10
3.11-1	Pasadena Water Supply Sources and Quantities (AFY)	3.11-2
3.11-2	PWP Imported Water Supplies (AFY)	3.11-2
3.11-3	Groundwater Volume Pumped (AFY)	3.11-4
3.11-4	Historic Project Site Water Demand	3.11-5
3.11-5	Existing Wastewater Generation	3.11-6
3.11-6	PWP's 2020 Water Demands	3.11-16
3.11-7	PWP Projected Water Demand (AF)	3.11-17
3.11-8	Project Water Demand	3.11-18
3.11-9	PWP Normal-Year Potable Water Supply and Demand Comparison (AFY)	3.11-19
3.11-10	PWP Single-Dry-Year Potable Water Supply and Demand Comparison (AFY)	3.11-21
3.11-11	PWP Multiple-Dry-Year Potable Water Supply and Demand Comparison (AFY)	3.11-22
3.11-12	Five-Year Drought Risk Assessment	3.11-22
3.11-13	Project with Building A with Residential/Commercial Water Demand	3.11-24
4-1	Summary of Alternatives	4-4
4-2	Alternative 2 Transportation Analysis Comparison	4-14
4-3	Alternative 3 Transportation Analysis Comparison	4-19
4-4	Alternative 3 Utility Comparison	4-20
4-5	Alternative 4 Transportation Analysis Comparison	4-24
4-6	Alternative 4 Utility Comparison	4-25
4-7	Comparison of Impacts for Project Alternatives	4-28
4-8	Ability of Project Alternatives to Meet Objectives	4-29

EXHIBITS

<u>Exhibit</u>	<u>Follows Page</u>
2-1	Regional Location and Local Vicinity.....2-1
2-2	Existing Project Site2-1
2-3	Aerial Photograph2-1
2-4	Project Site Plan.....2-7
2-5	First (Ground) Level Plan2-7
2-6	Level 2 Plan2-7
2-7	Level 3 Plan2-7
2-8	Level 4 Plan2-7
2-9	Level 5 Plan2-7
2-10	Level 6 Plan2-7
2-11	Level 7 Plan2-7
2-12	East and North Elevations.....2-9
2-13	West and South Elevations2-9
2-14	Cross Section (North-South)2-9
2-15	Affinity Project Shadow Study2-9
2-16a-e	Conceptual Landscape Plan2-11
2-17a-b	Conceptual Utility Plans2-12

APPENDICES

Appendix

A-1	Initial Study/Notice of Preparation
A-2	Scoping Period Comments
B	Air Quality and Greenhouse Gas Emissions Modeling Data
C-1	Historic Resources Assessment
C-2	Cultural Resources Records Search
C-3	Paleontological Resources Records Search
D	Energy Modeling Data
E	Phase I Environmental Site Assessment
F	Noise Modeling Data
G-1	Transportation Impact Analysis/CEQA Evaluation for Project
G-2	Transportation Impact Analysis/CEQA Evaluation for Project with Building A Residential/Commercial
H	Assembly Bill 52 Outreach Records
I	Water Supply Assessment

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EXECUTIVE SUMMARY

INTRODUCTION

The California Environmental Quality Act (CEQA) (Section 21000 et. seq. of the *California Public Resources Code*) requires that lead agencies consider the potential environmental consequences of projects over which they have discretionary approval authority prior to taking approval action on such projects. An Environmental Impact Report (EIR) is a public document designed to provide the City, trustee and responsible agencies, the general public, and other interested parties with an analysis of potential environmental consequences of a project and to support informed decision making by the Lead Agency. The City of Pasadena (City) is the Lead Agency under CEQA and is responsible for preparing the EIR. This determination is made in accordance with Sections 15051 and 15367 of the State CEQA Guidelines, which define the Lead Agency as the public agency that has the principal responsibility for carrying out or approving a project.

This EIR has been prepared to identify, analyze, and mitigate, to the extent feasible, the potential environmental effects associated with implementation of The Affinity Project (Project or Project with Building A Residential/Commercial). This EIR has been prepared pursuant to the requirements of CEQA and the Guidelines for the Implementation of CEQA (State CEQA Guidelines) (Title 14, *California Code of Regulations*, Chapter 3, Sections 15000 et. seq.).

This Executive Summary has been prepared in accordance with Section 15123(a)(b) of the State CEQA Guidelines, which states that an EIR should contain a brief summary of the proposed actions and its consequences and should identify (1) each significant effect with proposed mitigation measures and alternatives that would reduce or avoid that effect; (2) areas of controversy known to the Lead Agency; and (3) issues to be resolved, including the choice among alternatives and whether or how to mitigate significant effects.

PROJECT LOCATION AND SETTING

The City of Pasadena (City) is situated along the western edge of the San Gabriel Valley and at the foothills of the San Gabriel Mountains. The Project site is in the southwestern quadrant of the City and to the southeast of the State Route (SR)-110 and Interstate-210 (I-210) intersection.

The Project site encompasses approximately 3.3 acres (144,853 square feet [sf]) located between 465 and 577 South Arroyo Parkway, City of Pasadena, Los Angeles County. The site is bound by East Bellevue Drive on the north, South Arroyo Parkway on the east, East California Boulevard on the south, and the Metro Gold (L) Line on the west.

The Project site consists of five parcels developed with a total of nine commercial buildings with seven businesses. All existing buildings on the site are one or two stories with heights ranging between 17 feet and 63 feet. All existing land uses have surface parking except for the Whole Foods Market, which has a 275-space subterranean parking structure for its sole use. Table 2-1, Summary of Existing Land Uses, summarizing the existing on-site land uses; and Exhibit 2-2, Existing Project Site, illustrating the addresses and locations of the nine existing buildings and other on-site land uses, is provided in Section 2.0, Project Description, of this EIR.

The Project area is an urban environment, and the site and surrounding area are fully built out with a broad mix of land uses. These land uses also represent a variety of ages, architectural styles, heights, and conditions. Exhibit 2-3, Aerial Photograph, depicting the site and existing land use types in the surrounding area is provided in Section 2.0, Project Description, of this EIR.

Commercial land uses are primarily located to the north, including retail, services, and restaurants. Other land uses to the north include medical offices; Pasadena Humane Society, located approximately 0.1-mile to the northwest; Central Park, located approximately 0.2-mile northwest of the site; and single- and multi-family residential land uses located, at the nearest, approximately 0.2-mile to the north on Del Mar Boulevard and approximately 0.1-mile to the north-northeast on Bellevue Drive. Commercial land uses are located opposite the Project site on Arroyo Parkway. Single- and multi-family residential land uses are situated less than 0.1-mile to the east along Marengo Avenue and Arroyo Parkway. Land uses to the south include a mix of commercial, medical office, and single- and multi-family residential land uses; the latter is located along Marengo Avenue and California Boulevard to the southeast. To the west, there is a mix of commercial and non-profit (i.e., npr/KPCC and Union Station Homeless Services) uses. Further from the site, land uses include a mix of commercial, medical, light industrial, single- and multi-family residential, and public (e.g., schools, churches, parks).

Regional access to the site is provided by SR-110 located approximately 0.6-mile due south on Arroyo Parkway. Local access is provided by adjacent surface streets and Metro's Del Mar Station located approximately 0.2-mile to the north. Exhibit 2-1, Regional Location and Local Vicinity, illustrates the Project site location and is provided in Section 2.0, Project Description, of this EIR.

PROJECT DESCRIPTION

The Applicant requests approval to rezone the Project site from CD-6 to a Planned Development (PD) zone, and approval of a PD Plan. The Project involves demolition of 6 (of the 9) existing buildings totaling 45,912 sf, located at 491, 495, 499, 503, 541, and 577 South Arroyo Parkway, and construction of 2 new buildings, as identified below:

- Building A: a 154,000-sf, 7-story (aboveground) medical office building with ground-floor commercial uses;
- Building B: a 184,376-sf, 7-story (aboveground) assisted living building with 85,800 sf of assisted living uses and 98,576 sf of independent living uses including up to 95 studio, one-, and two-bedroom senior housing units; and
- Up to 850 parking spaces in 5 subterranean levels.

Alternatively, the proposed PD Plan would provide the flexibility to exchange the uses in Building A from medical office and ground floor commercial for the following:

- 3,000 sf of commercial and a sales/leasing management office on the ground floor;
- Up to 197 residential dwelling units; and
- Up to 650 parking spaces in 4 subterranean levels (1 less parking level than the Project as proposed).

Although the Project described is anticipated to reflect the Project to be constructed, the flexibility to exchange the uses in Building A would enable the Project to respond to the economic needs and demands of the City at the time of Project implementation. The proposed site layout and the aboveground height, mass, and other parameters of the Building A design would remain the same. The PD Plan would define all aspects of site design and provide caps on the types and amounts of allowable land uses, regardless of whether Building A is developed with medical office or residential dwelling units. It is noted that based on the development cap of 87 dwelling units per acre (du/acre), a total of 289 units could be constructed. Therefore, if a total of 197 units were constructed in Building A, only 92 senior housing units (i.e., 3 fewer units than the Project as proposed) could be constructed in Building B. Conversely, if 95 senior housing (i.e., independent living) units were constructed in Building B, only 194 units could be constructed in Building A.

Throughout the CEQA documentation, these two development scenarios will be referred to as:

- Project (development of Building A with medical office/commercial), and
- Project with Building A Residential/Commercial (development of Building A with residential/commercial).

A total of 5 levels of subterranean parking spanning both proposed buildings with up to 850 parking spaces would be constructed to serve the new development as well as the existing structures at 501 and 523 South Arroyo Parkway under the Project scenario. When including the new subterranean parking, the Project would consist of approximately 753,439 sf of new construction. For the Project with Building A Residential/Commercial, a total of 4 levels of subterranean parking spanning both proposed buildings with up to 650 parking spaces would be constructed to serve the new development as well as the existing structures at 501 and 523 South Arroyo Parkway.

Approximately 79,553 sf of the existing development would be retained and integrated into the Project, including the Whole Foods Market and associated 275-space subterranean parking structure at 465 South Arroyo Parkway, and the 2 historic structures at 501 and 523 South Arroyo Parkway. The Applicant anticipates that restaurant uses would occupy the approximately 5,882 sf of space in the existing buildings to be retained at 501 and 523 South Arroyo Parkway. In retaining these structures, the Applicant is also requesting a zoning variance for historic resources related to building height. Specifically, the Applicant is requesting an increase in allowable building height of the two new buildings to offset the reduction in developable area due to preserving the two historic structures (i.e., 501 and 523 South Arroyo Parkway) on the Project site. Exhibit 2-4, Project Site Plan, provided in Section 2.0, Project Description, of this EIR, depicts a schematic overview of the Project design.

PROJECT ALTERNATIVES

Section 15126.6 of the State CEQA Guidelines requires an evaluation of the comparative effects of a reasonable range of alternatives to the proposed Project that would feasibly attain most of the proposed Project objectives and would avoid or substantially lessen any of the significant impacts of the proposed Project. A feasible alternative is one that can be accomplished successfully in a reasonable period of time, taking economic, legal, social, and technological factors into consideration. The range of alternatives is governed by the “rule of reason” that requires the EIR to set forth only those alternatives necessary to permit a reasonable choice.

In accordance with Section 15126.6 of the State CEQA Guidelines, Section 4.0, Alternatives, of this EIR addresses alternatives to the proposed Project. Section 4.0 provides a description of each alternative; a comparative analysis of the potential environmental effects of each alternative to those associated with the proposed Project; a discussion of each alternative’s ability to meet the Project objectives; and a discussion of the environmentally superior alternative. For complete description of all Project alternatives analyzed in this EIR, refer to Section 4.0. The following is a summary description of the alternatives evaluated in this EIR:

- **Alternative 1 – No Project/No Development.** This alternative addresses one of the two types of “No Project” alternatives identified by CEQA. Under the No Project/No Development Alternative, the existing environmental setting would remain unchanged. The City would not rezone the Project site from CD-6 (Central District Specific Plan [CDSP], Arroyo Corridor/Fair Oaks subdistrict), to a Planned Development (PD) zone, approve the PD Plan, nor would the City approve the Project or Project with Building A Residential/Commercial. This Alternative assumes the Project site would continue to remain in its existing state without demolition of any existing structures and site

improvements, and the continued use and operation of the existing land uses present at the time the NOP was distributed in August 2021.

- **Alternative 2 – Project Development with Existing Zoning.** Alternative 2 assumes the site is developed with the same land uses as the Project or Project with Building A Residential/Commercial but with application of existing zoning (i.e., no PD Plan). Alternative 2 would result in demolition of 6 (of the 9) existing buildings totaling 45,912 sf, same as the Project, and a total of 217,280 sf of aboveground development—including the 79,553 sf of existing development to be retained. As such, this alternative would result in construction of 2 new buildings with 137,727 sf of new development, a total of 387 parking spaces in 3 subterranean levels, and a maximum height of 50 feet or 65 feet with height averaging. Alternative 2 with Building A Residential/Commercial could result in up to 108 residential dwelling units and 3,000 sf of commercial, with up to 282 parking spaces in 2 subterranean levels.
- **Alternative 3 – All Residential Project with Variance for Historic Resources.** Alternative 3 assumes the demolition of 6 (of the 9) existing buildings totaling 45,912 sf, and a total of 417,929 sf of aboveground development – including the 79,553 sf of existing development to be retained, same as the Project. However, Alternative 3 assumes the new buildings would include up to 289 market-rate residential units (i.e., apartments and/or condominiums), except for ground-floor commercial in Building A, and a total of 607 parking spaces in 4 subterranean levels.
- **Alternative 4 – All Medical Office Project with Variance for Historic Resources.** Alternative 4 assumes the demolition of 6 (of the 9) existing buildings totaling 45,912 sf, and a total of 417,929 sf of aboveground development – including the 79,553 sf of existing development to be retained, same as the Project. However, Alternative 4 assumes the new buildings would include solely medical office uses except for ground-floor commercial in Building A, and a total of 1,218 parking spaces in 7 subterranean levels.

ISSUES TO BE RESOLVED

Section 15123(b)(3) of the State CEQA Guidelines requires that an EIR contain a discussion of issues to be resolved, including the choice among alternatives and whether or how to mitigate significant impacts. With respect to the proposed Project or Project with Building A Residential/Commercial, the key issues to be resolved include decisions by the City of Pasadena, as Lead Agency, pertaining to:

- Whether this environmental document adequately describes the potential environmental impacts of the proposed Project;
- Whether the recommended mitigation measures and the design of the Project should be modified and/or adopted as proposed;
- Whether the Project benefits override those environmental impacts that cannot be feasibly avoided or mitigated to a less than significant level;
- Whether there are other mitigation measures that should be applied to the Project besides those identified in the EIR; and
- Whether there are any alternatives to the proposed Project that would substantially lessen any of its significant impacts while achieving most of the basic Project objectives.

AREAS OF CONTROVERSY

Section 15123(b)(2) of the State CEQA Guidelines indicates that an EIR summary should identify areas of controversy known to the Lead Agency, including issues raised by the public agencies

and the public. This EIR has taken into consideration the written comments received from the public and various agencies in response to the IS and Notice of Preparation (NOP) distributed on August 3, 2021 (for a 30-day public review period from August 5, 2021 through September 3, 2021), and comments received during the two public virtual scoping meetings held on August 11, 2021, and August 26, 2021 via Zoom. A copy of the NOP comments received are provided in Appendix A-2 of this EIR. A summary of issues raised in response to the NOP, and where in the EIR they are discussed, is presented in Table 1-1 in Section 1.0, Introduction, of this EIR.

The primary environmental areas of controversy known to the City of Pasadena that have been raised to date related to implementation of the proposed Project include biological (tree removal), land use (context and scale of development), transportation (traffic generation and traffic safety), and water supply.

SUMMARY OF SIGNIFICANT ENVIRONMENTAL IMPACTS

Pursuant to Sections 15126.2 and 15126.4 of the State CEQA Guidelines, a Draft EIR is required to identify any potentially significant adverse impacts and recommend mitigation measures that would eliminate or reduce these impacts to levels of less than significant.

At the onset of the CEQA process, the City determined that an EIR is required for the proposed Project and prepared an IS in accordance with State CEQA Guidelines Sections 15063. The City determined there would be no impacts or less than significant impacts to the following environmental topics and/or thresholds (refer to the IS/NOP in Appendix A-1). Therefore, in accordance with Section 15128 of the State CEQA Guidelines, these are identified as topical areas that would not receive further evaluation in this EIR:

- Aesthetics
- Agricultural and Forestry Resources
- Biological Resources
- Geology and Soils
- Hydrology and Water Quality
- Mineral Resources
- Population and Housing
- Wildfire

Based on the results of the IS and comments received in response to the NOP, the City determined implementation of the proposed Project and/or Project with Building A Residential/Commercial has the potential to impact the following environmental topics, which are further addressed in this Draft EIR:

- Air Quality
- Cultural and Paleontological Resources
- Energy
- Greenhouse Gas Emissions
- Hazards and Hazardous Materials
- Land Use and Planning
- Noise
- Public Services and Recreation
- Transportation
- Tribal Cultural Resources
- Utilities and Service Systems

If the City of Pasadena, as Lead Agency, determines that unavoidable significant adverse impacts would result from the proposed Project, a Statement of Overriding Considerations must be prepared and adopted before it can approve the proposed Project. A Statement of Overriding Considerations states that the decision-making body has weighed the physical, social, and economic benefits of the Project against its unavoidable significant environmental effects and has determined that the benefits of the Project outweigh its adverse effects; therefore, the adverse effects are considered acceptable.

Although the level of significance after mitigation (if any) may be the same for each threshold and/or environmental topic, the degree or severity of impact may be slightly different under each alternative. The potentially significant adverse environmental impacts of the Project and Project with Building A Residential/Commercial, which require mitigation, include:

- **Cultural Resources** (historic resources [501 and 523 South Arroyo Parkway] and unknown archaeological resources),
- **Noise** (potential for vibration-related cosmetic building damage to Whole Foods Market and 501 and 523 South Arroyo Parkway), and
- **Tribal Cultural Resources** (unknown tribal cultural resources).

Table ES-1, Summary of Project Impacts, Mitigation, and Level of Significance after Mitigation, beginning on the following page, presents a summary of significant environmental impacts identified in Sections 3.1 through 3.11 of this EIR; Mitigation Measures (MMs) that reduce identified significant impacts; and the level of significance of each impact after mitigation. Significant irreversible environmental changes and growth-inducing impacts are addressed in Section 5.0, Other CEQA Considerations.

**TABLE ES-1
SUMMARY OF PROJECT IMPACTS, MITIGATION,
AND LEVEL OF SIGNIFICANCE AFTER MITIGATION**

Summary of Project Impacts	Mitigation Measures	Level of Significance After Mitigation
Section 3.2 – Cultural Resources		
<p>Tenant improvement plans for 501 and 523 South Arroyo Parkway do not anticipate demolishing, moving, or making major alterations to these historic resources, which would both be preserved in place. However, as tenant improvement plans remain conceptual and have not yet been finalized, there may be a potential for impact.</p>	<p>MM CUL-1. To the satisfaction of the City, the Project Applicant shall engage with a licensed architect and/or engineer that meets the Secretary of the Interior's Professional Qualifications Standards for historic architect to develop a series of protection interventions and protocols that will preserve the two historical resources on the Project site – 501 and 523 South Arroyo Parkway – during all construction activities in, on, and near these two buildings. These measures shall take into consideration the protection of and security of both resources, particularly the preservation of the character-defining features through the installation of physical protective barriers around each resource and the creation of site protocols that will eliminate the potential for physical damage resulting from impacts with construction and transport equipment.</p> <p>To ensure the protection of these resources and their character-defining features, all protective barriers (which shall be installed prior to the initiation of any construction activity) and protocols shall be compliant with the Secretary of the Interior's Standards for Rehabilitation and Guidelines for Rehabilitating Historic Buildings (Weeks and Grimmer 1995) (Standards) and be subject to review and approval by the City planning staff.</p> <p>Site protocols for protecting the historical resources shall outline issues related to site access and navigation by contractors and construction personnel to reduce the potential for any inadvertent accidents between equipment and the two on-site historical resources. Additionally, a series of emergency measures shall be developed that outlined specific step-by-step processes in the event that an accident involves one of the historical resources. This will likely include the following:</p> <ul style="list-style-type: none"> Stop-work protocols after an accident involving a historical resource occurs, (1) Notification procedures and identification key contacts, (2) Identification of qualified historic preservation professionals to investigate the historical resources following the determination that the area is safe, (3) Thorough conditions assessment of the resource by the qualified consultant to ascertain the level and extent of the damage, and 	<p>Less than significant</p>

**TABLE ES-1
SUMMARY OF PROJECT IMPACTS, MITIGATION,
AND LEVEL OF SIGNIFICANCE AFTER MITIGATION**

Summary of Project Impacts	Mitigation Measures	Level of Significance After Mitigation
	<p>(4) Preparation of a historical resource treatment plan to stabilize the historical resource and address the damage, which will be submitted to City staff for review and approval prior to completing the work and resumption of construction activities.</p> <p>Additionally, protocols shall include regular on-site monitoring during construction activities by historic preservation consultant, either a SOI Qualified historic architect or architectural historian. The historic preservation consultant shall document the existing conditions of each resource prior to the initiation of any construction activity and prior to installation of the protective barriers and implementation of the protection protocols. This documentation phase will include high resolution digital photographs of each facade, as well as details of character-defining features for each resource. During construction, the historic preservation consultant shall prepare field report memoranda to the City confirming that the Standards compliant protection barriers are installed in accordance with the Standards, and that agreed upon protocols are being followed throughout the course of the Project. These memoranda will be submitted to City staff for their records and review. A final report outlining the conditions of the historical resources prior, during, and following the Project's construction shall be issued to the City for approval following construction activities and prior to the issuance of a Certificate of Occupancy.</p>	
<p>There are no known archaeological resources on the Project site. However, based on the results on the cultural resources records searches conducted for the Project site and vicinity (Appendices C-2), unknown archaeological resources have potential to be present in native sediments beneath the Project site.</p>	<p>MM CUL-2. If cultural resources are discovered during construction of land development projects in Pasadena that may be eligible for listing in the California Register for Historic Resources, all ground disturbing activities in the immediate vicinity of the find shall be halted until the find is evaluated by a Registered Professional Archaeologist. If testing determines that significance criteria are met, then the project shall be required to perform data recovery, professional identification, radiocarbon dates as applicable, and other special studies; and provide a comprehensive final report including site record to the City and the South-Central Coastal Information Center at California State University Fullerton. No further grading shall occur in the area of the discovery until Planning Department approves the report..</p>	<p>Less than significant</p>

**TABLE ES-1
SUMMARY OF PROJECT IMPACTS, MITIGATION,
AND LEVEL OF SIGNIFICANCE AFTER MITIGATION**

Summary of Project Impacts	Mitigation Measures	Level of Significance After Mitigation
Section 3.7 – Noise		
<p>The Whole Foods Market building and the structures at 501 and 523 South Arroyo Parkway may experience vibration levels during operation of a certain equipment that could cause cosmetic damage.</p>	<p>MM NOI-1. The potential for vibration-induced cosmetic (i.e., not structural) damage to the structures at 465, 501, and 523 South Arroyo Parkway shall be reduced by implementing the following three steps: (1) setbacks, (2) monitoring, and (3) restoration (if applicable).</p> <p>(1) The Project Applicant shall be responsible for ensuring the construction specifications include the following language: "Construction equipment shall observe setback distances of 30 feet from any of the three on-site buildings being retained (Whole Foods Market and 501 and 523 South Arroyo Parkway) for equipment equivalent to a large bulldozer (29,000 pounds or more) and 20 feet for jackhammers and loaded trucks. Small dozers and other equipment with vehicle weights of less (29,000 pounds) are not anticipated to result in substantial levels of vibration that could cause building damage".</p> <p>(2) The Project Applicant shall be responsible for placing a vibration monitor in each of the three on-site buildings to remain on the site. The contractor would need to have vibration measurements taken on the site when heavy equipment or vibration intensive activities occurs near (i.e., less than 30 feet horizontal distance) to these three buildings. Vibration measurements will be recorded and compared to the vibration thresholds appropriate for the building that may be impacted. Vibration records shall be submitted to the City once a week. The appropriate vibration thresholds are as follows: 0.12 peak particle velocity (PPV) for 501 and 523 South Arroyo Parkway and 0.30 PPV for Whole Foods Market. The Applicant shall be responsible for preparing a Monitoring Plan, describing the proposed location of vibration monitors, the timing of monitoring, collecting vibration records (including date, time, activity that precipitated the monitoring, and who recorded the vibration level), to whom and when the monitoring records will be submitted, and any remedial actions needed because of vibration readings. The Monitoring Plan is subject to review and approval by City staff and will be submitted prior to initiation of any construction activity on the site.</p> <p>If vibration levels are below these thresholds, it is permissible to have construction activity with large (over 29,000 pounds) equipment, jackhammers, and/or loaded trucks within the setback distances included in item 1 above. Additionally, vibration monitoring shall guide construction activity near the perimeter of these buildings during subterranean excavation and construction activity. If vibration levels are found to exceed the applicable threshold, then the associated construction activity</p>	<p>Less than significant</p>

**TABLE ES-1
SUMMARY OF PROJECT IMPACTS, MITIGATION,
AND LEVEL OF SIGNIFICANCE AFTER MITIGATION**

Summary of Project Impacts	Mitigation Measures	Level of Significance After Mitigation
	<p>shall immediately halt, and alternative methods for achieving the construction activity shall be determined and employed to reduce the construction-generated vibration exposure to the building(s) to less than the thresholds. While the specific alternative methods to be employed cannot be foreseen, as it would be depending on situation-specific factors, the performance objective of maintaining activity that results in vibration below the applicable thresholds shall guide all decisions.</p> <p>(3) If cosmetic damage does occur to one or more of these three buildings because of vibration from Project-related construction activities despite setbacks and monitoring, the Project Applicant shall be responsible for restoring the damage. Cosmetic damage includes things like, for example, cracks in paint/plaster, fallen plaster/stucco from a facade, and cracked glass. Specifically, any restorations to Whole Foods Market shall be implemented to return the damaged area to the same condition (e.g., materials, colors, style) as present at the start of construction. Any restorations to the buildings at 501 and 523 South Arroyo Parkway shall conform to the Secretary of the Interior's Standards for the Rehabilitation and Guidelines for Rehabilitating Historic Buildings (Weeks and Grimmer 1995) (Standards), and the determination of whether the planned restorations is consistent with the Standards shall be made by a qualified historic preservation professional meeting the Secretary of the Interior's Professional Qualifications Standards for architectural history or historic architecture (Professional) and to the satisfaction of the City. The restorations to the historic buildings, if necessary, may be either to the conditions present before construction was initiated or, if the planned updates to these buildings are underway may be conducted to meet proposal conditions.</p> <p>The City of Pasadena Planning & Community Development Department shall be responsible for ensuring these requirements are included in the construction specifications prior to any demolition activity on the site. The Project Applicant and the City's inspector assigned to the Project shall also be responsible for ensuring these measures are consistently implemented throughout the construction period.</p>	

**TABLE ES-1
SUMMARY OF PROJECT IMPACTS, MITIGATION,
AND LEVEL OF SIGNIFICANCE AFTER MITIGATION**

Summary of Project Impacts	Mitigation Measures	Level of Significance After Mitigation
Section 3.10 – Tribal Cultural Resources		
<p>Based on consultation with the Gabrieliño Tongva Tribe and Gabrieliño Band of Mission Indians – Kizh Nation pursuant with AB 52, there are no known tribal cultural resources on the Project site. However, there is always the possibility that undiscovered intact cultural resources, including tribal cultural resources, may be present below the surface in native (i.e., undisturbed) sediments.</p>	<p>MM TCR-1. Prior to the commencement of any ground disturbing activity at the Project site, the Project Applicant shall accommodate a Native American Monitor (Monitor) culturally affiliated with the site as recognized by the Native American Heritage Commission (NAHC). The Monitor contracted and retained shall be at the expense of the tribe(s) that consulted on this Project. The Tribal Monitor will only be present on-site during the construction phases that involve ground-disturbing activities. Ground disturbing activities are defined by the Tribe as activities that may include, but are not limited to pavement removal, potholing or auguring, grubbing, tree removals, boring, grading, excavation, drilling, and trenching within the Project area. The Tribal Monitor will complete daily monitoring logs that will provide descriptions of the day's activities, including construction activities, locations, soil, and any cultural materials identified.</p> <p>The on-site monitoring shall end when all ground-disturbing activities on the Project site are completed, or when the Tribal Representatives and Tribal Monitor have indicated that all upcoming ground-disturbing activities at the Project Site have little to no potential for impacting Tribal Cultural Resources.</p> <p>Upon discovery of any Tribal Cultural Resources, construction activities shall cease in the immediate vicinity of the find (not less than the surrounding 50 feet) until the find can be assessed. All Tribal Cultural Resources unearthed by Project construction activities shall be evaluated by the Tribal Monitor approved by the Consulting Tribe and a qualified Archaeologist (if one is present).</p> <p>If the resources are Native American in origin, the Consulting Tribe will retain it/them in the form and/or manner the Tribe deems appropriate, for educational, cultural and/or historic purposes. If human remains and/or grave goods are discovered or recognized at the Project Site, all ground disturbance in the immediate vicinity of the find shall be halted, and the County Coroner shall be notified per Section 5097.98 of the Public Resources Code and Section 7050.5 of the Health & Safety Code. Human remains and grave/burial goods shall be treated alike per Section 5097.98(d)(1) and (2) of the Public Resources Code. Work may continue in other parts of the Project site while evaluation and, if necessary, mitigation takes place (Section 15064.5[f] of the State CEQA Guidelines). Preservation in place (i.e., avoidance) is the preferred manner of treatment. If preservation in place is not feasible, treatment may include implementation of archaeological data recovery excavations to remove the resource along with</p>	Less than significant

**TABLE ES-1
SUMMARY OF PROJECT IMPACTS, MITIGATION,
AND LEVEL OF SIGNIFICANCE AFTER MITIGATION**

Summary of Project Impacts	Mitigation Measures	Level of Significance After Mitigation
	subsequent laboratory processing and analysis. Any historic archaeological material that is not Native American in origin (non-Tribal Cultural Resource) shall be curated at a public, non-profit institution with a research interest in the materials, such as the Natural History Museum of Los Angeles County or the Fowler Museum, if such an institution agrees to accept the material. If no institution accepts the archaeological material, it shall be donated to a local school or historical society in the area for educational purposes.	

SECTION 1.0 INTRODUCTION

1.1 PURPOSE OF THE EIR

1.1.1 REGULATORY FRAMEWORK

The California Environmental Quality Act (CEQA) (Section 21002.1 of the California Public Resources Code [PRC]) states that “the purpose of an environmental impact report (EIR) is to identify the significant effects on the environment of a project, to identify alternatives to the project, and to indicate the manner in which those significant effects can be mitigated or avoided”. This EIR has been prepared in accordance with CEQA (Section 21000 et. seq. of the PRC) and the State CEQA Guidelines (Section 15000 et. seq. of Title 14, *California Code of Regulations* [CCR]).

An EIR is the most comprehensive form of environmental documentation identified in CEQA and the State CEQA Guidelines. EIRs are intended to provide an objective, factually supported analysis of the environmental consequences associated with a project that has the potential to result in significant, adverse environmental impacts, including after implementation of mitigation measures (MMs). In accordance with Section 15121(a) of the State CEQA Guidelines, this Draft EIR is an informational document that will inform public agency, decision makers, and the general public of (1) the significant environmental effects of the proposed Affinity Project (Project or Project with Building A Residential/Commercial); (2) possible ways to minimize the significant effects; and (3) reasonable alternatives to the Project and the Project with Building A Residential/Commercial.

1.1.2 LEAD AGENCY

Section 15051 of the State CEQA Guidelines identifies the Lead Agency as the public entity with the greatest responsibility for carrying out or approving the Project as a whole. The City has the primary authority to approve and adopt and subsequently implement the Affinity Project or the Project with Building A Residential/Commercial. As such, the City of Pasadena (City) is serving as the Lead Agency under CEQA and is responsible for preparing this EIR.

While this EIR has been prepared with consultant support, City staff have reviewed all submitted drafts, technical studies, and consistency with City regulations and policies and has commissioned the preparation of this EIR to reflect its own independent judgment, consistent with Section 15084 of the State CEQA Guidelines.

1.1.3 INCORPORATION BY REFERENCE

As permitted by Section 15150 of the State CEQA Guidelines, this Draft EIR has referenced several technical studies, analyses, and reports. Information from the documents, which have been incorporated by reference into this Draft EIR, has been briefly summarized in the appropriate sections and the relationship between the incorporated part of the referenced document and the EIR has been described. In addition, documents and other sources that have been used in the preparation of this EIR are identified at the end of each section of this Draft EIR. In accordance with Section 15150(b) of the State CEQA Guidelines, the locations where the public may obtain and review these referenced documents and other sources used in the preparation of the Draft EIR are also identified.

1.2 **EIR FOCUS**

1.2.1 **SCOPING PROCESS**

An Initial Study/Notice of Preparation (IS/NOP) was distributed on August 3, 2021, to applicable federal, State, regional, and local government agencies and interested parties for a 30-day public review period (August 5, 2021 through September 3, 2021) to solicit comments and to inform agencies and the public of the Project and the upcoming preparation of an EIR. The IS/NOP included a description of the proposed Project; potential environmental effects associated with Project implementation; and an invitation to agencies and the public to review and comment on the IS/NOP. A copy of the IS/NOP is provided in Appendix A-1 of this EIR. The City held two virtual scoping meetings for the Project:

Scoping Meeting No. 1
(Planning Commission)
August 11, 2021
6:30 PM

Scoping Meeting No. 2
August 26, 2021
6:30 PM

The purpose of the scoping meetings was to receive input on the environmental issues that should be addressed in the EIR. Comments received during the scoping period were received from 5 agencies, 10 organizations, and 21 individuals. Written comments are provided in Appendix A-2 of this EIR. Verbal comments received during the two scoping meetings are summarized below.

The issues raised by the comment letters and scoping meeting comments are summarized in Table 1-1, Summary of Comments on the IS/NOP, along with the primary EIR section(s) where each issue is addressed. It should be noted that the Draft EIR addresses all topical issues carried forward from the Initial Study consistent with the current environmental checklist questions in Appendix G of the State CEQA Guidelines, and current CEQA and State CEQA Guidelines requirements. NOP comments related to Project design preferences or other issues that are not environmentally related are not addressed in CEQA documentation; however, they are part of the Project record and will be seen by the decision-making body as part of their consideration of the Project and Project with Building A Residential/Commercial.

**TABLE 1-1
SUMMARY OF COMMENTS RECEIVED DURING SCOPING PERIOD**

Commentor	Comments/Issues Raised	Where Discussed
Agencies		
California Department of Transportation	Information on transportation impacts on the State highway system; heavy and oversized vehicles on State highways	Section 3.9, Transportation, summarizes the SB 743-compliant transportation analysis conducted for the Project and Project with Building A Residential/Commercial
Los Angeles County Metropolitan Transportation Authority (Metro)	Adjacency of Metro L (Gold) Line and measures to reduce potential impacts, transit-supportive planning, Metro Adjacent Development Handbook	Comments related to development adjacent to Metro's right-of-way along the L Line, and opportunities to facilitate use of nearby transit facilities are acknowledged. Section 3.9, Transportation, summarizes the SB 743-compliant transportation analysis conducted for the Project and Project with Building A Residential/ Commercial. Metro is identified as a Responsible Agency in Section 2.0 because of adjacency of light rail line
Los Angeles County Sanitation Districts	Wastewater generation and conveyance, wastewater generation estimate (Project only), connection fees, Air Quality Management Plan (AQMP) conformance	AQMP conformance is addressed in Section 3.1, Air Quality; wastewater generation, conveyance, and treatment is addressed in Section 3.11, Utilities and Service Systems

**TABLE 1-1
SUMMARY OF COMMENTS RECEIVED DURING SCOPING PERIOD**

Commentor	Comments/Issues Raised	Where Discussed
Native American Heritage Commission	Native American tribal consultation under AB 52 and SB 18; cultural resource assessment recommendations	AB 52 consultation was completed by the City. Because the Project would not involve the adoption of a Specific Plan or amendment of the General Plan, consultation under Senate Bill 18 is not required. Section 3.10, Tribal Cultural Resources, addresses potential impacts on tribal cultural resources and human remains based on the conduct of a Phase I Cultural Resource Assessment and Native American consultation
South Coast Air Quality Management District (SCAQMD)	Guidelines for air quality analysis, permits, mitigation measures, and data sources	Section 3.1, Air Quality, summarizes the air quality analysis conducted for the Project and Project with Building A Residential/ Commercial. SCAQMD is identified as a Responsible Agency in Section 2.0 because of proposed diesel backup generators
Organizations		
Advocacy No. 1 (Done, Feldmann, Marchioni, Old Pasadena Management District /Mulheim, Chamber of Commerce and Civic Association of Pasadena/Little, Schillaci, Smith, Worrell)	Support for the Project	Comment acknowledged
Advocacy No. 2 (Ficarra)	Support for the Project	Comment acknowledged
Livable Pasadena (Letter No. 1)	Land use pattern, proposed medical corridor, water supply, setbacks/project design, noise, lighting, traffic congestion, traffic safety, Prism traffic study, existing traffic level of service (LOS), Magnolia Landmark District comment support, proposed Planned Development moratorium support, General Plan/Mobility Element inconsistency	Land use issues are addressed in Section 3.6, Land Use and Planning; noise issues are addressed in Section 3.7, Noise; and transportation issues are addressed in Section 3.9, Transportation
Livable Pasadena (Letter No. 2)	Project description instability/inadequacy and EIR inappropriateness, water supply, proposed density, heat index and related health impacts, energy usage	CEQA project description standards and heat island/heat index are addressed in Section 2.0, Environmental Setting and Project Description; water supply issues are addressed in Section 3.11, Utilities and Service Systems; land use issues are addressed in Section 3.6, Land Use and Planning; energy usage is addressed in Section 3.3, Energy
Livable Pasadena (Prism)	Mobility Element inconsistency, traffic congestion/LOS affects, traffic safety, vehicle miles traveled (VMT) impact	Land use issues are addressed in Section 3.6, Land Use and Planning; and transportation issues are addressed in Section 3.9, Transportation
Madison Heights Neighborhood Association	Tree removal, number of parking spaces, traffic, loss of mountain views, limited walkability, minimal green space, community outreach deficiency, cumulative impacts, historic neighborhood and single-family neighborhood impacts, water supply	Tree removals were addressed under Threshold 2.4(e) in Section 2.4, Biological Resources, of the Initial Study (Appendix A-1); aesthetic issues were addressed in Section 2.1, Aesthetics, of the Initial Study; transportation issues are addressed in Section 3.9, Transportation; proposed landscaping (i.e., green space) is detailed in Section 2.4.1 in Section 2.0, Environmental Setting and Project Description; details of the City's noticing process consistent with CEQA requirements is addressed in this section (Section 1.0); the approach to the cumulative impact analysis is presented in Section 2.5 and the cumulative impact analysis is presented in Section 3.X.6 of each topical section in the EIR; historic resources issues are addressed in Section 3.2, Cultural and Paleontological Resources; off-site impacts, where relevant, are addressed in Sections 3.1 through 3.11; and water supply issues are

**TABLE 1-1
SUMMARY OF COMMENTS RECEIVED DURING SCOPING PERIOD**

Commentor	Comments/Issues Raised	Where Discussed
		addressed in Section 3.11, Utilities and Service Systems
Magnolia Avenue Landmark District	General Plan/Mobility Element inconsistency, location near historic/single-family neighborhood, proposed near Huntington Hospital, Marengo/California intersection safety issues, overabundance of nursing/assisted living facilities in City, proposed Planned Development moratorium support, public outreach, building heights, inadequate green space, inadequate infrastructure	Land use issues are addressed in Section 3.6, Land Use and Planning; transportation issues are addressed in Section 3.9, Transportation; historic resources issues are addressed in Section 3.2, Cultural and Paleontological Resources; off-site impacts, where relevant, are addressed in Sections 3.1 through 3.11; details of the City's noticing process consistent with CEQA requirements is addressed in this section (Section 1.0); proposed landscaping (i.e., green space) is detailed in Section 2.4.1 in Section 2.0, Environmental Setting and Project Description; infrastructure issues are addressed in Section 3.11, Utilities and Service Systems
Pasadena Beautiful Foundation (Chuck Livingstone)	Historic resources nearby; traffic; water supply; design compatibility with trees and gardens	Historic resources issues are addressed in Section 3.2, Cultural and Paleontological Resources; transportation issues are addressed in Section 3.9, Transportation; water supply issues are addressed in Section 3.11, Utilities and Service Systems; aesthetic issues were addressed in Section 2.1, Aesthetics, of the Initial Study; land use issues are addressed in Section 3.6, Land Use and Planning
Protect Pasadena Trees	New specific plan policies on tree planting and protection on public and private property, stronger tree protection/urban forestry views, setbacks, heat islands	Land use issues are addressed in Section 3.6, Land Use and Planning; tree removals were addressed under Threshold 2.4(e) in Section 2.4, Biological Resources, of the Initial Study (Appendix A-1); heat island/heat index are addressed in Section 2.0, Environmental Setting and Project Description
West Pasadena Residents' Association	Project description instability, water supply, traffic circulation, EIR premature	CEQA project description standards are addressed in Section 2.0, Environmental Setting and Project Description; water supply issues are addressed in Section 3.11, Utilities and Service Systems; transportation issues are addressed in Section 3.9, Transportation
Individuals		
Natalie Bazarevitsch	Support for the Project	Comment acknowledged
Nina Chomsky	Project description instability, historic resources analysis, historic buildings not historic enough to allow variance, Project design (height/massing), EIR should include aesthetics section or historic resources analysis and land use and planning section that addresses issues covered under aesthetics topic	CEQA project description standards are addressed in Section 2.0, Environmental Setting and Project Description; aesthetic issues were addressed in Section 2.1, Aesthetics, of the Initial Study (Appendix A-1); historic resources issues are addressed in Section 3.2, Cultural and Paleontological Resources
Maggie Crawford	Support for the Project	Comment acknowledged
Erika Foy	Traffic infrastructure; small-town feel; scale near historic neighborhoods; cumulative traffic impact; project height, density, setbacks; risks with high-density living—poor air quality, heat index; keep Pasadena special	Transportation issues, including cumulative impacts, are addressed in Section 3.9, Transportation; historic resources issues are addressed in Section 3.2, Cultural and Paleontological Resources; land use issues are addressed in Section 3.6, Land Use and Planning; air quality issues are addressed in Section 3.1, Air Quality; heat island/heat index are addressed in Section 2.0, Environmental Setting and Project Description
Jim Gamb	Support for the Project	Comment acknowledged
Akila Gibbs	Support for the Project	Comment acknowledged

**TABLE 1-1
SUMMARY OF COMMENTS RECEIVED DURING SCOPING PERIOD**

Commentor	Comments/Issues Raised	Where Discussed
Kristin Techentin Harrison	Traffic congestion/intersection geometry; proposed ingress/egress; traffic noise; Project design; heat index; parkway sidewalk and tree planting; pedestrian safety	Transportation issues, including cumulative impacts, are addressed in Section 3.9, Transportation; noise issues are addressed in Section 3.7, Noise
Tricia Keane	Support for the Project	Comment acknowledged
Dean Kitchens	Support for the Project	Comment acknowledged
Stan Kong	Support for the Project	Comment acknowledged
Erik Landswick	Support for the Project	Comment acknowledged
Nikki Maciejowski	Support for the Project	Comment acknowledged
Penny Plotkin	Support for the Project	Comment acknowledged
Julie Rosenberg	Support for the Project	Comment acknowledged
Michelle Round	Support for the Project	Comment acknowledged
Tammy Silver	Setbacks; in-ground trees; heat index; transportation/traffic	Aesthetic issues were addressed in Section 2.1, Aesthetics, of the Initial Study; land use issues are addressed in Section 3.6, Land Use and Planning; heat island/heat index are addressed in Section 2.0, Environmental Setting and Project Description; transportation issues are addressed in Section 3.9, Transportation
Susan Stevens	Traffic; traffic safety; noise; building massing, setbacks, green space; historic context; water supply	Transportation issues, including traffic safety, are addressed in Section 3.9, Transportation; historic resources issues are addressed in Section 3.2, Cultural and Paleontological Resources; aesthetic issues were addressed in Section 2.1, Aesthetics, of the Initial Study; land use issues are addressed in Section 3.6, Land Use and Planning; noise issues are addressed in Section 3.7, Noise; water supply issues are addressed in Section 3.11, Utilities and Service Systems
Victoria Stratman	Support for the Project	Comment acknowledged
Steven Trytten	Support for the Project	Comment acknowledged
Carole Walker	Support for the Project	Comment acknowledged
Xiaoyan Zhou	Traffic; noise; air quality; water supply; electric consumption	Transportation issues are addressed in Section 3.9, Transportation; noise issues are addressed in Section 3.7, Noise; air quality issues are addressed in Section 3.1, Air Quality; water supply and electric consumption issues are addressed in Section 3.11, Utilities and Service Systems
Scoping Meeting No. 1		
Commissioner Lambert Giessinger	Variance for historic resources	Staff explained the reason for the historic resources variance; description of PD Plan process, including variance for historic resources, is discussed in Section 2.0, Environmental Setting and Project Description, and Section 3.6, Land Use and Planning
Commissioner Andrea Rawlings	Historic resources and variance for historic resources; aesthetics	Staff explained the process for the historic resources variance for the Project and discussed that the findings of the aesthetics analysis in the Initial Study was in compliance with Senate Bill (SB) 743; nonetheless, aesthetics considerations solely as they relate to historic resources will be addressed (in Section 3.2, Cultural and Paleontological Resources) through preparation of a Historic Resources Assessment

**TABLE 1-1
SUMMARY OF COMMENTS RECEIVED DURING SCOPING PERIOD**

Commentor	Comments/Issues Raised	Where Discussed
Commissioner D. Jason Lyon	Hydrology; water runoff and groundwater	Staff explained the hydrologic analysis presented in the Initial Study; the impact finding is based on implementation of standard State and City regulations during both construction and operation that would fully manage runoff for this Project
Commissioner Mic Hansen	Water supply; construction phase impacts; transportation; utilities; EIR format; cumulative impacts approach and specific plans	Water supply is evaluated as part of Section 3.11, Utilities and Service Systems, consistent with Appendix G of the State CEQA Guidelines; construction-phase impacts are evaluated for every checklist question presented in Sections 3.1 through 3.11; Transportation is addressed in Section 3.9, Transportation; the narrative format of the EIR is consistent with the state of the practice and the requirements of CEQA and the State CEQA Guidelines; the Executive Summary and Section 4.0, Alternatives, provide an overall summary of the Draft EIR's findings; Section 2.5 of Section 2.0, Environmental Setting and Project Description, describes the approach to the cumulative impact analysis, which is provided for each topic addressed in Sections 3.1 through 3.11; the cumulative impacts are based on buildout of the adopted General Plan and related adopted Specific Plans.
Madison Heights Neighborhood Association (Rob Manske)	Project design (e.g., density, setbacks, aesthetics, building scale relative to residential, change in site use); water; traffic congestion and safety; noise; infrastructure; General Plan consistency	Aesthetic issues were addressed in Section 2.1, Aesthetics, of the Initial Study; and was evaluated consistent with SB 743; transportation and traffic safety are addressed in Section 3.9, Transportation; water supply and infrastructure requirements are addressed in Section 3.11, Utilities and Service Systems; noise issues are addressed in Section 3.7, Noise; land use issues, including consistency with the General Plan and the Central District Specific Plan, are addressed in Section 3.6, Land Use and Planning
Livable Pasadena (Megan Foker)	Water supply and use; cumulative impacts	Water supply, including cumulative impacts, is addressed in Section 3.11, Utilities and Service Systems
Magnolia Landmark District (Erika Foy)	Traffic; intersection safety; cumulative impacts	Transportation and traffic safety, including cumulative impacts, are addressed in Section 3.9, Transportation
Pasadena Heritage (Andrew Salimian)	Cultural resources; traffic; water supply and retention	Historic resources are addressed in Section 3.2, Cultural and Paleontological Resources; water supply is address in Section 3.11, Utilities and Service Systems;
Scoping Meeting No. 2		
Coalition for Responsible Equitable Economic Development (CREED) LA (representing coalition of labor unions)	Air quality; noise; GHG, on-site soil contamination	Air quality issues are addressed in Section 3.1, Air Quality; noise issues are addressed in Section 3.7, Noise; greenhouse gas issues are addressed in Section 3.4, GHG Emissions; on-site soil contamination issues are addressed in Section 3.5, Hazards and Hazardous Materials
LiUNA Southern California District Council of Laborers (Bill Quisenberry)	Stated no environmental-related comments to make; looking for opportunity to put membership to work on the project.	Comment acknowledged
Ross Selvidge	Support for the Project	Comment acknowledged

Based on the results of the IS and comments received on the NOP, the City determined that implementation of the proposed Project and/or Project with Building A Residential/Commercial has the potential to impact the following environmental topics, which are further addressed in this Draft EIR:

- Air Quality,
- Cultural and Paleontological Resources,
- Energy,
- Greenhouse Gas Emissions,
- Hazards and Hazardous Materials,
- Land Use and Planning,
- Noise,
- Public Services and Recreation,
- Transportation,
- Tribal Cultural Resources, and
- Utilities and Service Systems.

The City determined there would be no impacts or less than significant impacts to the following environmental topics and/or thresholds (refer to the IS/NOP in Appendix A-1). Therefore, in accordance with Section 15128 of the State CEQA Guidelines, these are identified as topical areas that would not receive further evaluation in this EIR:

- Aesthetics,
- Agricultural and Forestry Resources,
- Biological Resources,
- Geology and Soils,
- Hydrology and Water Quality,
- Mineral Resources,
- Population and Housing, and
- Wildfire.

1.3 PROJECT APPLICANT AND CONTACT PERSON

The Project Applicant is:

The Arroyo Parkway, LLC
716 Mission Street
South Pasadena, CA 91030

All inquiries regarding the Project and the EIR should be directed to:

Mr. Jason Van Patten
Senior Planner
City of Pasadena Planning and Community Development Department
175 North Garfield Avenue
Pasadena, CA 91101
jvanpatten@cityofpasadena.net
Phone: (626) 744-6760

1.4 PUBLIC REVIEW OF THE DRAFT EIR

The Draft EIR for the Project is being distributed to responsible and trustee agencies, other affected agencies, surrounding cities, interested parties, and all parties who requested a copy of the EIR in accordance with CEQA. During the 45-day public review period, this Draft EIR, including the technical appendices, is available for review online at

<https://www.cityofpasadena.net/planning/planned-development-39-affinity-project/> and hard copies are available at the following four locations during regular business hours:

City of Pasadena Permit Center (Window 3)
175 North Garfield Avenue
Pasadena, California 91101

Allendale Library
1130 S. Marengo Avenue
Pasadena, CA 91106

Office of the City Clerk
100 N. Garfield Avenue, Room S228
Pasadena, CA 91101

Comments on the Draft EIR from public agencies and interested individuals will be accepted during the 45-day public review period from Tuesday, January 18, 2022 to Thursday, March 3, 2022. Written comments on the Draft EIR should be sent to the Lead Agency contact identified above, via mail or email. Upon completion of the 45-day public review period, written responses will be prepared for all environmental issues raised in the comment letters, and the comments and responses will be included into the Final EIR. All responses to comments submitted on this Draft EIR by public agencies will also be provided to those agencies at least ten days prior to certification of the EIR, consistent with Section 15088(b) of the State CEQA Guidelines.

1.5 DECISION-MAKING PROCESS

An EIR is one of the various decision-making tools used by a Lead Agency to consider the merits and disadvantages of a project that is subject to its discretionary authority. For an EIR, in accordance with Section 21081 of CEQA and Section 15091 of the State CEQA Guidelines, public agencies are required to make written findings for each significant environmental impact identified in the EIR. If the Lead Agency and responsible agencies decide that the benefits of proposed Project outweigh any identified unmitigated significant environmental effects, the Lead Agency is required to adopt a Statement of Overriding Considerations supporting their actions.

Prior to approving a proposed Project, the Lead Agency must consider the information contained in the EIR; determine whether the EIR was properly prepared in accordance with CEQA and the State CEQA Guidelines; determine that the EIR reflects the independent judgment of the Lead Agency; adopt findings concerning the Project's significant environmental impacts and alternatives; and adopt a Statement of Overriding Considerations if the Project would result in significant impacts that cannot be reduced to a less than significant level.

The City Council is the decision-making body for the Project. Public hearings before both the City of Pasadena Planning Commission and then the City Council will be held. Prior to the Planning Commission and City Council hearings, the Project will go to the Design Commission. The role for Planned Developments is limited to recommendations to the Commission and Council on aesthetic and urban design issues related to elements such as architecture, landscaping, and site plan as well as historic preservation. Comments on the aesthetic/cultural resources of a draft environmental study are appropriate. Public hearings before the Commission and Council are to consider the Project and the adequacy of the Final EIR (which includes the Draft EIR, Responses to Comments on the Draft EIR, and revisions and clarifications to the Draft EIR), at which time public testimony will be received. The City Council will consider whether to certify the Final EIR and adopt a Mitigation Monitoring and Reporting Program, EIR Findings relative to the Project's environmental effects, and a Statement of Overriding Considerations, if applicable. The City Council, as the decision-making body of the Lead Agency, will then consider whether to approve, approve in modified form, or disapprove the proposed Project.

SECTION 2.0 ENVIRONMENTAL SETTING AND PROJECT DESCRIPTION

2.1 PROJECT LOCATION

The Affinity Project (Project or Project with Building A Residential/Commercial) site encompasses approximately 3.3 acres (144,853 square feet [sf]) located between 465 and 577 South Arroyo Parkway, City of Pasadena, Los Angeles County. The site is bound by East Bellevue Drive on the north, South Arroyo Parkway on the east, East California Boulevard on the south, and the Metro Gold (L) Line on the west. Regional access to the site is provided by State Route (SR) 110 located approximately 0.6-mile due south on Arroyo Parkway. Local access is provided by adjacent surface streets and Metro's Del Mar and Fillmore Stations located approximately 0.2-miles to the north and south, respectively. Exhibit 2-1, Regional Location and Local Vicinity, illustrates the Project site location.

2.2 PROJECT SETTING AND CHARACTERISTICS

2.2.1 ON-SITE AND SURROUNDING LAND USES

The City of Pasadena (City) is situated along the western edge of the San Gabriel Valley and at the foothills of the San Gabriel Mountains. The Project site is in the southwestern quadrant of the City and to the southeast of the SR-110 and Interstate-210 (I-210) intersection.

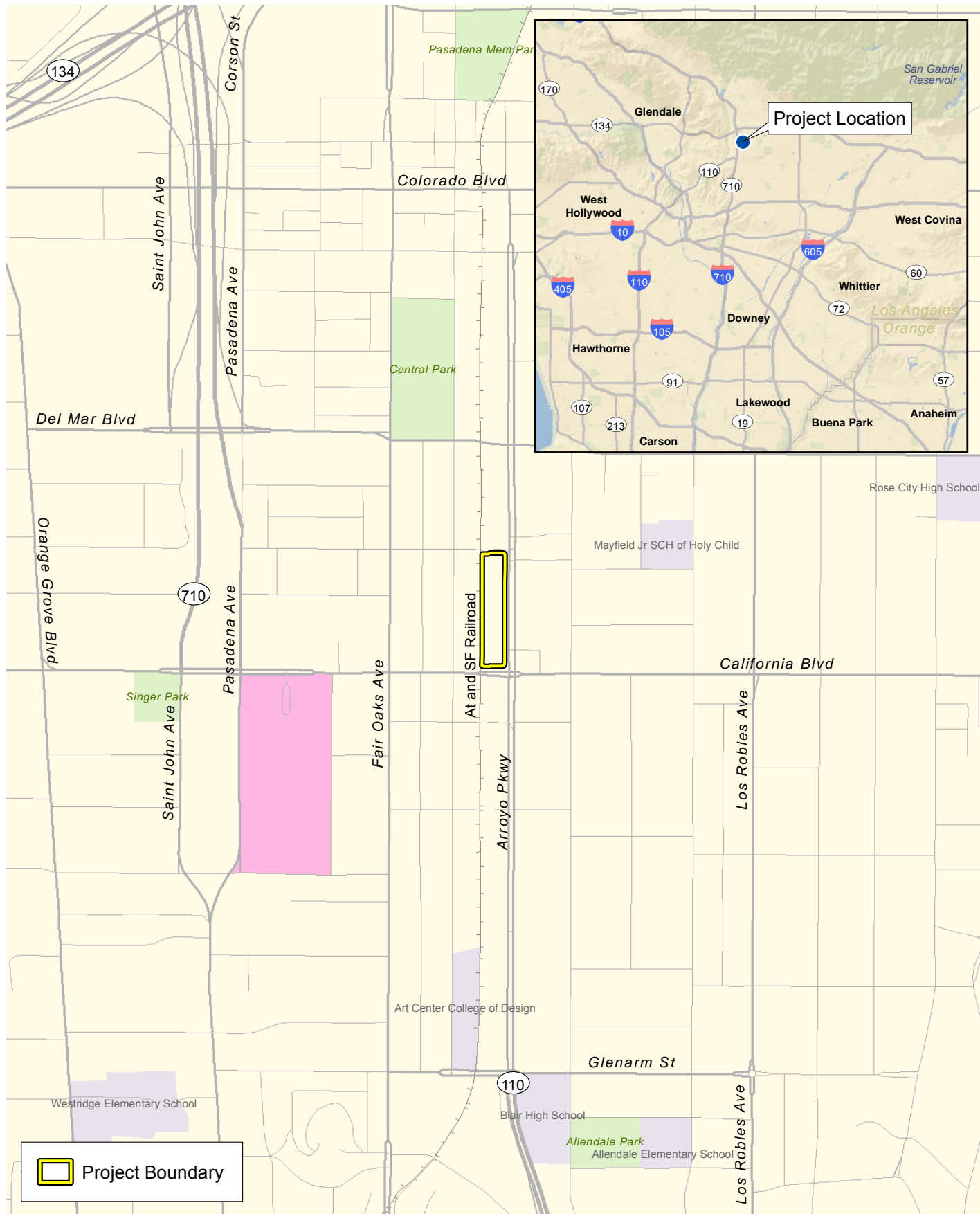
The Project site consists of five parcels developed with a total of nine commercial buildings with seven businesses. All existing buildings on the site are one or two stories with heights ranging between 17 feet and 63 feet. All existing land uses have surface parking except for the Whole Foods Market, which has a 275-space, subterranean parking structure for its sole use. Table 2-1, Summary of Existing Land Uses, summarizes the existing on-site land uses; and Exhibit 2-2, Existing Project Site, illustrates the addresses and locations of the nine existing buildings and other on-site land uses.

**TABLE 2-1
SUMMARY OF EXISTING LAND USES**

Address	Existing Use	Building Size	Disposition
465 S. Arroyo Parkway	Whole Foods Market	73,671 sf	To Be Retained
491/495 S. Arroyo Parkway	K9 Loft	12,676 sf	To Be Demolished
499/503 S. Arroyo Parkway	Corporate Furniture Resource	21,437 sf	To Be Demolished
501 S. Arroyo Parkway	Gold Line Pilates	2,880 sf	Historic Resource; To Be Retained
523 S. Arroyo Parkway	Town & Country Event Rentals	3,002 sf	Historic Resource; To Be Retained
541 S. Arroyo Parkway	Little Lily's Kitchen	7,493 sf	To Be Demolished
577 S. Arroyo Parkway	Guisado's Restaurant	4,306 sf	To Be Demolished
Total Existing Building Area		125,465 sf	
S.: South; sf: square feet			

The Project area is an urban environment, and the site and surrounding area are fully built out with a broad mix of land uses. These land uses also represent a variety of ages, architectural styles, heights, and conditions. Exhibit 2-3, Aerial Photograph, shows the site and existing land use types in the surrounding area.

Commercial land uses are primarily located to the north, including retail, services, and restaurants. Other land uses to the north include medical offices; Pasadena Humane Society,



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Regional Location and Local Vicinity

Exhibit 2-1

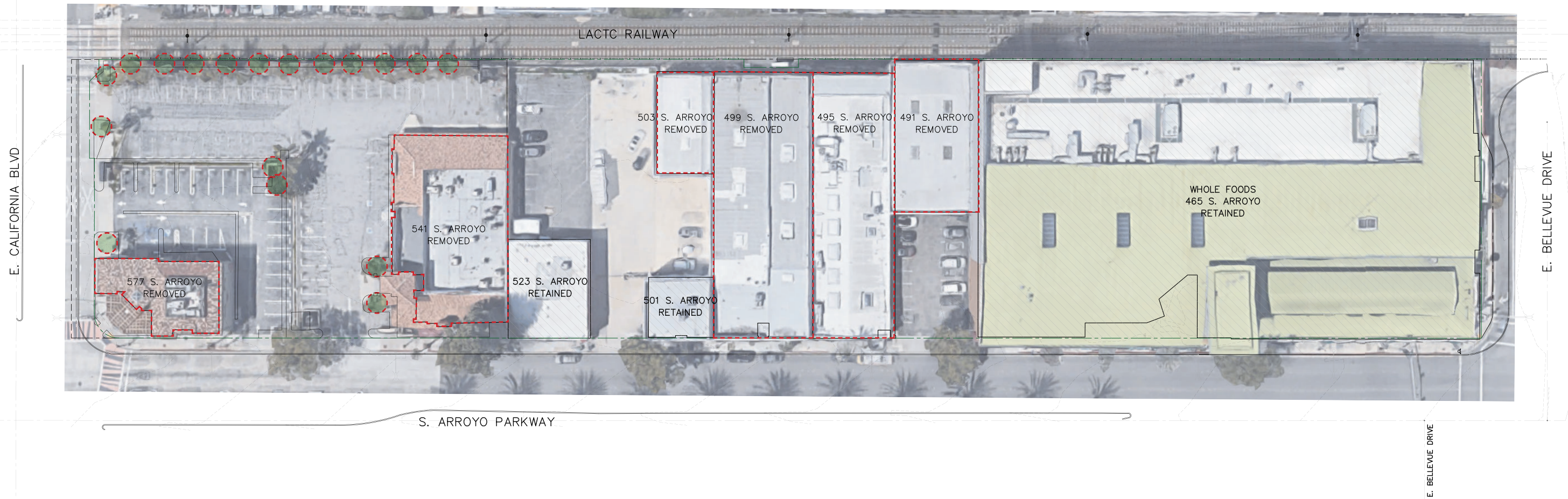
Affinity Project



1,000 500 0 1,000
Feet



(Rev: 02/05/2021 RMB) R:\Projects\PAS\Pasaden\3PAS012100\Graphics\ex:LV:RL.pdf



Existing Project Site

Affinity Project



Map not to scale

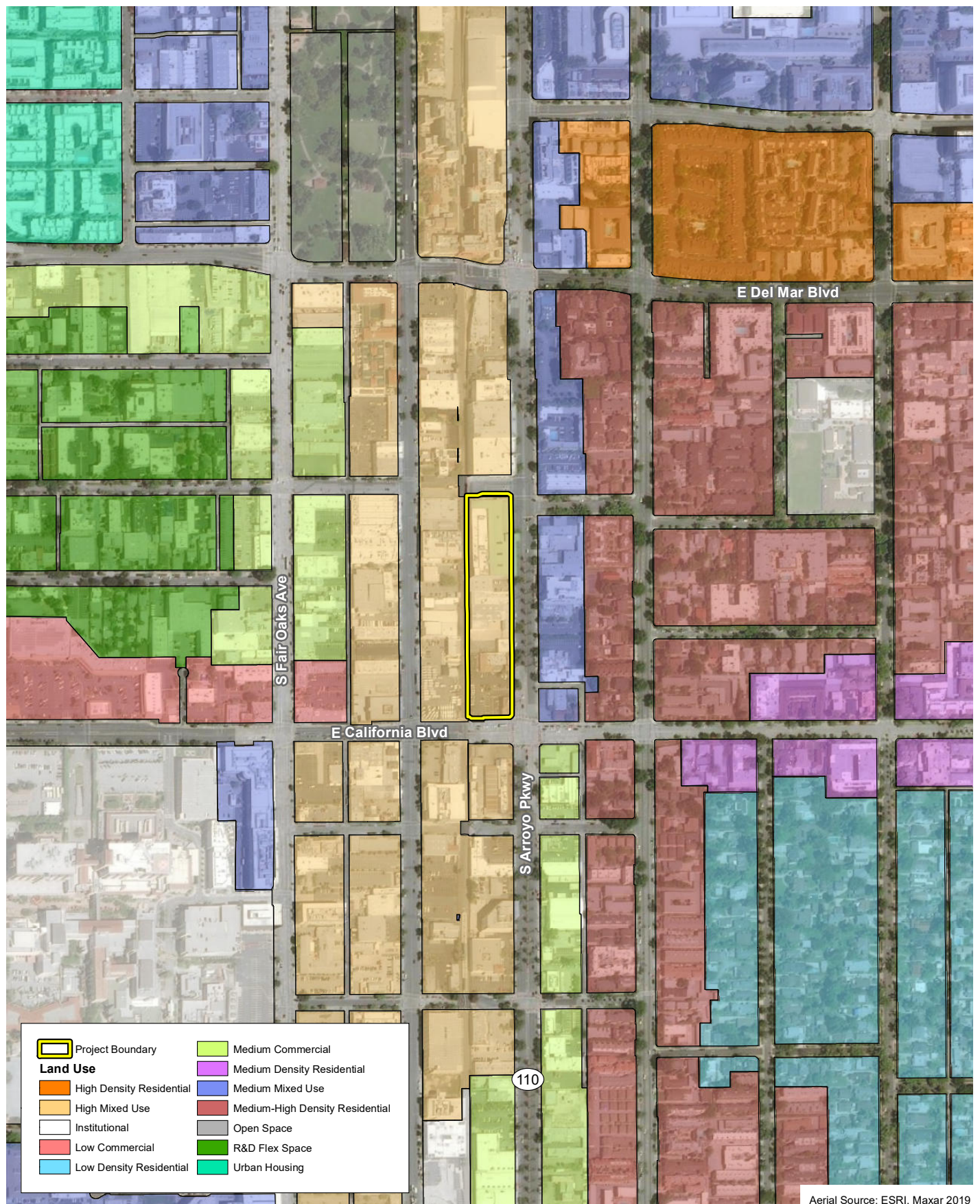
Source: Adept 2021

Exhibit 2-2



(02/04/2021 RMB) R:\Projects\IPAS_Pasaden\3PAS012100\Graphics\ex_exisiting_project_site.pdf

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Aerial Source: ESRI, Maxar 2019

Aerial Photograph

Affinity Project



500 250 0 500
Feet

Exhibit 2-3



(Rev: 03/16/2021 RMB) R:\Projects\PAS_Pasaden\3PAS012100\Graphics\ex_AerialPhotograph.pdf

located approximately 0.1-mile to the northwest; Central Park, located approximately 0.2-mile northwest of the site; and single- and multi-family residential land uses located, at the nearest, approximately 0.2-mile to the north on Del Mar Boulevard and approximately 0.1-mile to the north-northeast on Bellevue Drive. Commercial land uses are located opposite the Project site on Arroyo Parkway. Single- and multi-family residential land uses are situated less than 0.1-mile to the east along Marengo Avenue and Arroyo Parkway. Land uses to the south include a mix of commercial, medical office, and single- and multi-family residential land uses; the latter is located along Marengo Avenue and California Boulevard to the southeast. To the west, there is a mix of commercial and non-profit (i.e., npr/KPCC and Union Station Homeless Services) uses. Further from the site, land uses include a mix of commercial, medical, light industrial, single- and multi-family residential, and public (e.g., schools, churches, parks).

2.2.2 PHYSICAL CHARACTERISTICS

The Project site is relatively flat with a gentle slope of approximately two percent to the south and southeast. Elevations on the site range from approximately 800 feet above mean sea level (msl) along the northern site boundary to approximately 782 feet above msl in the southeast corner.

The site is entirely developed, with the portion of the site south of the Whole Foods Market having a 97 percent impervious surface area. The existing buildings primarily drain runoff via roof drains that either connect to an underground curb drain or release just above the pavement or sidewalk. The storm water runoff then outfalls through sheet flow along driveways and street-adjacent curb drains onto the Arroyo Parkway sidewalk or directly connects to the municipal storm drain system (Fusco Engineering 2021).

There is limited ornamental vegetation present on the Project site. As shown in Table 2-2, Tree Inventory Summary, on the following page, a total of 40 trees were inventoried on the Project site and the adjacent public right-of-way (ROW). Of these, 17 trees located in the ROW are protected under the City Trees and Tree Protection Ordinance. The remaining 23 trees are located on private property within the Project site and are not protected. These include 19 queen palms, 2 Canary Island pines, 1 pecan, and 1 African fern pine (Carlberg Associates 2021).

The site currently has seven points of access, including two on California Boulevard, one on Bellevue Drive, and five on Arroyo Parkway when including the Whole Foods Market exit. All of these access points, except the access from Bellevue Drive and the Whole Foods Market exit, are driveways leading to surface parking; the access point on Bellevue Drive leads into the subterranean parking structure serving Whole Foods Market.

Metro's Gold (L) Line runs adjacent to the western site boundary. The nearest light rail platforms are Del Mar Station and Fillmore Station, located approximately ¼-mile due north and due south of the Project site, respectively. Additional public transit service present near the site includes the California Boulevard/Arroyo Parkway Metro bus stop located in the ROW on the southern site boundary, and the Bellevue Drive/Arroyo Parkway Metro bus stop located in the ROW at the northeast corner of the site.

**TABLE 2-2
TREE INVENTORY SUMMARY**

Tree ID	Tree Species		Protected Tree?	Disposition
	Common Name	Scientific Name		
Trees on Private Property				
1	queen palm	<i>Syagrus romanzoffiana</i>	No	Remove
2	queen palm	<i>Syagrus romanzoffiana</i>	No	Remove
3	queen palm	<i>Syagrus romanzoffiana</i>	No	Remove
4	queen palm	<i>Syagrus romanzoffiana</i>	No	Remove
5	queen palm	<i>Syagrus romanzoffiana</i>	No	Remove
6	queen palm	<i>Syagrus romanzoffiana</i>	No	Remove
7	queen palm	<i>Syagrus romanzoffiana</i>	No	Remove
8	queen palm	<i>Syagrus romanzoffiana</i>	No	Remove
9	queen palm	<i>Syagrus romanzoffiana</i>	No	Remove
10	queen palm	<i>Syagrus romanzoffiana</i>	No	Remove
11	queen palm	<i>Syagrus romanzoffiana</i>	No	Remove
12	queen palm	<i>Syagrus romanzoffiana</i>	No	Remove
13	queen palm	<i>Syagrus romanzoffiana</i>	No	Remove
14	queen palm	<i>Syagrus romanzoffiana</i>	No	Remove
15	queen palm	<i>Syagrus romanzoffiana</i>	No	Remove
16	queen palm	<i>Syagrus romanzoffiana</i>	No	Remove
17	African fern pine	<i>Afrocarpus falcatus</i>	No	Remove
18	queen palm	<i>Syagrus romanzoffiana</i>	No	Remove
19	queen palm	<i>Syagrus romanzoffiana</i>	No	Remove
20	queen palm	<i>Syagrus romanzoffiana</i>	No	Remove
21	Canary island pine	<i>Pinus canariensis</i>	No	Remove
22	Canary island pine	<i>Pinus canariensis</i>	No	Remove
23	pecan	<i>Carya illinoiensensus</i>	No	Remove
Trees in Public Right-of-Way				
ST24	camphor	<i>Cinnamomum camphora</i>	Yes	Preserve and Protect
ST25	weeping fig	<i>Ficus benjamina</i>	Yes	Preserve and Protect
ST26	date palm	<i>Phoenix dactylifera</i>	Yes	Preserve and Protect
ST27	African fern pine	<i>Afrocarpus falcatus</i>	Yes	Preserve and Protect
ST28	African fern pine	<i>Afrocarpus falcatus</i>	Yes	Preserve and Protect
ST29	date palm	<i>Phoenix dactylifera</i>	Yes	Preserve and Protect
ST30	date palm	<i>Phoenix dactylifera</i>	Yes	Preserve and Protect
ST31	date palm	<i>Phoenix dactylifera</i>	Yes	Preserve and Protect
ST32	African fern pine	<i>Afrocarpus falcatus</i>	Yes	Remove
ST33	date palm	<i>Phoenix dactylifera</i>	Yes	Preserve and Protect
ST34	African fern pine	<i>Afrocarpus falcatus</i>	Yes	Preserve and Protect
ST35	African fern pine	<i>Afrocarpus falcatus</i>	Yes	Preserve and Protect
ST36	African fern pine	<i>Afrocarpus falcatus</i>	Yes	Preserve and Protect
ST37	African fern pine	<i>Afrocarpus falcatus</i>	Yes	Preserve and Protect
ST38	date palm	<i>Phoenix dactylifera</i>	Yes	Remove
ST39	African fern pine	<i>Afrocarpus falcatus</i>	Yes	Preserve and Protect
ST40	date palm	<i>Phoenix dactylifera</i>	Yes	Preserve and Protect
Source: Carlberg Associates. 2021 (February 3). <i>City of Pasadena Tree Inventory</i> , 555 South Arroyo Parkway, Pasadena, California 91105. Sierra Madre, CA: Carlberg Associates.				

2.2.3 RELEVANT PLANNING CONSIDERATIONS

City of Pasadena

The City's General Plan land use designation for the Project site is High Mixed-Use, which is intended to support multi-story mixed-use buildings with a variety of compatible commercial and residential uses. Development within this designation is characterized by shared open spaces, extensive landscaping, minimal building separations, and shared driveways with parking located underground or to the rear of the street. The High Mixed-Use General Plan land use category allows maximum densities of 3.0 floor area ratio (FAR) and 87 dwelling units per acre (du/acre). Based on the lot size, the site would allow up to 434,559 sf of floor area and up to 289 dwelling units.

The Land Use Element of the City's General Plan establishes an overall pattern of development that directs growth "into specific areas in order to protect residential neighborhoods and create mixed-use urban environments." These areas are based on a concept of higher density, mixed-use environments that support transit- and pedestrian-oriented mobility strategies. The Central District is one of eight areas throughout the City requiring preparation of a specific plan to implement this goal. The site is zoned CD-6 (Central District, Arroyo Corridor/Fair Oaks subdistrict). The City considers the Central District to be Pasadena's urban core, and this Specific Plan (Central District Specific Plan [CDSP]) includes a "diverse mix of land uses designed to create the primary business, financial, retailing, and government center of the City" (Pasadena 2004).

The CDSP includes both Public Realm and Private Realm Design Guidelines, which apply to all development in this district, including the Project. The CDSP also provides District-wide land use, mobility, and urban design concepts. The CDSP identifies sub-districts, and within the sub-districts, precincts that include more specific goals, policies, and standards targeted toward the vision for each neighborhood. The site is in the Arroyo Corridor Transition precinct within the Arroyo Corridor/Fair Oaks sub-district, which is an important gateway to downtown that also supports a broad, but rather undefined, mixture of uses at the periphery of the urban core. The objective of the Arroyo Corridor/Fair Oaks sub-district is to establish Arroyo Parkway as a visually appealing entrance corridor. Additionally, the intent of sub-district is to provide an attractive opportunity for employment-generating uses adaptable to changing economic conditions—such as arts, technology, and knowledge-based enterprise—within a revitalized low-scale, mixed-use setting at the periphery of Downtown Pasadena. The emphasis of the Arroyo Corridor Transition precinct is the transitional character of the area towards more pedestrian and transit-oriented development with a mix of land uses including residential, commercial, and employment (Pasadena 2004). Within this Corridor, building height is limited to 50 feet, or 65 feet using height averaging.

As discussed further below and in Section 3.6, Land Use and Planning, of this Draft EIR, the Applicant seeks approval to rezone the site as a Planned Development (PD) district and approval of a PD Plan. The City's PD zone is a special purpose zoning district defined pursuant to Section 17.26.020(C) of the Pasadena Municipal Code. The PD zoning district is "intended for sites where an applicant proposes and the City desires to achieve a particular mix of uses, appearance, land use compatibility, or special sensitivity to neighborhood character." The Applicant is also requesting a zoning variance for historic resources related to building height. Specifically, the Applicant is requesting an increase in allowable building height to offset the reduction in developable area due to preserving the two historic structures (i.e., 501 and 523 South Arroyo Parkway) on the Project site.

Southern California Association of Governments

The Southern California Association of Governments (SCAG) is the Metropolitan Planning Organization (MPO) for six counties: Los Angeles, Orange, San Bernardino, Riverside, Ventura, and Imperial Counties, an area that encompasses more than 38,000 square miles. As the designated MPO, the federal government mandates that SCAG research and draw up plans for transportation, growth management, hazardous waste management, and air quality.

SCAG is responsible for maintaining a continuous, comprehensive, and coordinated planning process resulting in a Regional Transportation Plan (RTP) and a Federal Transportation Improvement Program (FTIP) and developing a Sustainable Communities Strategy (SCS) to reduce greenhouse gas emissions, as required by applicable State law (Senate Bill [SB] 375) as an element of the RTP. On September 3, 2020, the SCAG Regional Council adopted the 2020–2045 RTP/SCS. The 2020 RTP/SCS combines the need for mobility with a “sustainable future” through a reduction in the amount of emissions produced from transportation sources.

High-Quality Transit Areas (HQTAs) are areas within one-half mile of a fixed guideway transit stop or a bus transit corridor where buses pick up passengers at a frequency of every 15 minutes or less during peak commuting hours. Transit Priority Areas (TPAs) are areas within one-half mile of a major transit stop that is existing or planned (SCAG 2020). The Project site is within both a HQTA and TPA.

2.3 PROJECT OBJECTIVES

Section 15124(b) of the State CEQA Guidelines requires an EIR to include a statement of the proposed project’s objectives. This disclosure will assist in developing the range of Project alternatives to be investigated in the EIR and will provide a rationale for the adoption of a Statement of Overriding Considerations if one is needed. The Affinity Project seeks to achieve the following key objectives:

1. Reinforce and strengthen Arroyo Parkway as a major commercial corridor and the Central District’s economic vitality through the development of multi-story buildings with a variety of complementary commercial and/or residential uses in underutilized areas with higher development capacity.
2. Provide jobs, services, revenues, and opportunities that will support Pasadena as an economically vital city and allow for continued fiscal health.
3. Develop assisted living facilities that have access to local commercial services, health care facilities, community facilities, and public transit.
4. Satisfy local and regional demand for varying levels of care (independent living, residential care, continuing care) to individuals, depending on need, that are transit-accessible and pedestrian-friendly.
5. Improve Pasadena’s infrastructure and urban form through modernized buildings that are energy- and water-efficient.
6. Preserve and integrate Pasadena’s historic resources as part of a complementary development that reduces the risk of resource demolition, deterioration by neglect, and/or impacts from natural circumstances.
7. Invest sustainably by providing for the needs of existing and future residents and businesses while in proximity to transportation opportunities.

2.4 **PROJECT DESCRIPTION**

The Applicant requests approval to rezone the Project site from CD-6 to a Planned Development (PD) zone, and approval of a PD Plan. The Project involves demolition of 6 (of the 9) existing buildings totaling 45,912 sf, located at 491, 495, 499, 503, 541, and 577 South Arroyo Parkway, and construction of 2 new buildings, as identified below:

- Building A: a 154,000-sf, 7-story (aboveground) medical office building with ground-floor commercial uses;
- Building B: a 184,376-sf, 7-story (aboveground) assisted living building with 85,800 sf of assisted living uses and 98,576 sf of independent living uses including up to 95 studio, one-, and two-bedroom senior housing units; and
- Up to 850 parking spaces in 5 subterranean levels.

Alternatively, the proposed PD Plan would provide the flexibility to exchange the uses in Building A from medical office and ground floor commercial for the following:

- 3,000 sf of commercial and a sales/leasing management office on the ground floor;
- Up to 197 residential dwelling units; and
- Up to 650 parking spaces in 4 subterranean levels (1 less parking level than the Project as proposed).

Although the Project described is anticipated to reflect the Project to be constructed, the flexibility to exchange the uses in Building A would enable the Project to respond to the economic needs and demands of the City at the time of Project implementation. The proposed site layout and the aboveground height, mass, and other parameters of the Building A design would remain the same. The PD Plan would define all aspects of site design and provide caps on the types and amounts of allowable land uses, regardless of whether Building A is developed with medical office or residential dwelling units. It is noted that based on the development cap of 87 dwelling units per acre (du/acre), a total of 289 units could be constructed. Therefore, if a total of 197 units were constructed in Building A, only 92 senior housing units (i.e., 3 fewer units than the Project as proposed) could be constructed in Building B. Conversely, if 95 senior housing (i.e., independent living) units were constructed in Building B, only 194 units could be constructed in Building A.

Throughout the CEQA documentation, these two development scenarios will be referred to as:

- Project (development of Building A with medical office/commercial), and
- Project with Building A Residential/Commercial (development of Building A with residential/commercial).

A total of five levels of subterranean parking spanning both proposed buildings with up to 850 parking spaces would be constructed to serve the new development as well as the existing structures at 501 and 523 South Arroyo Parkway under the Project scenario. When including the new subterranean parking, the Project would consist of approximately 753,439 sf of new construction. For the Project with Building A Residential/Commercial, a total of 4 levels of subterranean parking spanning both proposed buildings with up to 650 parking spaces would be constructed to serve the new development as well as the existing structures at 501 and 523 South Arroyo Parkway.

Approximately 79,553 sf of the existing development would be retained and integrated into the Project, including the Whole Foods Market and associated 275-space subterranean parking

structure at 465 South Arroyo Parkway, and the 2 historic structures at 501 and 523 South Arroyo Parkway. The Applicant anticipates that restaurant uses would occupy the approximately 5,882 sf of space in the existing buildings to be retained at 501 and 523 South Arroyo Parkway. In retaining these structures, the Applicant is also requesting a zoning variance for historic resources related to building height. Specifically, the Applicant is requesting an increase in allowable building height of the two new buildings to offset the reduction in developable area due to preserving the two historic structures (i.e., 501 and 523 South Arroyo Parkway) on the Project site. Exhibit 2-4, Project Site Plan, provides a schematic overview of the Project design.

Section 15124 of the State CEQA Guidelines defines what information shall be contained in a project description for purposes of analysis in an EIR. The concept of a stable and finite project description is shaped by selected published CEQA court decisions. The project description provided in this Draft EIR meets the requirements of Section 15124 and is also stable and finite. A stable and finite project description, as interpreted in the relevant legal cases, is not synonymous with allowing only a single development scenario. The siting, mass, and outward appearance of the Project, regardless of scenario, is clearly defined both in this EIR and in the Initial Study. The upper limits of development of both buildings for both scenarios is clearly defined, and the Initial Study and this EIR address both scenarios in distinct, separate analyses. Therefore, the project description provided in this Draft EIR is legally adequate and allows for a full and robust analysis of all potential impacts of implementing either the Project or Project with Building A Residential/Commercial, if approved.

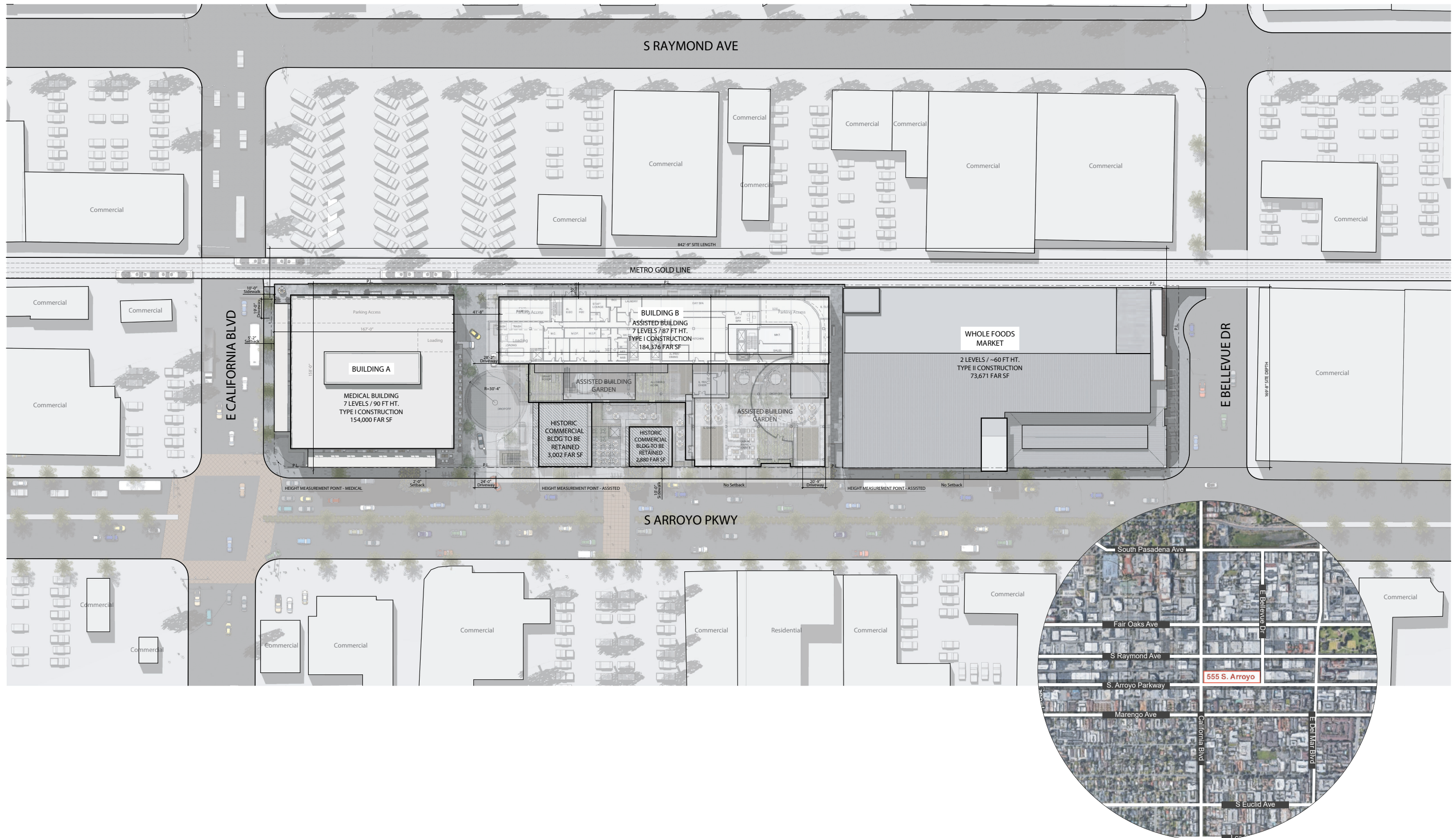
2.4.1 PROPOSED LAND USES

Table 2-3, Summary of Proposed Land Uses, on the following page summarizes the existing and proposed uses for the Project and the Project with Building A Residential/Commercial. Exhibit 2-5, First (Ground) Level Plan; Exhibit 2-6, Level 2 Plan; Exhibit 2-7, Level 3 Plan; Exhibit 2-8, Level 4 Plan; Exhibit 2-9, Level 5 Plan; Exhibit 2-10, Level 6 Plan; and Exhibit 2-11, Level 7 Plan present the floor plans from the ground floor through Level 7 for the Project.

Under the Project scenario, the medical office building would have commercial uses as well as a lobby, loading bay, and circulation areas on the Ground (first) level and medical office uses on Levels 2 through 7.

On the Ground (first) Level of the assisted living building, there would be a foyer, parlor, bistro, and dining room for open use; a private dining room for assisted living use; a casual dining/lounge, dining area, and private dining room for independent living use; and “back of house” facilities for the assisted living uses, such as a day spa, kitchen, laundry, staff lounge, and business offices; and a loading bay. There would be separate entrances and sets of elevator bays for use by assisted and independent living residents and guests. Levels 2 and 3 would be exclusively assisted living and include communal spaces; Level 4 would be a mix of assisted and independent living; and levels 5 through 7 would be exclusively independent living. Level 7 would also have a gym, billiard room, club room, and bistro lounge for independent living residents. As noted above, a total of 95 studio, one-, and two-bedroom senior housing units would be constructed as part of the assisted living building.

Under the Project with Building A Residential/Commercial scenario, the floor levels, building envelope, site layout, and open space would be the same as presented for the medical office building. Detailed floor plans for development of residential uses and ground floor commercial and management office, if the land uses in Building A are exchanged, have not been developed at the time of preparation of this Draft EIR. However, the dwelling units are anticipated to be market-rate apartments and/or condominiums of various sizes.



Project Site Plan

Affinity Project



Map not to scale

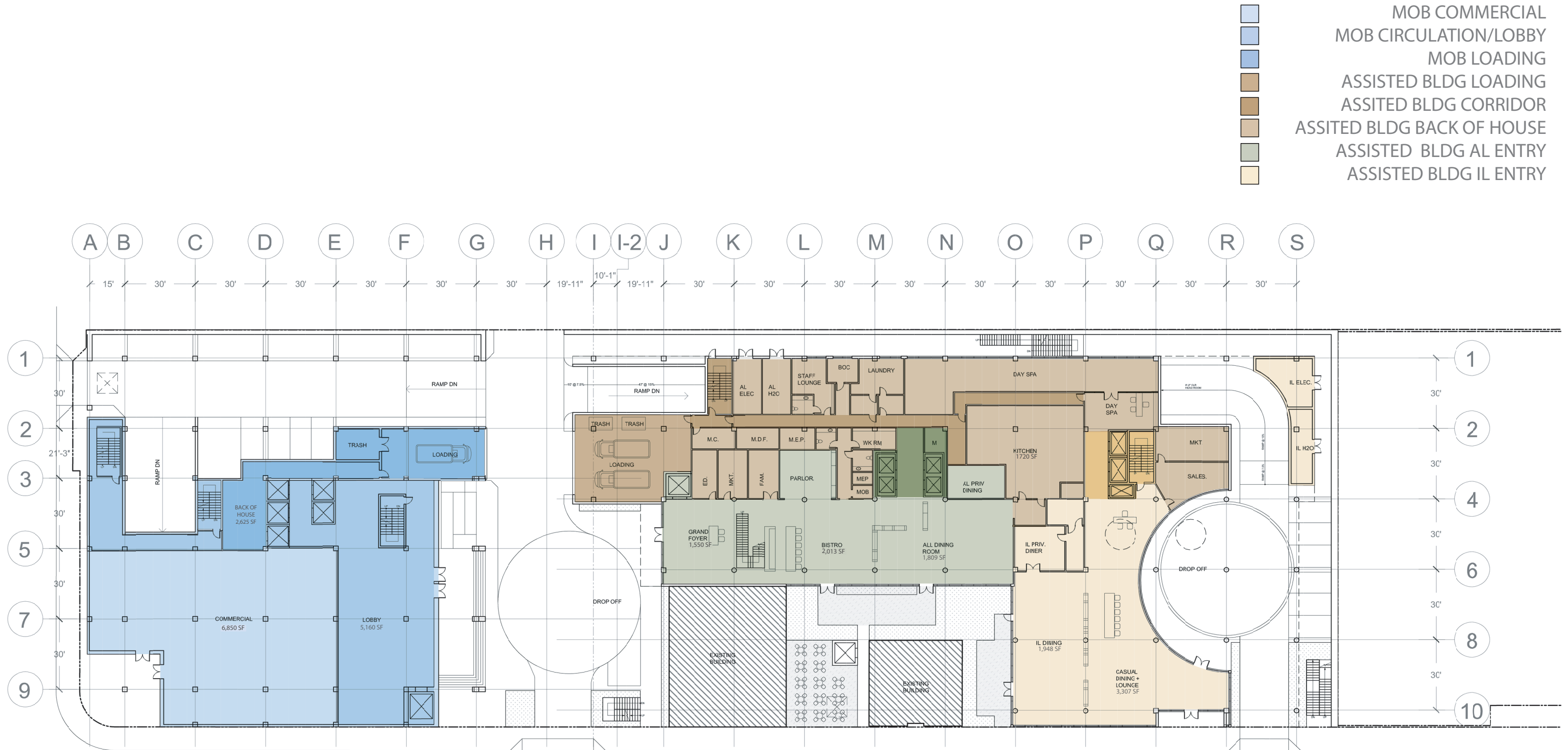
Source: Adept 2021

Exhibit 2-4



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First (Ground) Level Plan

Affinity Project



Map not to scale

Source: Adept 2021

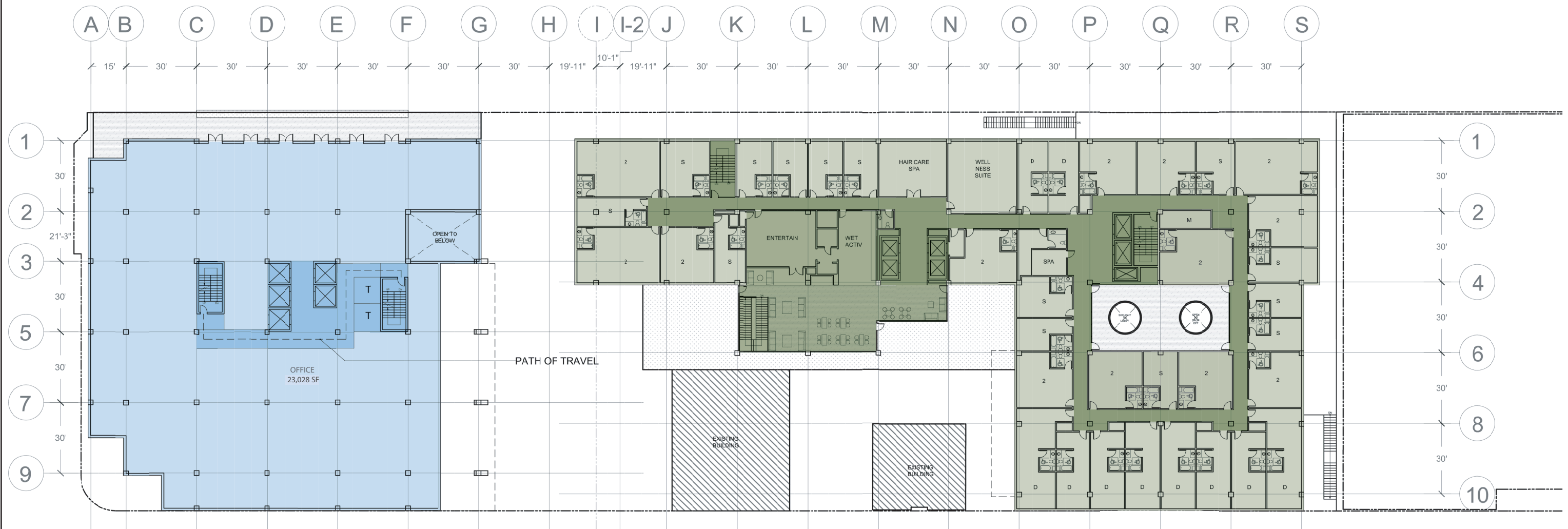
Exhibit 2-5



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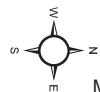
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- MOB OFFICE
- MOB CIRCULATION
- ASSITED BLDG AL COMMON SPACE
- ASSITED BLDG AL CIRCULATION
- ASSISTED BLDG AL LIVING UNITS



Level 2 Plan

Affinity Project



Map not to scale

Source: Adept 2021

Exhibit 2-6



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- MOB OFFICE
- MOB CIRCULATION
- ASSITED BLDG AL COMMON SPACE
- ASSITED BLDG AL CIRCULATION
- ASSISTED BLDG AL LIVING UNITS



Level 3 Plan

Affinity Project



Map not to scale

Source: Adept 2021

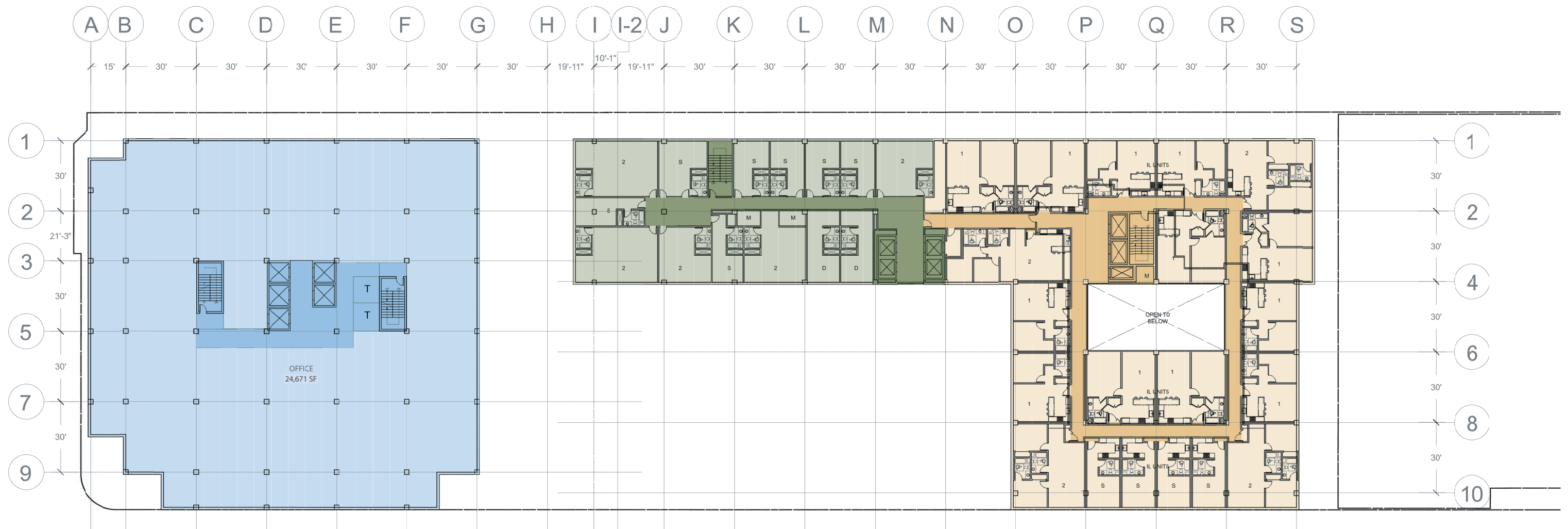
Exhibit 2-7



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- MOB OFFICE
- MOB CIRCULATION
- ASSITED BLDG AL CIRCULATION
- ASSISTED BLDG AL LIVING UNITS
- ASSISTED BLDG IL CIRCULATION
- ASSISTED BLDG IL LIVING UNITS



Level 4 Plan

Affinity Project



Map not to scale

Source: Adept 2021

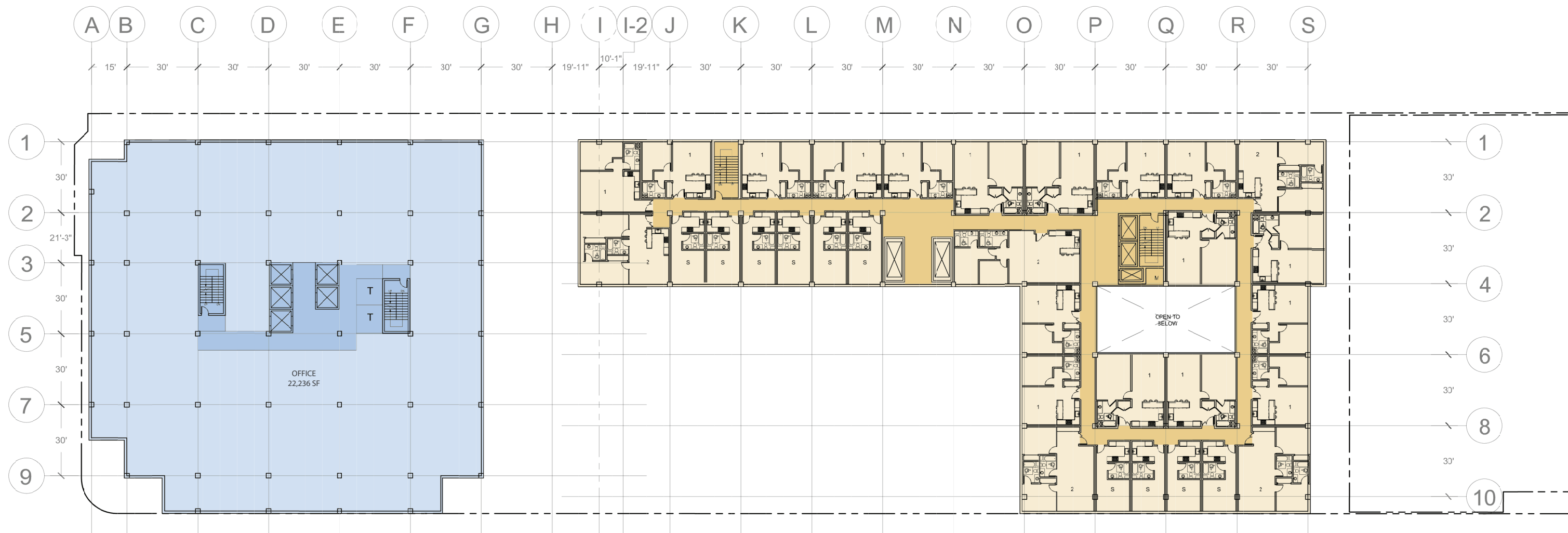
Exhibit 2-8



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- MOB OFFICE
- MOB CIRCULATION
- ASSISTED BLDG IL CIRCULATION
- ASSISTED BLDG IL LIVING UNITS



Level 5 Plan

Affinity Project



Map not to scale

Source: Adept 2021

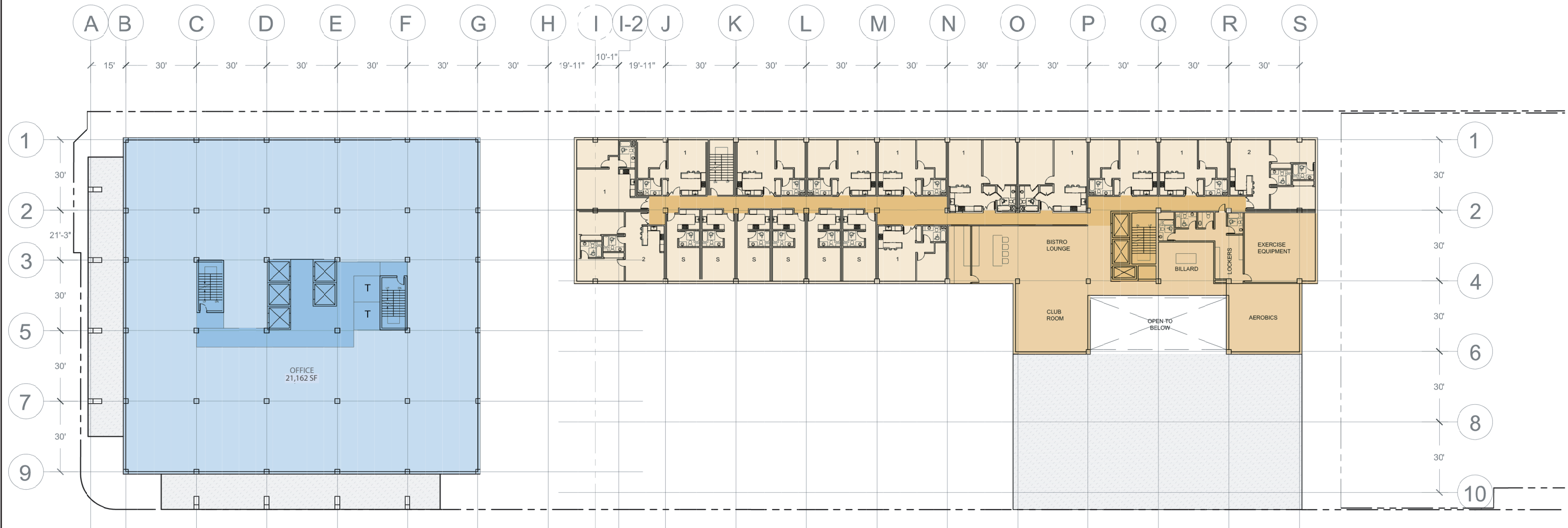
Exhibit 2-9



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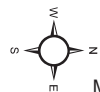
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- MOB OFFICE
- MOB CIRCULATION
- ASSISTED BLDG IL CIRCULATION
- ASSISTED BLDG IL COMMON SPACE
- ASSISTED BLDG IL LIVING UNITS



Level 6 Plan

Affinity Project



Map not to scale

Source: Adept 2021

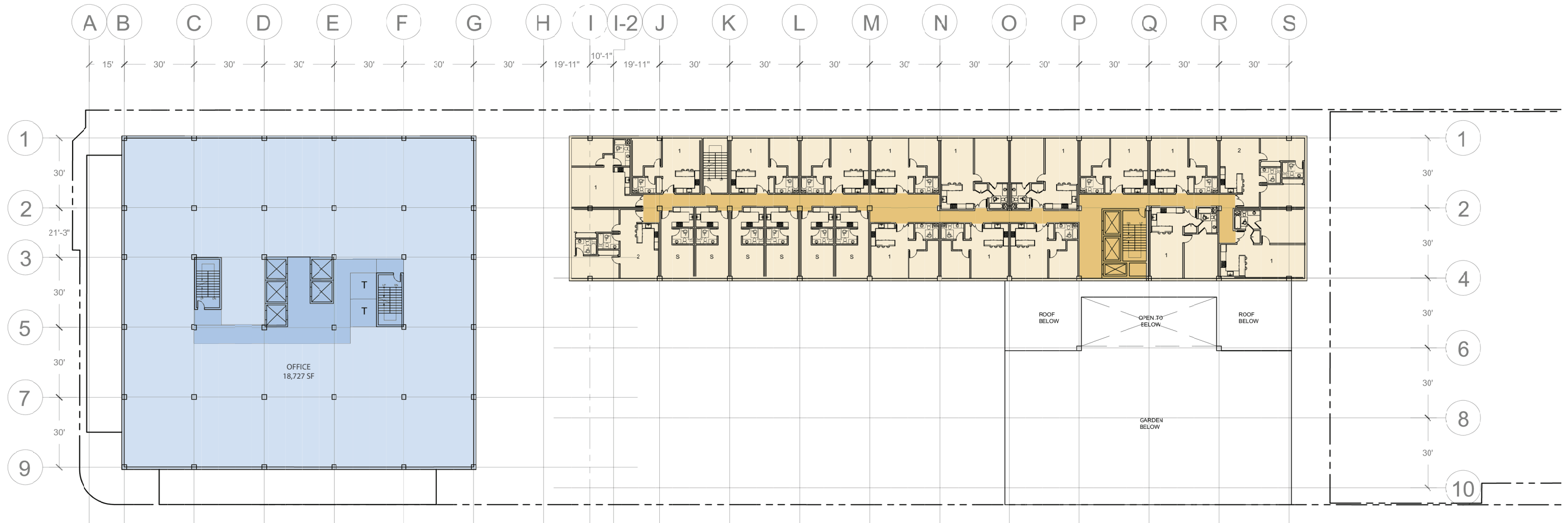
Exhibit 2-10



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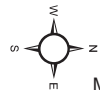
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- MOB OFFICE
- MOB CIRCULATION
- ASSISTED BLDG IL CIRCULATION
- ASSISTED BLDG IL LIVING UNITS



Level 7 Plan

Affinity Project



Map not to scale

Source: Adept 2021

Exhibit 2-11



(02/04/2021 RMB) R:\Projects\IPAS_Pasaden\3PAS\012100\Graphics\ex_level7_plan.pdf

**TABLE 2-3
SUMMARY OF PROPOSED LAND USES**

Existing Buildings to Remain		
Address	Use	Floor Area (Gross sf)
465 South Arroyo Parkway	Whole Foods Market	73,671 sf
501 South Arroyo Parkway (historic)	Gold Line Pilates	2,880 sf
523 South Arroyo Parkway (historic)	Town & Country Event Rentals	3,002 sf
<i>Total Square Footage</i>		<i>79,553 sf</i>
Parking (Whole Foods Structure)		275 spaces / 2 loading spaces
Project Development		
	Floor Area (Gross sf)	
	Medical Office Building (A)	Assisted Living Building (B)
Basement/Subterranean Levels	415,063	
Ground	14,635	25,377
2 nd	23,028	31,269
3 rd	26,671	29,107
4 th	26,671	29,107
5 th	26,671	29,107
6 th	21,162	21,299
7 th	21,162	19,110
Total Gross Square Footage	154,000 (Aboveground)	184,376 (Aboveground)
	753,439 (Including five subterranean levels spanning both buildings)	
Parking	Up to 850 spaces	
Total Aboveground Built Area (Existing + Proposed)	417,929	
Building Outline/Site Coverage	99,224 sf / 68 percent	
Proposed FAR	2.89	
Open Space	8,676	22,929
Project with Building A Residential/Commercial Development		
	Floor Area (Gross sf)	
	Residential/Commercial Building (A)	Assisted Living Building (B)
Differences from Project Scenario	Up to 197 dwelling units & 3,000 sf of ground-floor commercial	Same as Project
Total Square Footages	154,000 (Aboveground)	184,376 (Aboveground)
	670,427 (Including four subterranean levels spanning both buildings) ^a	
Parking	Up to 650 spaces	
Total Aboveground Built Area (Existing + Proposed)	417,929	
Building Outline/Site Coverage	99,224 sf / 68 percent	
Proposed FAR	2.89	
Open Space	8,676	22,929
^a Reflects one less subterranean parking level, all other floor area sizes are the same sf: square feet; N/A: not applicable; FAR: floor area ratio		

Design and Architecture

Exhibit 2-12, East and North Elevations, shows elevations of the Project from the east (Arroyo Parkway) and the north (Bellevue Drive); and Exhibit 2-13, West and South Elevations, shows elevations of the Project from the west (Gold Line tracks) and the south (California Boulevard). These elevations illustrate the massing and relative height of the proposed buildings among the existing buildings on the site to be retained and the adjacent streets and light rail line. The building configuration is further illustrated in the north-south cross-section presented on Exhibit 2-14, Cross Section (North-South). This shows a section of the Project as though viewing from South Arroyo Parkway, with the medical office building on the far left and the Whole Foods Market on the far right. The maximum building heights for the Project to the top of parapet, not including appurtenances, would range from 90 feet 6 inches to 93 feet 6 inches above ground level, as shown on Exhibits 2-12 through 2-14. As shown, portions of the Project step down in height, ranging approximately between 29 feet and 77 feet 6 inches in height, not including appurtenances. Consistent with the site zoning, roof mounted appurtenances covering not more than 25 percent of the roof area may exceed the established height limit by a maximum of 15 feet. As defined by the City, roof mounted appurtenances may include a tower, spire, cupola, chimney, penthouse, water tank, or other similar structures that are attached to a structure and not intended for human occupancy.

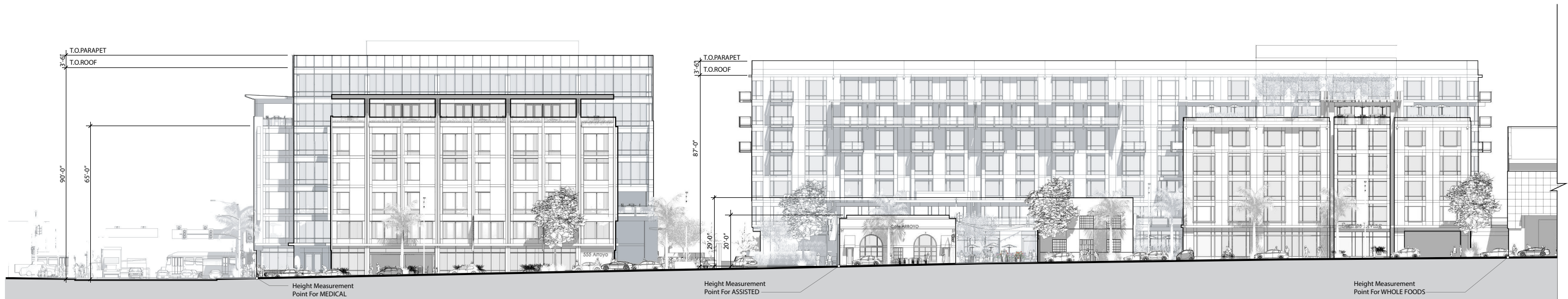
A shadow study was prepared by the Applicant to determine whether the proposed buildings would adversely affect the solar access of surrounding land uses. Specifically, Section 17.40.090(D) of the Pasadena Municipal Code (PMC) states:

Solar access. No structure shall be established or enlarged unless it has been reviewed by the Zoning Administrator for its effect on solar access to existing and future solar applications on adjacent properties subject to the following findings:

1. There are no conditions, covenants, and restrictions existing or proposed that are adverse to solar energy systems;
2. Solar access has been addressed within the context of any required Environmental Impact Report; and
3. The proposed structure will not prohibit or unreasonably restrict the use of solar energy systems on adjacent properties.

Exhibit 2-15, Affinity Project Shadow Study, illustrates the anticipated shade generated by the proposed buildings at 10:00 AM and 2:00 PM on both the Summer solstice (longest day of the year) and Winter equinox (shortest day of the year). As shown, at the Summer solstice the shade generated is limited to overlapping the public right-of-way (ROW) to the east and west. As expected, at the Winter equinox, the shade generated extends a greater distance to the north, east, and west. To the north and east, it extends only onto public ROW. To the west, in the morning hours the shade would extend to slightly overlap the rear of some of the existing structures facing South Raymond Avenue. These include the KPCC/Southern California Public Radio buildings at 474 South Raymond Avenue and the Self-Storage and U-Haul business at 552 South Raymond Avenue. Neither of these businesses depend on sun/solar access for their operations nor are there open areas for employee or visitor use near the rear of these buildings. Most importantly, there is abundant flat roof area remaining beyond the limited shade generated during a portion of the year for both businesses to implement solar energy systems, should it be desired in the future. Therefore, the Project would not prohibit or unreasonably restrict the use of solar energy systems on adjacent structures.

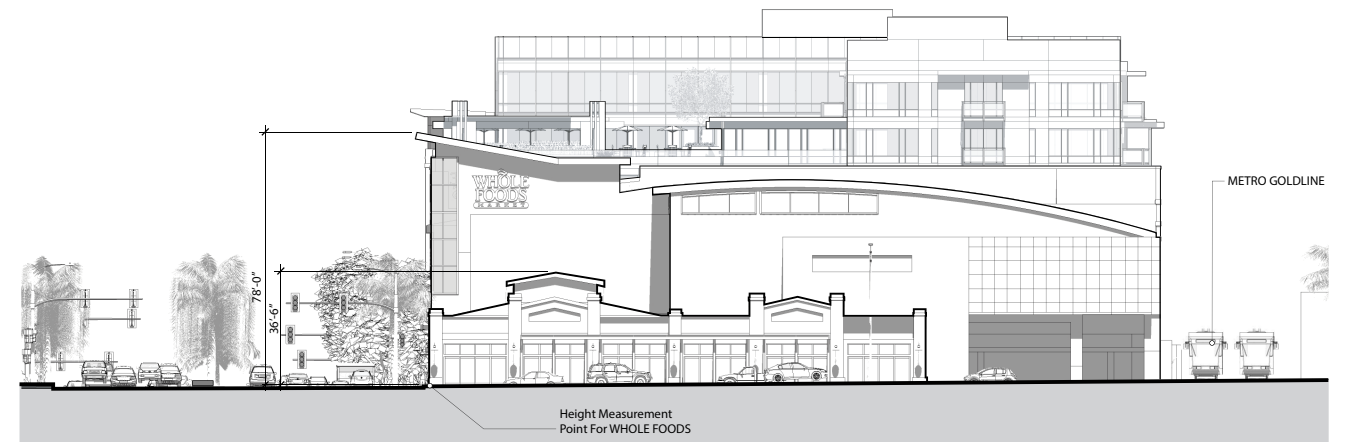
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East Elevation



East Elevation Continue



North Elevation

East and North Elevations

Affinity Project



Map not to scale

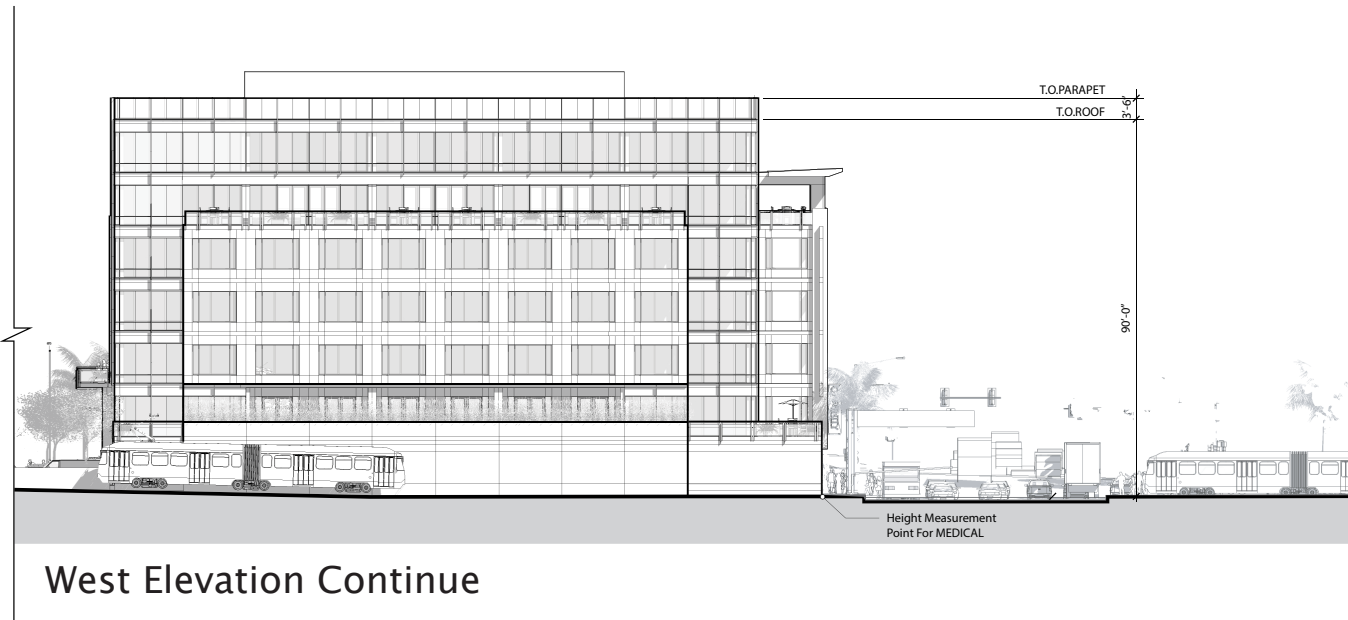
Source: Adept 2021

Exhibit 2-12



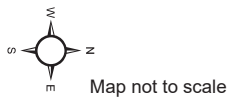
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West and South Elevations

Affinity Project



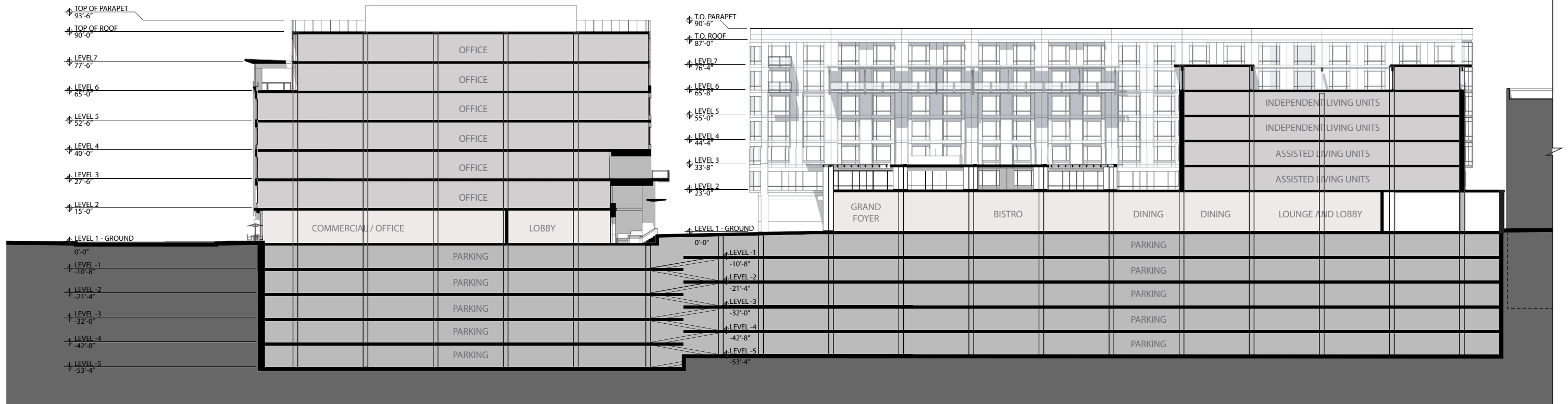
Source: Adept 2021

Exhibit 2-13



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Cross Section (North-South)

Affinity Project



Map not to scale

Source: Adept 2021

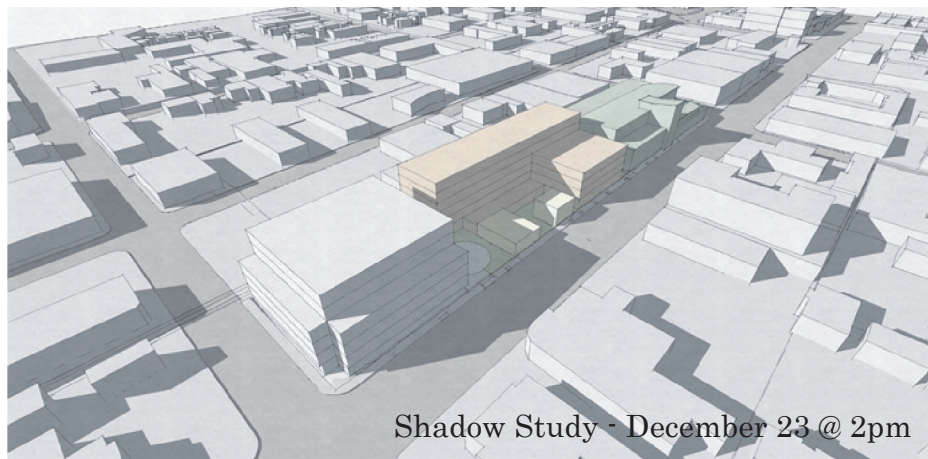
Exhibit 2-14



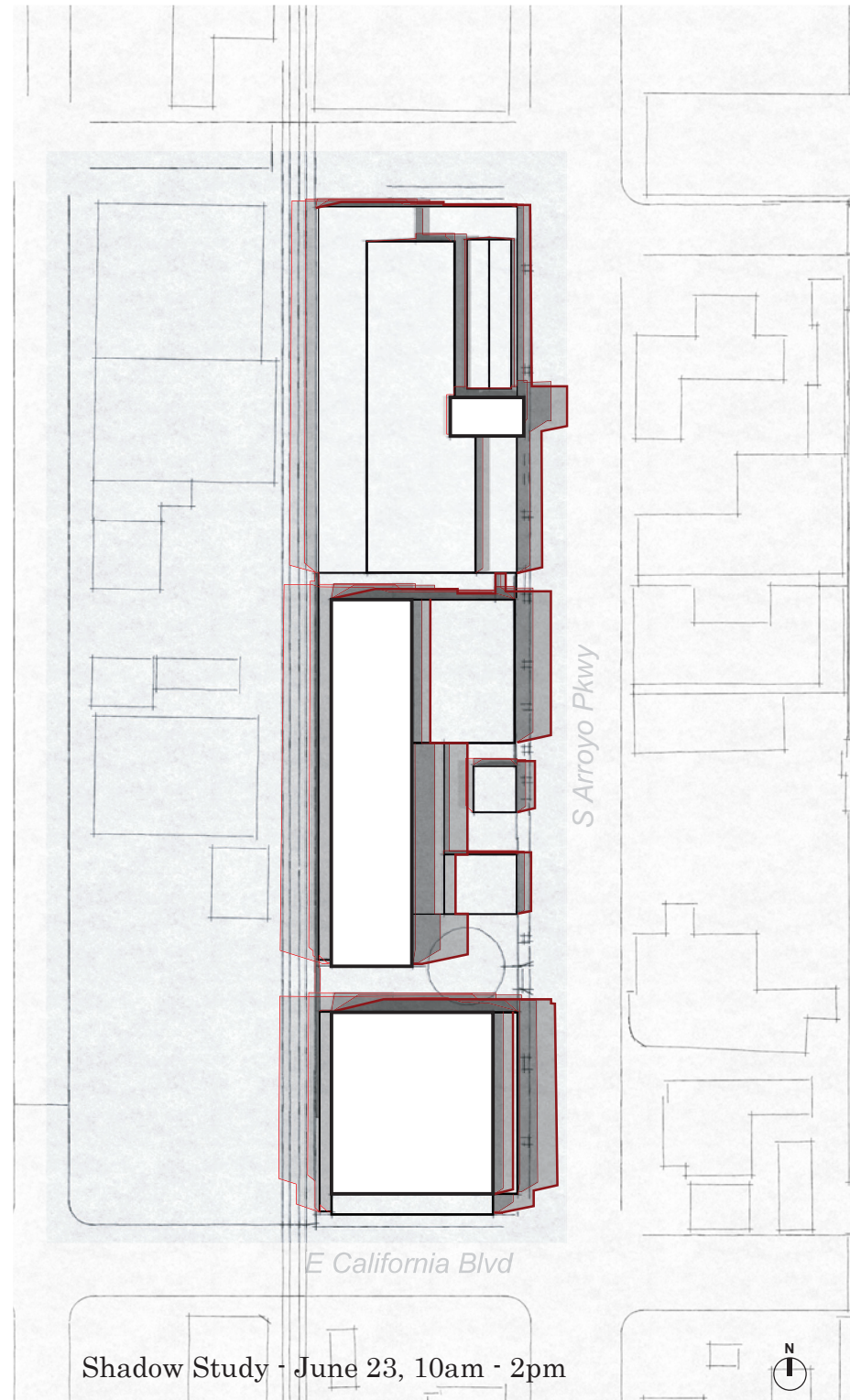
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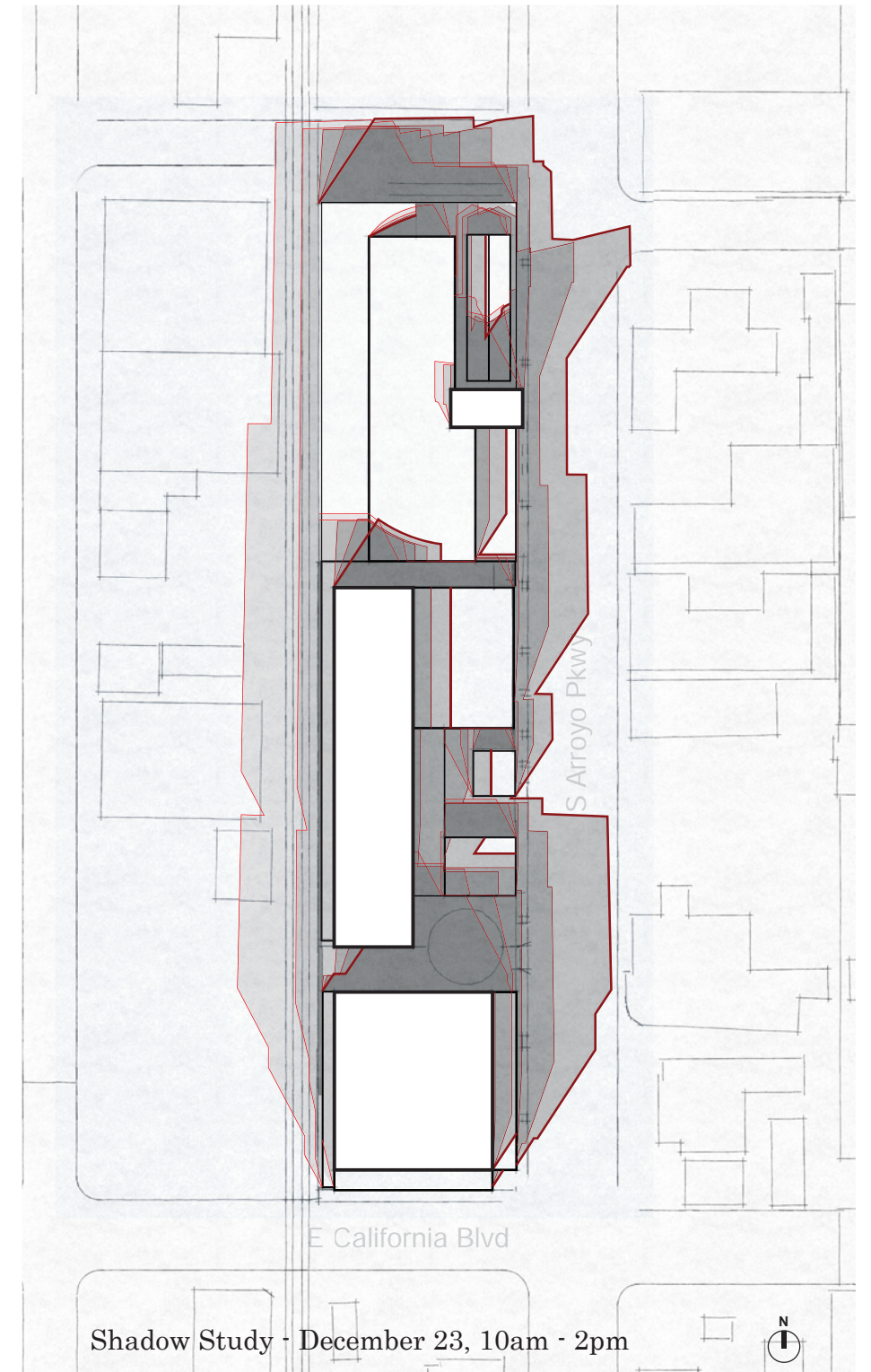
Shadow Study - June 23 @ 2pm



Shadow Study - December 23 @ 2pm



Shadow Study - June 23, 10am - 2pm



Shadow Study - December 23, 10am - 2pm

Affinity Project Shadow Study

Affinity Project

Source: Adept 2021

Exhibit 2-15



The proposed building facades incorporate numerous window openings to provide views and to avoid blank, massive-looking building faces. The facades would also be articulated with patios, window shades, and varying surface treatments to provide variation and break up the surface of the buildings. Portions of both the proposed buildings would be set back from the widest part of the building envelope and some portions of the buildings would extend only to Level 4 and Level 6. Additionally, the ground floor would be slightly taller than the remaining levels, at 15 feet high. This would act to differentiate the ground floor and, combined with some unique architectural features for this level, create a human-scale and pedestrian-friendly environment. The assisted living building would have a steel stud exterior wall clad with a combination of textured face brick and smooth plaster or precast concrete accents. Trellises and balcony railings would be painted steel with a cement fiber composite soffit and sealed concrete decking. Glazing would be factory finished aluminum or steel operable frames with bronze-, gray-, or green-tinted thermal glass and spandrel glass at floors and vision glass heads. Exterior decks would be a double slab construction with paver tiles. The medical office building would have a combination of aluminum frame glass curtain wall and steel stud exterior wall clad with a mixture of textured face brick and smooth plaster or glass fiber reinforced concrete precast accents on the lower floors of the building. Glazing would be a factory finished aluminum structural silicone glazing system with bronze-, gray-, or green-tinted thermal glass and spandrel glass at floors and vision glass heads. Exterior decks would be a double slab construction with paver tiles. The Project proposes to maintain visual continuity through the consistent application of high-quality building, landscape, and hardscape design and materials. Only non-reflective building materials would be used.

Under the Project with Building A Residential/Commercial, the setbacks, scale, massing, and other aspects of the architectural design would be the same as discussed for the Project with the medical office building.

The existing historic structures at 501 and 523 South Arroyo Parkway would be preserved in place. Specific future tenant improvement plans for these historical resources on the Project site are still in the conceptual phase as of the preparation of this Draft EIR. However, the plans do not anticipate demolishing, moving, or making major alterations to these structures. Proposed tenant improvements to the exterior of these two structures would be reviewed by an architectural historian meeting the Secretary of the Interior's Professional Qualifications Standards for architectural history or historic architecture. Specifically, these plans shall be reviewed by the qualified architectural historian for consistency with the Secretary of the Interior's Standards for the Treatment of Historic Properties.

As noted in Section 2.5 further below, the Project, or Project with Building A Residential/Commercial, would be required to undergo the Design Review process. The Design Review considers factors such as compatibility with surroundings, massing, proportion, siting, void-to-void relationships, and compliance with applicable design guidelines.

Landscape, Hardscape, and Lighting

Approximately 31,605 sf of open space, including public and private (for solely resident and staff use space), would be provided across the site for both the Project and Project with Building A Residential/Commercial scenarios. As discussed previously, the Project would result in the removal of 23 non-protected non-native trees on the Project site and 2 protected, non-native street trees. As shown on Exhibit 2-16a, Conceptual Landscape Plan, the Project would include a total of 25 trees in above-grade planters within the site. The 15 remaining protected street trees would be protected in place during construction and remain after the Project is implemented. As discussed in Section 2.4, Biological Resources, of the Initial Study, the Urban Forestry section of the City's Public Works Department typically requires a fee, dependent on the size of the tree(s) being removed, to be remitted into the City's street tree fund. For the Project, a planned condition of approval calls for planting of one new street tree along both Arroyo Parkway and California

Boulevard. The Project would also include a total of 25 trees in above-grade planters within the site.

Exhibits 2-16b through 2-16e present the conceptual landscape plan for Levels 1 through 6. As shown, each level of the Project would include placement of drought-tolerant species of ornamental trees, shrubs, and groundcovers near outdoor seating areas and passages on the ground level and on above-ground building levels. Regarding the creation of a heat island and/or increase of the local heat index, the Project would result in at worst a neutral contribution to the heat index in the area. Heat islands are created by a combination of heat-absorbing surfaces (such as dark pavement and roofing), heat-generating activities (such as engines and generators), and the absence of vegetation (which provides evaporative cooling).

It is noted that of the 23 on-site trees to be removed, 19 are queen palms (*Syagrus romanzoffiana*), which provide little shade. They do provide some measure of evaporative cooling, which can help offset the heat index, but not at ground level. Additionally, the site currently contributes to the urban heat island effect by consisting almost entirely of asphalt or concrete surface and buildings. The hydrology study prepared for the Project (and provided as Appendix C of the Initial Study) assessed that the site is currently 97 percent impervious surface area. With implementation of the Project, the site would be 98 percent ground-level impervious surface area. However, with the Project there is a net increase in vegetation on the site compared to the existing condition, with landscaping at the ground level and on levels 2, 3, and 6. All vegetation, whether in ground or planters, provides evaporative cooling. Under the Project with Building A Residential/Commercial, the landscape (including tree removal and planting), hardscape, and lighting would be the same as that discussed for the Project.

Project Circulation, Access, and Parking

As shown on Exhibit 2-5, the Project uses south of Whole Foods Market would have three ingress/egress points, one on California Boulevard and two on South Arroyo Parkway. Two circular drop-off areas would be constructed, with one situated on the north side of each proposed building. Under the Project, a total of 5 levels of subterranean parking with up to 850 parking spaces would be constructed to serve the proposed land uses and the existing structures at 501 and 523 South Arroyo Parkway. The ingress/egress on East Bellevue Drive to the 275-space Whole Foods Market parking structure would remain and continue serving the grocery store; this parking structure would be entirely separated from the proposed parking structure.

Under the Project with Building A Residential/Commercial, the circulation and access would be the same as that discussed for the Project. As noted above, this scenario would provide 200 fewer parking spaces with one less level of subterranean parking when compared to the Project.

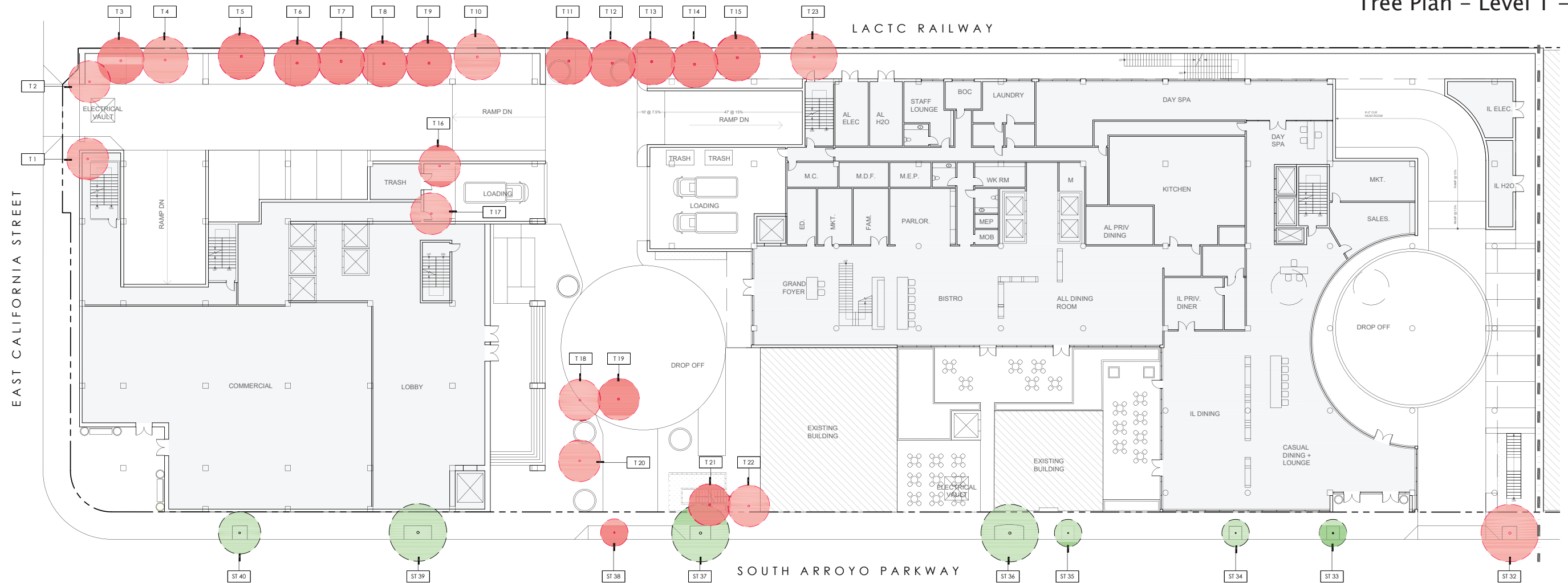
Utilities

Wet and dry utilities are currently provided to the Project site and surrounding area by various providers, as listed below. The agencies responsible for these services are in parentheses:

- Water facilities (Pasadena Water and Power [PWP]);
- Wastewater facilities (Los Angeles County Sanitation Districts and City of Pasadena Department of Public Works);
- Storm drain facilities (Los Angeles County Flood Control District and City of Pasadena Department of Public Works);
- Electricity (Southern California Edison); and
- Natural Gas (Southern California Gas Company).

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Tree Plan – Level 1 – Ground



EXISTING SITE TREES						EXISTING SITE TREES CONTINUED					
- NUMBERS CORRESPOND TO ARBORISTS REPORT & TREE PLAN - PLEASE SEE ARBORIST REPORT & PLAN FOR ADDITIONAL INFORMATION						- NUMBERS CORRESPOND TO ARBORISTS REPORT & TREE PLAN - PLEASE SEE ARBORIST REPORT & PLAN FOR ADDITIONAL INFORMATION					
TAG	BOTANICAL NAME	COMMON NAME	SIZE DBH "	DISPOSITION	REPLACEMENT RATIO	TAG	BOTANICAL NAME	COMMON NAME	SIZE DBH "	DISPOSITION	REPLACEMENT RATIO
T 1	SYAGRUS ROMANZOFFIANA	QUEEN PALM	BT 20'	REMOVE	2 EA - 36" BOX	T 18	SYAGRUS ROMANZOFFIANA	QUEEN PALM	BT 17'	REMOVE	1 EA - 36" BOX
T 2	SYAGRUS ROMANZOFFIANA	QUEEN PALM	BT 15'	REMOVE	1 EA - 36" BOX	T 19	SYAGRUS ROMANZOFFIANA	QUEEN PALM	BT 17'	REMOVE	1 EA - 36" BOX
T 3	SYAGRUS ROMANZOFFIANA	QUEEN PALM	BT 15'	REMOVE	1 EA - 36" BOX	T 20	SYAGRUS ROMANZOFFIANA	QUEEN PALM	BT 17'	REMOVE	1 EA - 36" BOX
T 4	SYAGRUS ROMANZOFFIANA	QUEEN PALM	BT 20'	REMOVE	2 EA - 36" BOX	T 21	PINUS CANARIENSIS	CANARY ISLAND PINE	20.8	REMOVE	2 EA - 36" BOX
T 5	SYAGRUS ROMANZOFFIANA	QUEEN PALM	BT 15'	REMOVE	1 EA - 36" BOX	T 22	PINUS CANARIENSIS	CANARY ISLAND PINE	17.4	REMOVE	0
T 6	SYAGRUS ROMANZOFFIANA	QUEEN PALM	BT 20'	REMOVE	2 EA - 36" BOX	T 23	CARYA ILLINOINENSIS	PECAN	5.5	REMOVE	0
T 7	SYAGRUS ROMANZOFFIANA	QUEEN PALM	BT 15'	REMOVE	1 EA - 36" BOX	TOTAL NUMBER OF REPLACEMENT TREES REQUIRED					26 EA - 36" BOX
T 8	SYAGRUS ROMANZOFFIANA	QUEEN PALM	BT 15'	REMOVE	1 EA - 36" BOX						
T 9	SYAGRUS ROMANZOFFIANA	QUEEN PALM	BT 15'	REMOVE	1 EA - 36" BOX						
T 10	SYAGRUS ROMANZOFFIANA	QUEEN PALM	BT 15'	REMOVE	1 EA - 36" BOX						
T 11	SYAGRUS ROMANZOFFIANA	QUEEN PALM	BT 15'	REMOVE	1 EA - 36" BOX						
T 12	SYAGRUS ROMANZOFFIANA	QUEEN PALM	BT 20'	REMOVE	2 EA - 36" BOX						
T 13	SYAGRUS ROMANZOFFIANA	QUEEN PALM	BT 15'	REMOVE	1 EA - 36" BOX						
T 14	SYAGRUS ROMANZOFFIANA	QUEEN PALM	BT 15'	REMOVE	1 EA - 36" BOX						
T 15	SYAGRUS ROMANZOFFIANA	QUEEN PALM	BT 15'	REMOVE	1 EA - 36" BOX						
T 16	SYAGRUS ROMANZOFFIANA	QUEEN PALM	BT 20'	REMOVE	2 EA - 36" BOX						
T 17	AFROCARPUS FALCATUS	AFRICAN FERN PINE	4.3, 7.3 & 7.4	REMOVE	0						

EXISTING STREET TREES						- NUMBERS CORRESPOND TO ARBORISTS REPORT & TREE PLAN - PLEASE SEE ARBORIST REPORT & PLAN FOR ADDITIONAL INFORMATION					
TAG	BOTANICAL NAME	COMMON NAME	SIZE DBH "	DISPOSITION	REPLACEMENT RATIO						
ST 24	CINNAMOMUM CAMPHORA	CAMPHOR TREE	4.6	PROTECT IN PLACE	-						
ST 25	FICUS BENJAMINA	WEeping FIG	3, 3.5	PROTECT IN PLACE	-						
ST 26	PHOENIX DACTYLIFERA	DATE PALM	BT 20'	PROTECT IN PLACE	-						
ST 27	AFROCARPUS FALCATUS	AFRICAN FERN PINE	18.9	PROTECT IN PLACE	-						
ST 28	AFROCARPUS FALCATUS	AFRICAN FERN PINE	1	PROTECT IN PLACE	-						
ST 29	PHOENIX DACTYLIFERA	DATE PALM	BT 25'	PROTECT IN PLACE	-						
ST 30	PHOENIX DACTYLIFERA	DATE PALM	BT 25'	PROTECT IN PLACE	-						
ST 31	PHOENIX DACTYLIFERA	DATE PALM	BT 25'	PROTECT IN PLACE	-						
ST 32	AFROCARPUS FALCATUS	AFRICAN FERN PINE	21.5	REMOVE	-						
ST 33	PHOENIX DACTYLIFERA	DATE PALM	BT 25'	PROTECT IN PLACE	-						
ST 34	AFROCARPUS FALCATUS	AFRICAN FERN PINE	3.7	PROTECT IN PLACE	-						
ST 35	AFROCARPUS FALCATUS	AFRICAN FERN PINE	1	PROTECT IN PLACE	-						
ST 36	AFROCARPUS FALCATUS	AFRICAN FERN PINE	20.2	PROTECT IN PLACE	-						
ST 37	AFROCARPUS FALCATUS	AFRICAN FERN PINE	15.2	PROTECT IN PLACE	-						
ST 38	PHOENIX DACTYLIFERA	DATE PALM	BT 20'	REMOVE	-	1 STREET TREE SPECIES PER CITY OF PASADENA					
ST 39	AFROCARPUS FALCATUS	AFRICAN FERN PINE	20	PROTECT IN PLACE	-						
ST 40	PHOENIX DACTYLIFERA	DATE PALM	BT 25'	PROTECT IN PLACE	-						
TOTAL NUMBER OF REPLACEMENT STREET TREES REQUIRED					1 EA - 36" BOX						

Source: Adept 2021

Conceptual Landscape Plan

Affinity Project



Map not to scale

Exhibit 2-16a

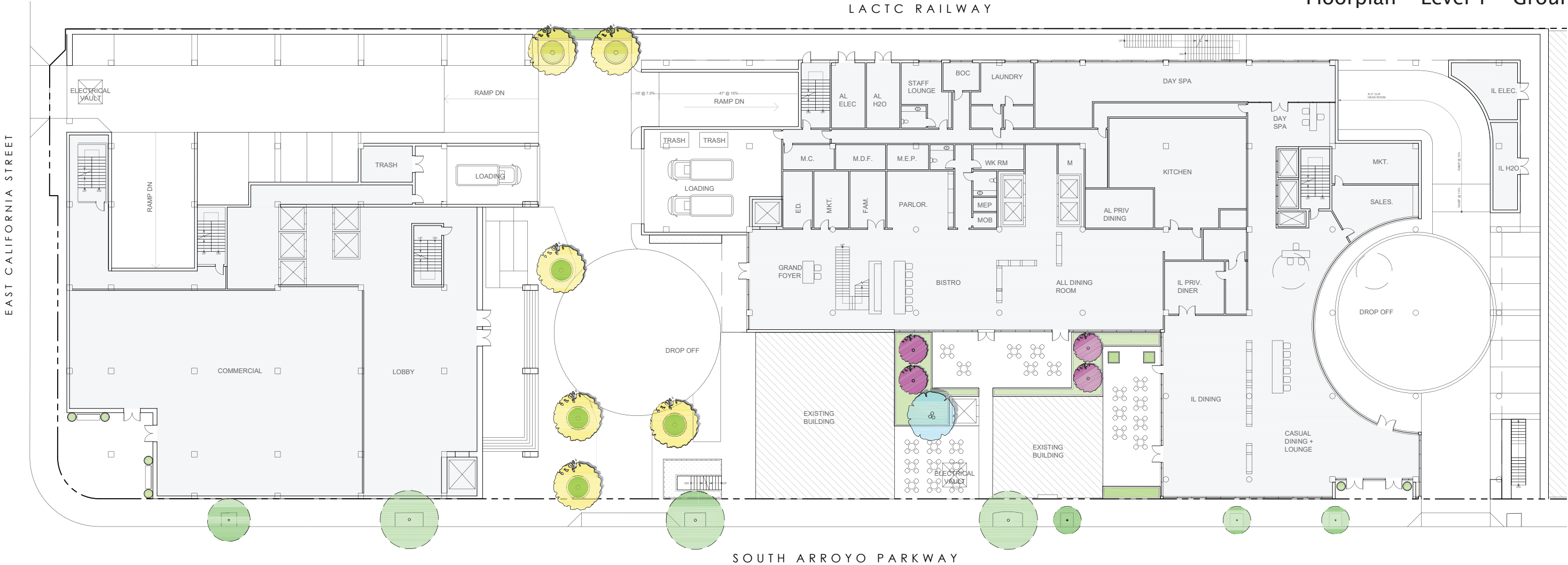









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Floorplan – Level 1 – Ground

LACTC RAILWAY



PLANT MATERIAL LEGEND					
SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	QUANTITY	WUCOLS REG 4
	CERCIS OCCIDENTALIS	WESTERN REDBUD	36" BOX	4	LOW
	OLEA EUROPAEA 'SWAN HILL'	SWAN HILL FRUITLESS OLIVE	60" BOX	1	LOW
	TIPUANA TIPU	TIPU TREE	36" BOX	6	MODERATE
	ANIGOZANTHOS 'ORANGE CROSS'	ORANGE KANGAROO PAW	1 GAL	-	LOW
	CUPRESSUS ARIZONICA 'GLAUCA'	ARIZONA BLUE CYPRESS	15 GAL	-	VERY LOW
	LANTANA MONTIVIDENSIS	TRAILING LANTANA	1 GAL	-	LOW
	LEUCADENDRON SAFARI 'GOLD STRIKE'	YELLOW CONEBUSH	5 GAL	-	LOW
	LOROPETALUM CHINENSE 'CHINA PINK'	CHINA PINK FRINGE FLOWER	5 GAL	-	MODERATE



CERCIS OCCIDENTALIS | WESTERN REDBUD



OLEA EUROPAEA 'SWAN HILL' | SWAN HILL FRUITLESS OLIVE



TIPUANA TIPU | TIPU TREE



ANIGOZANTHOS 'ORANGE CROSS' ORANGE KANGAROO PAW



CUPRESSUS ARIZONICA 'GLAUCA' | BLUE ARIZONA CYPRESS



LANTANA MONTIVIDENSIS | TRAILING LANTANA



LEUCADENDRON SAFARI 'GOLD STRIKE' | YELLOW CONEBUSH



LOROPETALUM CHINENSE 'CHINA PINK' | CHINA PINK FRINGE FLOWER

Source: Adept 2021

Conceptual Landscape Plan

Affinity Project




Map not to scale

Exhibit 2-16b



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PLANT MATERIAL LEGEND					
SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	QUANTITY	WUCOLS REG 4
	CHILOPSIS LINEARIS 'BURGUNDY'	BURGUNDY DESERT WILLOW	36" BOX	3	LOW
	GINKGO BILOBA 'AUTUMN GOLD'	AUTUMN GOLD GINKGO TREE	36" BOX	3	MODERATE
	BULBINE FRUTESCENS 'HALLMARK'	ORANGE STALKED BULBINE	1 GAL	-	LOW
	CALLISTEMON 'LITTLE JOHN'	LITTLE JOHN BOTTLEBRUSH	5 GAL	-	LOW
	LEUCOPHYLLUM FRUTESCENS	TEXAS SAGE	5 GAL	-	LOW
	LEUCADENDRON 'SAFARI SUNSET'	SAFARI SUNSET CONEBUSH	15 GAL	-	MODERATE
	LIRIOPE 'PURPLE EXPLOSION'	PURPLE EXPLOSION LILYTURF	5 GAL	-	MODERATE
	NASSELLA TENUISSIMA	MEXICAN FEATHER GRASS	1 GAL	-	LOW



CHILOPSIS LINEARIS 'BURGUNDY' | BURGUNDY DESERT WILLOW



GINKGO BILOBA 'AUTUMN GOLD' | AUTUMN GOLD GINKGO



BULBINE FRUTESCENS 'HALLMARK' | ORANGE STALKED BULBINE



CALLISTEMON 'LITTLE JOHN' | LITTLE JOHN BOTTLEBRUSH



LEUCOPHYLLUM FRUTESCENS | TEXAS SAGE



LEUCADENDRON 'SAFARI SUNSET' | SAFARI CONEBUSH



LIRIOPE 'PURPLE EXPLOSION' | PURPLE EXPLOSION LILYTURF



NASSELLA TENUISSIMA | MEXICAN FEATHER GRASS

Source: Adept 2021

Conceptual Landscape Plan

Affinity Project





Map not to scale

Exhibit 2–16c





PLANT MATERIAL LEGEND					
SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	QUANTITY	WUCOLS REG 4
	BRAHEA ARMATA	BLUE HESPER PALM	36" BOX	5	LOW
	ALOE ARBORESCENS	TORCH ALOE	15 GAL	-	LOW
	EREMOPHILA GLABRA	BLUE HORIZON	1 GAL	-	LOW
	FURCRAEA FOETIDA 'MEDIOPICTA'	-	15 GAL	-	LOW
	HESPERALOE PARVIFLORA	RED YUCCA	5 GAL	-	LOW
	LEPTOSPERMUM SCOPARIUM	NEW ZEALAND TEA TREE	15 GAL	-	LOW
	SENECIO SERPENS	BLUE CHALK STICKS	1 GAL	-	LOW
	TRADESCANTIA PALLIDA	PURPLE HEART	1 GAL	-	LOW



BRAHEA ARMATA | BLUE HESPER PALM



ALOE ARBORESCENS | TORCH ALOE



TIPUANA TIPU | TIPU TREE



FURCRAEA FOETIDA 'MEDIOPICTA'



HESPERALOE PARVIFLORA | RED YUCCA



LEPTOSPERMUM SCOPARIUM | NEW ZEALAND TEA TREE



SENECIO SERPENS | BLUE CHALK STICKS



TRADESCANTIA PALLIDA | PURPLE HEART

Source: Adept 2021

Conceptual Landscape Plan

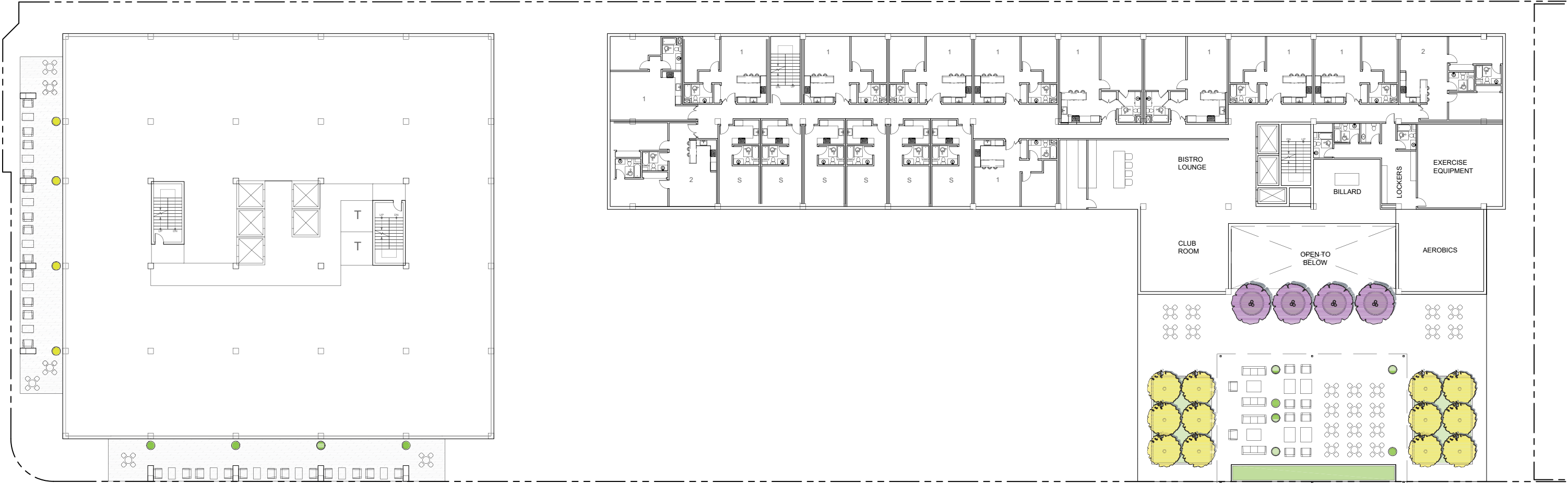
Affinity Project



Map not to scale

Exhibit 2–16d





PLANT MATERIAL LEGEND					
SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	QUANTITY	WUCOLS REG 4
	BAUHINIA VARIEGATA 'PUPUREA'	PURPLE ORCHID TREE	36" BOX	4	MODERATE
	CERCIDIUM X 'DESERT MUSEUM'	DESERT MUSEUM PALO VERDE	36" BOX	12	LOW
	ASPARAGUS DENSIFLORUS 'MEYERS'	MEYERS ASPARAGUS	5 GAL	-	MODERATE
	EUPHORBIA TURCALLI	STICKS ON FIRE	15 GAL	-	VERY LOW
	LEUCOSPERMUM 'SCARLET RIBBON'	NODDING PINCUSHION	5 GAL	-	LOW
	LEYMUS ARENARIUS 'BLUE DUNE'	BLUE DUNE LYME GRASS	1 GAL	-	LOW
	MUHLENBERGIA CAPILLARIS	PINK CLOUD MUHLI GRASS	1 GAL	-	MODERATE
	OLEA EUROPAEA 'LITTLE OLLIE'	DWARF OLIVE	15 GAL	-	LOW



BAUHINIA VARIEGATA 'PUPUREA' | PURPLE ORCHID TREE



CERCIDIUM X 'DESERT MUSEUM' | DESERT MUSEUM PALO VERDE



EUPHORBIA TURCALLI | STICKS ON FIRE



ASPARAGUS DENSIFLORUS 'MEYERS' | MEYERS ASPARAGUS



LEUCOSERMUM 'SCARLET RIBBON' | NODDING PINCUSHION



LEYMUS ARENARIUS 'BLUE DUNE' | BLUE DUNE LYME GRASS



MUHLENBERGIA CAPILLARIS | PINK CLOUD MUHLI GRASS



OLEA EUROPAEA 'LITTLE OLLIE' | DWARF OLIVE

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Conceptual Landscape Plan

Affinity Project



Map not to scale

Source: Adept 2021

Exhibit 2–16e



Existing utility infrastructure is located on site and in the surrounding roadways. Exhibits 2-17a and 2-17b, Conceptual Utility Plans, show the locations of existing wet and dry utilities and the locations of proposed connections to utilities. As shown, all connections to water and sewer utilities and all dry utilities would occur on Arroyo Parkway.

There are 2 existing, PWP, 8-inch diameter domestic water lines in Arroyo Parkway; a 6-inch diameter domestic water line in Bellevue Drive; and a 12-inch diameter domestic water line in California Boulevard. There are two existing City of Pasadena 8-inch diameter sewer lines in Arroyo Parkway and one 8-inch diameter sewer line in California Boulevard. The northern sewer line in Arroyo Parkway turns west at and connects to the line in California Boulevard; the southern line turns east.

As shown on Exhibit 2-17a, there is an existing City of Pasadena 10-foot diameter, reinforced concrete pipe (RCP) storm drain that parallels the site's eastern boundary in Arroyo Parkway. The 10-foot storm drain begins at an upstream network of storm drains beginning south of the I-210 and continues south to the City of South Pasadena. Here the pipe connects to a Los Angeles County Flood Control District (LACFCD) 10-foot diameter storm drain that outfalls into the Alhambra Wash Channel. There is an existing 45-inch diameter City-owned RCP storm drain in California Boulevard that connects to the 10-foot diameter storm drain in Arroyo Parkway. South of the 45-inch diameter storm drain is a 54-inch diameter LACFCD-owned RCP storm drain that also connects to the 10-foot diameter storm drain at Arroyo Parkway. With Project implementation, all on-site drainage would be collected in a proposed private storm drain system and treated before discharging to the soil below or Arroyo Parkway. Water quality treatment would be provided by either an infiltration system, a stormwater biofiltration system, or a combination of both. Storm water runoff would generally follow the same overall drainage pattern towards the south. Runoff would flow towards the proposed catch basins and trench drains throughout the outdoor areas. Storm water that falls onto building roofs would be collected with roof drains and routed either directly to the Project's subterranean levels for treatment or onto pavement surrounding the proposed uses.

Under the Project with Building A Residential/Commercial, the wet and dry utility infrastructure, including storm water management, would be the same as discussed for the Project.

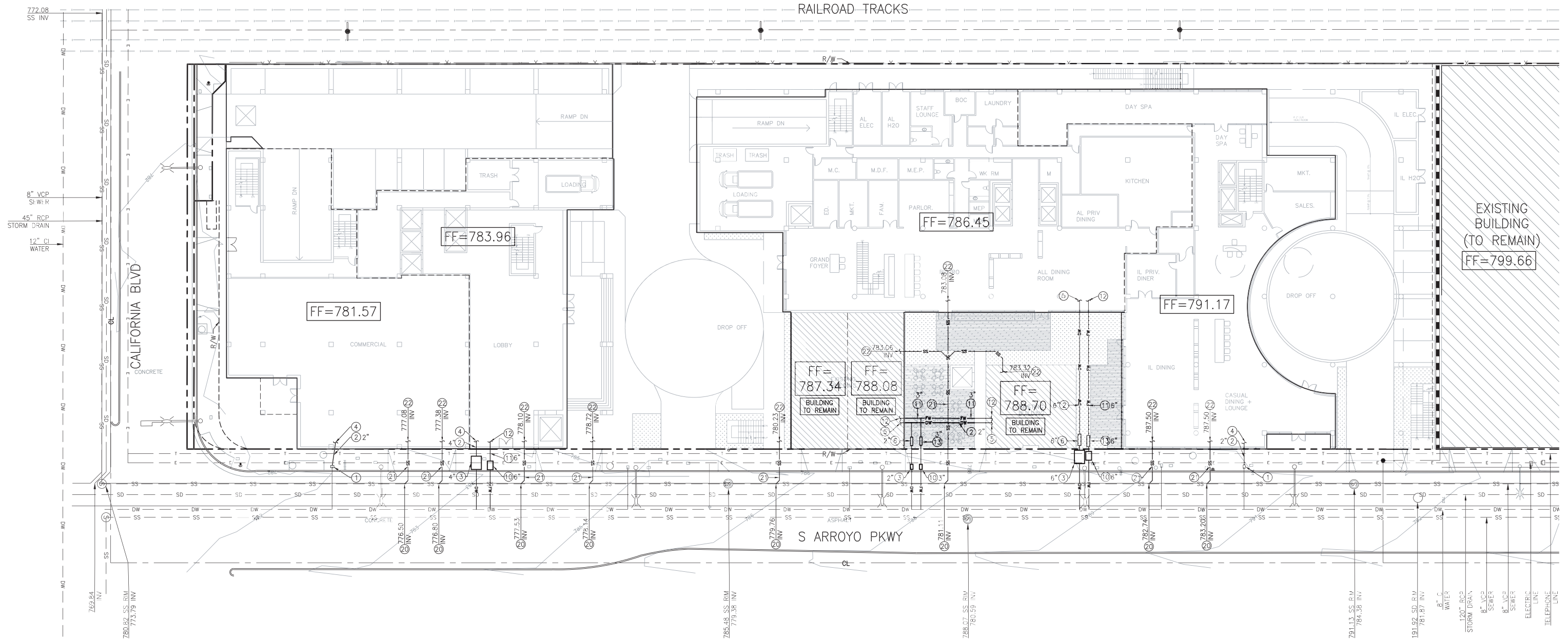
2.4.2 CONSTRUCTION SCENARIO

The Project, or Project with Building A Residential/Commercial, would be constructed beginning in 2023 over a period of approximately 34 months and would be completed in a single phase. Project construction would occur from Monday through Saturday, without activity on Sundays or holidays, between the hours defined in Section 9.36.070 (Construction Projects) of the PMC (7:00 AM to 7:00 PM Monday through Friday and 8:00 AM to 5:00 PM on Saturday).

Demolition of six of the existing buildings and other on-site improvements, such as paving, light fixtures, and signage, would generate an estimated 4,200 cubic yards (cy) of debris, generating an estimated 300 one-way haul truck trips, over the course of 2.5 months (68 workdays). This would result in an average of 4 and 5 one-way truck trips per workday. Site preparation would then generate an estimated 30 one-way truck trips over the course of 1 month (26 workdays). This would result in an average of just less than 1 truck trip per workday.

Implementation of the Project would involve the excavation and export of an estimated 184,013 cy of soil, generating an estimated 13,200 one-way truck trips, over the course of 4 months (103 workdays). The excavation is needed to accommodate the subterranean parking structure for the Project, which has maximum excavation depths between 54 and 58 feet below ground surface (bgs). This would equate to an average of 128 one-way trips per workday. These figures assume the use of 14-cy trucks.

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DOMESTIC WATER CONSTRUCTION NOTES

- ① CONTRACTOR TO COORDINATE WITH PWP TO REUSE EXISTING WATER 2" METER AND SERVICE.
- ② INSTALL DOMESTIC WATER PIPING AND FITTINGS, BEDDING PER CITY OF PASADENA STANDARD PLAN S-407 (SIZE PER PLAN).
- ③ CONTRACTOR TO COORDINATE WITH PWP TO INSTALL A DOMESTIC WATER SERVICE AND METER (SIZE PER PLAN).
- ④ CONNECT WATER LINE TO INTERNAL BASEMENT BACKFLOW DEVICE. SEE PLUMBING PLANS FOR CONTINUATION. REFER TO CITY OF PASADENA STANDARD PLAN G-1209.
- ⑤ REFER TO PLUMBING PLANS FOR CONTINUATION.
- ⑥ INSTALL BACKFLOW DEVICE PER CITY OF PASADENA STANDARD PLAN G-1209 (SIZE PER PLAN).

FIRE WATER CONSTRUCTION NOTES

- ⑩ CONTRACTOR TO COORDINATE WITH PWP TO INSTALL A FIRE WATER SERVICE AND METER (SIZE PER PLAN).
- ⑪ INSTALL FIRE WATER PIPING AND FITTINGS, BEDDING PER CITY OF PASADENA STANDARD PLAN S-407 (SIZE PER PLAN).
- ⑫ CONNECT FIRE WATER LINE TO FIRE SPRINKLER SYSTEM. REFER TO FIRE SPRINKLER PLANS AND PLUMBING PLANS.
- ⑬ CONNECT WATER LINE TO BACKFLOW DEVICE PER CITY OF PASADENA STANDARD PLAN G-1210 (SIZE PER PLAN).

SEWER CONSTRUCTION NOTES

- ⑳ CONTRACTOR TO COORDINATE WITH PWP TO INSTALL A 6" SEWER HOUSE CONNECTION WYE PER CITY OF PASADENA STANDARD PLAN S-301.
- ㉑ INSTALL 6" VCP SEWER HOUSE LATERAL. BEDDING PER CITY OF PASADENA STANDARD PLAN S-407.
- ㉒ REFER TO PLUMBING PLANS FOR CONTINUATION.

LEGEND

---	RIGHT-OF-WAY
---	CENTERLINE
---	EXISTING ELECTRICAL LINE
---	EXISTING DOMESTIC WATER LINE
---	EXISTING SEWER
---	EXISTING STORM DRAIN
---	EXISTING TELECOMMUNICATIONS LINE
CI	CAST IRON
CL	CENTERLINE
FF	FINISHED FLOOR
INV	INVERT
PWP	PASADENA WATER AND POWER
RCP	REINFORCED CONCRETE PIPE
R/W	RIGHT-OF-WAY
VCP	VITRIFIED CLAY PIPE

Source: Adept 2021

Conceptual Utility Plans

Affinity Project



Map not to scale

Exhibit 2-17a



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AMP INTAKE		
MEDICAL OFFICE BUILDING	150,000 SF	6,000 AMPS
MOB COMMON AREA (INCLUSIVE OF ELEVATOR)	5,160 SF	1,000 AMPS
RETAIL/RESTAURANT	6737 SF	1,200 AMPS
ASSISTED LIVING BUILDING	180,000 SF	4,000 AMPS
AL COMMON AREA (INSIVE OF ELEVATORS)	5,000 SF	1,000 AMPS
SUBTERRANEAN PARKING	400,000 SF	2,000 AMP

ELECTRICAL KEY NOTES

- 1 REFER TO ELECTRICAL PLANS FOR CONTINUATION.
- 2 INSTALL ELECTRICAL EQUIPMENTS AND CONDUITS PER CITY OF PASADENA STANDARD PLAN REQUIREMENTS (SIZE PER PLAN).
- 3 CONTRACTOR TO COORDINATE WITH PWP TO INSTALL ALL ELECTRICAL EQUIPMENT AND METERS (SIZE PER PLAN)

TELEPHONE KEY NOTES

- 4 REFER TO THE TELEPHONE COMPANY PLANS FOR CONTINUATION.
- 5 INSTALL CONDUITS AS PER THE TELEPHONE COMPANY REQUIREMENTS AND PASADENA STANDARD PLAN REQUIREMENTS (SIZE PER PLAN).
- 6 CONTRACTOR TO COORDINATE WITH THE TELEPHONE COMPANY TO INSTALL ALL TELEPHONE CONDUITS AND EQUIPMENTS AS PER THEIR REQUIREMENT.

CABLE KEY NOTES

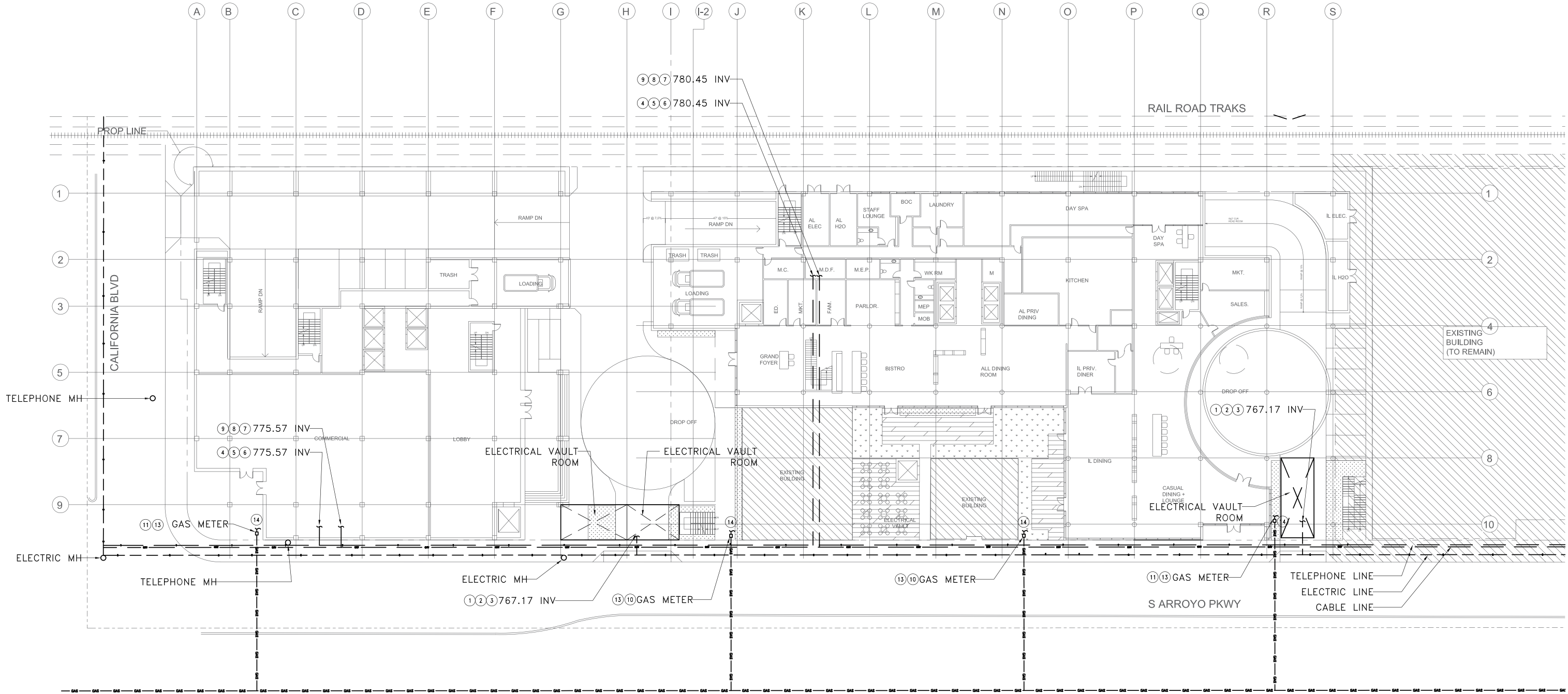
- 7 REFER TO CABLE COMPANY PLANS FOR CONTINUATION.
- 8 INSTALL EQUIPMENTS AND CONDUITS AS PER THE CABLE COMPANY REQUIREMENTS.
- 9 CONTRACTOR TO COORDINATE WITH CABLE COMPANY PRIOR TO INSTALLING ANY EQUIPMENTS (SIZE PER PLAN).

GAS KEY NOTES

- 10 CONTRACTOR TO COORDINATE WITH SOCALGAS COMPANY TO REUSE EXISTING GAS METER AND SERVICE TO EXISTING BUILDING.
- 11 CONTRACTOR TO COORDINATE WITH SOCALGAS COMPANY TO INSTALL A MPG GAS SERVICE AND METER(SIZE PER PLAN) .
- 12 CONTRACTOR TO COORDINATE WITH SOCALGAS COMPANY TO INSTALL A LOW PRESSURE GAS SERVICE AND METER(SIZE PER PLAN) .
- 13 INSTALL GAS PIPING AND FITTING,BEDDING PER SOCALGAS COMPANY STANDARD PLAN.
- 14 REFER TO PLUMBING GAS PLANS FOR CONTINUATION.

LEGENDS

- * MH - MAN HOLE
- * INV - INCHES VERTICAL
- E- - ELECTRICAL
- T- - TELEPHONE
- CAY- - CABLE
- GAS- - GAS



Conceptual Utility Plans

Affinity Project



Map not to scale

Source: Adept 2021

Exhibit 2-17b



Excavation associated with the Project with Building A Residential/Commercial would generate 36,802 cy less soil than that required for the Project, commensurate with the 1 less subterranean level. Therefore, this scenario would involve the excavation and export of an estimated 147,211 cy of soil, generating an estimated 10,515 one-way truck trips, over the course of 4 months (103 workdays). This would equate to an average of 102 one-way trips per workday. All other aspects of construction would be essentially the same for both the Project and Project with Building A Residential/Commercial scenarios.

Building construction, including architectural coatings, would generate a waste stream requiring an estimated 795 one-way truck trips over the course of 26.5 months (691 workdays). This would result in an average of just over 1 truck trip per workday. Chapter 8.62 (Waste Management Plan for Certain Construction and Demolition Projects within the City of Pasadena) et. seq. of the PMC is the City's construction and demolition waste management ordinance (C&D ordinance), which requires at least 75 percent of the construction waste stream to be diverted from landfill disposal. Construction and demolition debris, after diversion, would be disposed at Scholl Canyon Landfill, located approximately 2.5 miles northwest of the site, at 3001 Scholl Canyon Road in Glendale. Construction and demolition debris being diverted from landfill disposal may be directed to many different facilities in the region that reuse or recycle this type of material.

2.4.3 PROJECT OPERATION

The Project is anticipated to be opened to the public in 2026. The medical office building would operate with hours typical of the land use—generally between 8:00 AM and 6:00 PM on weekdays and between 9:00 AM and 1:00 PM on Saturdays. However, operational hours of individual tenants of the medical office building would vary and may be longer or shorter than the typical hours. The non-commercial portion of the medical office building is expected to result in approximately 523 visitors per day and 646 employees. The commercial uses on the ground floor of the medical office building are expected to result in approximately 43 visitors per day and 9 employees. In total, Building A would generate an estimated 655 employees and 566 visitors per day. The assisted living building would also operate with hours typical of the land use. Assisted living facilities are generally operational 24 hours per day with visitation hours anticipated to be daily (Monday through Sunday) between 8:00 AM and 6:00 PM. The assisted living building is expected to result in approximately 20 to 45 visitors per day, approximately 66 employees, up to 113 assisted living residents being cared for, and up to 109 independent living residents (if the maximum of 95 independent living units are constructed). In total, Building B would generate an estimated 66 employees, 222 residents, and up to 45 visitors per day.

The two historic buildings to be retained, total 5,882 sf, are assumed to operate as fast-casual restaurants as part of the Project or Project with Building A Residential/Commercial for purposes of this Draft EIR. These two buildings are expected to result in approximately 16 employees and 83 visitors per day. Therefore, the Project as a whole would generate an estimated 222 residents, 737 employees, and up to 694 visitors per day. For purposes of this Draft EIR, all employees are assumed to be full-time as a conservative approach.

If the Project with Building A Residential/Commercial is constructed, Building A would generate approximately 493 residents associated with up to 197 units¹. Under this development scenario, Building A would include a leasing/sales management office that would employ a small number of individuals—assumed to be 4 persons for purposes of this Draft EIR—and potentially employ maintenance personnel as well. As with the Project, the commercial uses on the ground floor of Building A are expected to result in approximately 43 visitors per day and 9 employees. In total, Building A with Residential Commercial would generate an estimated 493 residential and 20

¹ Based on a rate of 2.5 persons per household derived from the Southern California Association of Governments (SCAG) 2019 Profile for the City of Pasadena (SCAG 2019).

employees. The number of visitors to residential uses is not estimated as it is for business uses (e.g., medical, office, assisted living). Therefore, the Project with Building A Residential/Commercial as a whole would generate an estimated 715 residents, 95 employees, and up to 128 visitors per day.

2.5 PLANNED DEVELOPMENT PLAN AND EXCHANGE PROGRAM

Implementation of the Project or Project with Building A Residential/Commercial could occur subsequent to the adoption of the PD zone and accompanying PD Plan. According to the City of Pasadena Zoning Code, the specific purposes of the PD zoning district are to:

- Establish a procedure for the development of large parcels of land in order to reduce or eliminate the rigidity, delays, and inequities that otherwise would result from application of land use regulations and administrative procedures designed primarily for small parcels;
- Ensure orderly and thorough planning and review procedures that will result in quality urban design.
- Encourage variety and avoid monotony in large developments by allowing greater freedom in selecting the means to provide access, light, open space, and amenity;
- Allow certain types of development consistent with the general plan that can be acceptable at a specific location only under standards significantly more restrictive than those of a base district in which the use is permitted;
- Provide a mechanism whereby the city may authorize desirable developments in conformity with the general plan without inviting speculative rezoning applications that if granted, often could deprive subsequent owners of development opportunities that do not necessarily result in construction of the proposed facilities;
- Encourage allocation and improvement of common open space in residential areas, and provide for maintenance of the open space at the expense of those who will directly benefit from it;
- Encourage the preservation of serviceable existing structures of historic value or artistic merit by providing the opportunity to use them imaginatively for purposes other than that for which they were originally intended; and
- Encourage the assembly of properties that might otherwise be developed in unrelated increments to the detriment of surrounding neighborhoods.

Adoption of a PD zoning district would reclassify the Project site from CD-6 to PD-39, while simultaneously establishing applicable land use regulations and development standards that are specific to the newly established zoning district. The regulations and standards that dictate allowed and conditionally allowed land uses and development would be prescribed in the accompanying PD Plan. This ensures the Project or Project with Building A Residential/Commercial is developed as intended. PD Plans are developed in consideration of existing zoning requirements that are applicable to a project site while also providing flexibility in site usage and building design.

The City's process allows a property owner to initiate an amendment to reclassify a property two acres or larger to a PD zoning district. A proposed PD zoning district and the allowed or conditionally allowed land uses are required to be consistent with the City's General Plan. However, development cannot exceed maximums for floor area ratio or density on the Land Use Diagram unless approved by the City Council (but only as high as 3.0 FAR and 87 du/acre).

The review process of a new PD Application requires input from the City's Design Commission, Planning Commission, and City Council. The review process for a proposed Planned Development is outlined in Sections 17.26.020(C)(3)(d) (Commission and Council Action), 17.61.030(l)(5)(b) (Design Conditions), and 17.74 (Amendments) of the PMC. The role of the Design Commission is limited to recommendations to the Planning Commission and City Council on aesthetic and urban design issues related to architecture, landscaping, site plan, and related aesthetic issues, as well as historic preservation. Additionally, comments on the aesthetic/cultural resources of a draft environmental study are appropriate. Therefore, review and advisement by the Design Commission regarding the proposed PD zone and PD Plan would occur first at a public meeting.

A subsequent review of a proposed PD zone and PD Plan would occur at a public hearing by the Planning Commission. The Planning Commission's role is to make a written recommendation to the City Council to approve, approve with modifications, or disapprove the proposed reclassification and PD Plan. The City Council's role is to hold a public hearing to consider the recommendation of the Planning Commission and to hear evidence regarding the proposal. Upon receipt of the Planning Commission's recommendation, the City Council would move to approve, approve in modified form, or disapprove the proposed PD zoning district and PD Plan. Prior to any approval, the City Council is required to certify the Final EIR. Planned Developments and the accompanying PD Plan are made a part of the Zoning Code when approved to ensure implementation occurs as approved.

The basic design of a project, including compatibility with surroundings, massing, proportion, siting, solid-to-void relationships, and compliance with applicable design guidelines is evaluated through the City's Design Review process and is a role for the City's Design Commission. This phase of review generally occurs after approval of the PD application, if received. An approved PD zoning district and accompanying PD Plan cannot be later revised without requiring a formal application from the applicant, noticed public hearings before the Planning Commission and City Council, and the appropriate environmental review pursuant to CEQA.

2.6 APPROACH TO CUMULATIVE IMPACT ANALYSIS

Discussions of the cumulative impacts of the Project is provided in Sections 3.1 through 3.11, relative to each CEQA topical issue evaluated herein. The following is an overview and introduction to the cumulative analysis per the State CEQA Guidelines. This avoids the undue repetition of CEQA requirements relative to cumulative analysis within individual sections.

Section 15355 of the State CEQA Guidelines defines cumulative impacts as "two or more individual effects which, when considered together, are considerable or which compound or increase other environmental impacts". Section 15355 also specifies:

- a) The individual effects may be changes resulting from a single project or a number of separate projects.
- b) The cumulative impact from several projects is the change in the environment which results from the incremental impact of the project when added to other closely related past, present, and reasonably foreseeable probable future projects. Cumulative impacts can result from individually minor but collectively significant projects taking place over a period of time.

Pursuant to Section 15130(b) of the State CEQA Guidelines:

The discussion of cumulative impacts shall reflect the severity of the impacts and their likelihood of occurrence, but the discussion need not provide as great detail

as is provided for the effects attributable to the project alone. The discussion should be guided by standards of practicality and reasonableness, and should focus on the cumulative impact to which the identified other projects contribute rather than the attributes of other projects which do not contribute to the cumulative impact.

Section 15130(b)(1) of the State CEQA Guidelines describes two allowable methods to determine the scope of projects considered in the cumulative impact analysis, as follows:

- (A) A list of past, present, and probable future projects producing related or cumulative impacts, including, if necessary, those projects outside the control of the agency; or
- (B) A summary of projections contained in an adopted local, regional or statewide plan, or related planning document, that describes or evaluates conditions contributing to the cumulative effect. Such plans may include: a general plan, regional transportation plan, or plans for the reduction of greenhouse gas emissions. A summary of projections may also be contained in an adopted or certified prior environmental document for such a plan. Such projections may be supplemented with additional information such as a regional modeling program. Any such document shall be referenced and made available to the public at a location specified by the lead agency.

The cumulative impact analysis contained in this EIR uses method B, the projections method. The buildout of the City's General Plan will be used as the basis of growth projections to assess cumulative impacts. The Land Use Element of the *City of Pasadena General Plan* designates the intensity of development and the mix of allowed uses within each specific plan area. Specifically, Policy 1.3 states: "Regulate building intensity and population density consistently with the designations established by the Land Use Diagram. Within these, cumulative new development within the specific plan areas shall not exceed the number of housing units and commercial square feet specified in the following table". The referenced table is presented in Table 2-4, City of Pasadena General Plan Development Caps, on the following page.

These development caps are applicable as of the date of adoption of the Land Use Element, which was August 18, 2015. The City's development caps do not apply to affordable housing units, except for the Fair Oaks/Orange Grove specific plan area. Also, a shift of development cap from one specific plan to a different specific plan area is not permitted. It is noted that affordable housing units are not counted towards residential caps in any Specific Plan, except for the Fair Oaks/Orange Grove Specific Plan; and parking structures and structures tied to educational institutions also do not count towards non-residential development capacity limits.

**TABLE 2-4
CITY OF PASADENA GENERAL PLAN DEVELOPMENT CAPS**

Specific Plan Area	Residential Units	Commercial Square Feet
Central District	4,272	2,112,000
South Fair Oaks	802	988,000
East Pasadena	750	1,095,000
Lamanda Park	100	630,000
East Colorado	300	300,000
North Lake	250	250,000
Fair Oaks / Orange Grove	325	300,000
Lincoln Avenue	180	300,000
Totals	6,979	5,975,000
Source: Pasadena, City of. 2015b (August 18, adopted). <i>Land Use Element of Pasadena General Plan</i> . Pasadena, City of. Land-Use-Element-2016-01-25.pdf (cityofpasadena.net) .		

Table 2-5 summarizes the remaining development capacity throughout the City as of December 6, 2021 (the most recent available data). The remaining development capacity summarized above reflects all projects, including those currently in progress without entitlements. It is expected that some proportion of these projects will not come to fruition. However, to provide a conservative analysis, they have been reflected in the projections for purposes of cumulative impact analysis in this EIR. The cumulative impact analysis assumes buildout of all remaining development capacity in the City.

**TABLE 2-5
CITY OF PASADENA REMAINING DEVELOPMENT CAPACITY**

Specific Plan Area	Residential Units	Commercial Square Feet
Central District	1,018	778,357 ^a
South Fair Oaks	785	621,193
East Pasadena	57	1,284,029
Lamanda Park	101	562,867
East Colorado	199	6,534
North Lake	250	250,245
Fair Oaks / Orange Grove	(43)	253,721
Lincoln Avenue	116	363,422
Totals	2,483	3,342,011
^a Not including 105,020 net square feet of commercial land use associated with the Project in Building A (as proposed) (i.e., 154,000 sf – 48,980 sf). Sources: Pasadena, City of. 2021a (December 6, last updated). <i>Development Cap Tracking Worksheet-Summary</i> . Pasadena, City of. GP DEV CAP WORKSHEET Nov2021.xlsx (cityofpasadena.net) . Pasadena, City of. 2021b (November 30, last updated). <i>Development Cap Tracking Worksheet-Details</i> . Pasadena, City of. GP DEV CAP WORKSHEET Nov2021.xlsx (cityofpasadena.net) .		

2.7 **INTENDED USES OF THE EIR**

2.7.1 **CITY OF PASADENA**

The City of Pasadena is expected to use the information contained in the EIR for consideration of approvals related to and involved in Project implementation. Actions to be considered by the City, after implementation of the CEQA process, include, but not be limited to:

- Approval of the Planned Development (PD) Zoning District and PD Plan (this includes approval of the Affinity Project, zoning map amendment to rezone the property from CD-6 to PD-39, and variance for historic resources for building height);
- Certification of the Affinity Project Environmental Impact Report;
- Public Street Tree Removal Approval;
- Design Review;
- Vesting Tentative Tract Map or Tentative Tract Map Approval (only if residential units for sale); and
- Other discretionary and ministerial permits and approvals that may be deemed necessary, including but not limited to: master sign plan, temporary street closure permits, encroachment permits, grading permits, excavation permits, foundation permits, and building permits (including lot tie agreement).

2.7.2 **RESPONSIBLE AND TRUSTEE AGENCIES**

State law requires that all EIRs be reviewed by trustee and responsible agencies. A “Trustee Agency” is defined in Section 15386 of the State CEQA Guidelines as “a State agency having jurisdiction by law over natural resources affected by a project, which are held in trust for the people of the State of California”. Per Section 15381 of the State CEQA Guidelines, “the term ‘Responsible Agency’ includes all public agencies other than the Lead Agency which have discretionary approval power over the project”.

The EIR also provides environmental information to responsible agencies, trustee agencies, and other public agencies that may be required to grant approvals and permits or coordinate with the City as part of Project implementation. These agencies include, but are not limited to, those listed in Table 2-6, Other Agency Approvals and Requirements.

**TABLE 2-6
OTHER AGENCY APPROVALS AND REQUIREMENTS**

Agency	Approval Required
Los Angeles County Metropolitan Transportation Authority (Metro)	Construction within 100 feet of Metro light rail
Los Angeles Regional Water Quality Control Board	Construction General Permit
South Coast Air Quality Management District	Permit for Operation of Diesel Backup Generator

2.8 **REFERENCES**

Pasadena, City of. 2021a (December 6, last updated). *Development Cap Tracking Worksheet-Summary*. Pasadena, City of. GP DEV CAP WORKSHEET Nov2021.xlsx (cityofpasadena.net).<https://www.cityofpasadena.net/wp-content/uploads/sites/30/Land-Use-Element-2016-01-25.pdf?v=1626398951978>

Pasadena, City of. 2021b (November 30, last updated). *Development Cap Tracking Worksheet-Details*. Pasadena, City of. GP DEV CAP WORKSHEET Nov2021.xlsx (cityofpasadena.net).

———. 2015 (August). *Pasadena General Plan*. Pasadena, CA: the City. General Plan - Planning & Community Development Department (cityofpasadena.net).

———. 2004 (November 8, adopted). *Central District Specific Plan*. Pasadena, CA: the City. Central District - Planning & Community Development Department (cityofpasadena.net).

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SECTION 3.0 ENVIRONMENTAL ANALYSIS

In accordance with Sections 15125 and 15126(a) to (c) of the California Environmental Quality Act (CEQA) Guidelines, this section of the Draft EIR analyzes those environmental topics where the Project could result in “potentially significant impacts”, as identified in the IS/NOP included in Appendix A-1 and based on comments received during the scoping period. The City identified the following topics as requiring detailed EIR analysis:

- Air Quality (Section 3.1),
- Cultural and Paleontological Resources (Section 3.2),
- Energy (Section 3.3),
- Greenhouse Gas Emissions (Section 3.4),
- Hazards and Hazardous Materials (Section 3.5),
- Land Use and Planning (Section 3.6),
- Noise (Section 3.7),
- Public Services and Recreation (Section 3.8),
- Transportation (Section 3.9),
- Tribal Cultural Resources (Section 3.10), and
- Utilities and Service Systems (Section 3.11).

Each topical section includes the information presented in the format described below.

As discussed in Section 1.0, Introduction, the City determined there would be no impacts or less than significant impacts to the following environmental topics:

- | | |
|--|--------------------------------|
| • Aesthetics, | • Hydrology and Water Quality, |
| • Agricultural and Forestry Resources, | • Mineral Resources, |
| • Biological Resources, | • Population and Housing, and |
| • Geology and Soils, | • Wildfire. |

Therefore, these topics do not require, and this Draft EIR will not set forth, any further analysis of these topics.

Where a potentially significant environmental effect has been identified and is not reduced to a level considered less than significant, including after incorporation of applicable regulations that are necessary independent of the CEQA process, Project-specific mitigation measures have been identified, consistent with Section 15126.4 of the State CEQA Guidelines. Any mitigation measure, and timing thereof, is subject to the approval of the City. Section 15126.4(a) of the State CEQA Guidelines requires lead agencies to consider feasible mitigation measures to avoid or substantially reduce a project’s significant environmental impacts. If determined necessary in the future, the City may substitute, at its discretion, any mitigation measure (and timing thereof) that has (1) the same or superior result as the original mitigation measure and (2) the same or superior effect on the environment (Section 21080(f) of CEQA).

Environmental Analysis Format

To facilitate the analysis of each topic presented in Section 3.0, a standard format was developed. This format is presented below, with a brief discussion of the information included within each heading.

Existing Conditions

This section describes the existing environmental conditions related to each topic analyzed. In accordance with Section 15125 of the State CEQA Guidelines, the existing local and regional setting is discussed as they existed when the IS/NOP was circulated from August 5, 2021, through September 3, 2021, unless otherwise noted. This section provides the baseline conditions with which environmental changes associated with the Project and Project with Building A Residential/Commercial would be compared and analyzed.

Relevant Programs and Regulations

This section includes a summary of the existing federal, State, regional, County, and/or local laws, regulations, and ordinances that directly relate to the environmental topic being analyzed. These are summarized to provide background information and to establish the regulatory setting under which the construction and operation of the Project or Project with Building A Residential/Commercial would occur.

Thresholds of Significance

Section 15126.2 of the State CEQA Guidelines requires an EIR to “identify and focus on the significant environmental effects of the proposed project”. “Effects” and “impacts” mean the same under CEQA and are used interchangeably in this EIR. A “significant effect” or “significant impact” on the environment is “a substantial, or potentially substantial, adverse change in any of the physical conditions within the area affected by the project” (Section 15382 of the State CEQA Guidelines).

In determining whether an impact is “significant”, Section 15064.7 of the State CEQA Guidelines encourages each public agency to develop and publish thresholds of significance to use in determining the significance of an environmental impact. These thresholds may consist of identifiable quantitative, qualitative, or performance-level criteria used to determine non-compliance or compliance. Non-compliance means the effect would be significant, and compliance with the thresholds means the effect normally would be less than significant.

Like most municipalities, the City of Pasadena has not adopted thresholds of significance for every resource area but has adopted local thresholds for areas such as traffic. Nonetheless, a majority of the significance criteria used in the analysis in Section 3.0 of this EIR are derived from Appendix G of the State CEQA Guidelines. In addition, City policies and standards (such as the City’s noise ordinance), as well as thresholds adopted by other public agencies with jurisdiction over select issues, are used as thresholds of significance, where applicable. For example, the South Coast Air Quality Management District publishes numerical thresholds for criteria pollutant emissions. Also, accepted technical and scientific data are used in some instances to determine if an impact would be considered significant. These thresholds are identified under each environmental topic and have been used in analyzing the potential impacts of the Project and Project with Building A Residential/Commercial.

Methodology

This section describes the methods that were used in the process of analyzing impacts related to the implementation of the Project and Project with Building A Residential/Commercial in relation to the thresholds of significance for that environmental topic.

Environmental Impacts

The analysis of environmental impacts presented in this Draft EIR identifies direct and indirect, as well as short-term and long-term, environmental impacts of the Project and the comparative impacts of the Project with Building A Residential/Commercial. The thresholds of significance (discussed above) provide the basis for distinguishing between impacts that are determined to be significant (i.e., impact exceeds the threshold of significance) and those that are considered less than significant. The analysis is structured to address each threshold, while considering any residual impact after compliance with any applicable regulations pertinent to that topic. If there would be a significant environmental impact after regulatory compliance, feasible mitigation measure(s) are developed to reduce or avoid the identified impact.

Where the impact analysis demonstrates that a potential environmental effect is too speculative or subjective for evaluation, or that the effect is beneficial, that conclusion is noted. Where the impact analysis demonstrates that a potential environmental effect could have a substantial or potentially substantial and adverse impact on existing physical conditions within the City, that conclusion is noted and followed by a discussion of how the proposed mitigation would address the potential impact.

Cumulative Impacts

While the extent of environmental changes that would occur with individual projects that are proposed, planned, or under construction in the City or region may not be significant, the sum of the impacts of these cumulative projects and the Project or Project with Building A Residential/Commercial may be cumulatively considerable, as defined in Section 15065(c) of the State CEQA Guidelines. Section 2.6, Approach to Cumulative Impact Analysis, of this EIR contains a discussion of the overall methodology to determine the scope of projects and/or regional growth considered in the cumulative impact analysis. A discussion of the anticipated environmental changes resulting from the cumulative projects and the proposed development on a cumulative level, are addressed in each topical analysis presented in Section 3.0 of this Draft EIR, which contains a more detailed discussion of the cumulative impact analysis methodology for each environmental topic.

Mitigation Measures

The mitigation measures (MMs) for each topic have been developed, when necessary, to reduce or avoid significant adverse environmental impacts after incorporation of relevant regulations.

Level of Significance After Mitigation

This section identifies the level of significance of the identified impacts after implementation of the required mitigation measures, where applicable. Significant and unavoidable impacts are those adverse effects that either cannot be mitigated or that remain significant even after mitigation.

References

Documents and other sources that have been used in the preparation of each topical analysis are identified in this section.

Summary of Analysis

This section presents an overview of the topical analysis for the Project and Project with Building A Residential/Commercial, including identification of any MMs and level of significance after mitigation.

3.1 AIR QUALITY

3.1.1 EXISTING CONDITIONS

Climate and Meteorology

The Project site is located in the Los Angeles County portion of the South Coast Air Basin (SoCAB). The SoCAB is a 6,600-square-mile area bound by the Pacific Ocean to the west, the San Gabriel, San Bernardino, and San Jacinto Mountains to the north and east, and the San Diego County line to the south. The SoCAB includes all of Orange County and the non-desert portions of Los Angeles, Riverside, and San Bernardino Counties, in addition to the San Geronimo Pass area of Riverside County.

The SoCAB's terrain and geographical location (i.e., a coastal plain with connecting broad valleys and low hills) determine its distinctive semi-arid climate, which is characterized by moderate temperatures, oceanic influences, and precipitation during winter (November through April).

According to the 2016 South Coast Air Quality Management District's (SCAQMD's) Air Quality Management Plan (AQMP), the SoCAB's air pollution problems are a consequence of the combination of emissions from the nation's second largest urban area, meteorological conditions adverse to the dispersion of those emissions, and mountainous terrain surrounding the Basin that traps pollutants as they are pushed inland with the sea breeze. The average wind speed for Los Angeles is the lowest of the nation's 10 largest urban areas. In addition, the summertime daily maximum mixing heights¹ in Southern California are the lowest, on average, due to strong temperature inversions in the lower atmosphere that effectively trap pollutants near the surface. Southern California also has abundant sunshine, which drives the photochemical reactions that form pollutants such as ozone (O₃) and a significant portion of fine particulate mass, equal to or smaller than 2.5 microns in size (PM_{2.5}).

With very light average wind speeds, the basin atmosphere has a limited capability to disperse air contaminants horizontally. The dominant daily wind pattern is a daytime sea breeze (onshore breeze) and a nighttime land breeze (offshore breeze), broken only occasionally by winter storms and infrequent strong Santa Ana winds from the Great Basin, Mojave, and deserts to the north.

The vertical dispersion of air pollutants in the SoCAB is hampered by the presence of a temperature inversion in the layers of the atmosphere near the surface of the Earth. In a normal situation, as temperatures decrease with altitude, air continues to rise as it remains warmer than the surrounding air. With an inversion layer, air cannot continue to expand upwards, as it is trapped by the warmer air above.

Criteria Air Pollutants

Air quality is defined by ambient air concentrations of seven criteria air pollutants, which are a group of common air pollutants identified by the U.S. Environmental Protection Agency (USEPA) to be of concern with respect to the health and welfare of the general public. Federal and State governments regulate criteria pollutants by using ambient standards based on criteria regarding the health and/or environmental effects of each pollutant. These pollutants include nitrogen dioxide (NO₂); ozone (O₃); particulate matter, including both particles equal to or smaller than 10 microns in size (PM₁₀) and particles equal to or smaller than 2.5 microns in size (PM_{2.5}); carbon monoxide (CO); sulfur dioxide (SO₂); and lead. Particulate matter size refers to the aerodynamic

¹ The maximum mixing height is an index of how well pollutants can be dispersed vertically in the atmosphere.

diameter of the particle. A description of each criteria pollutant, including source types and health effects, is provided below.

Nitrogen Dioxide

Nitrogen gas, normally relatively inert (i.e., nonreactive), comprises about 80 percent of the air. At high temperatures (e.g., in combustion processes) and under certain other conditions, nitrogen can combine with oxygen to form several different gaseous compounds collectively called nitrogen oxides (NO_x). Nitric oxide (NO), NO₂, and nitrous oxide (N₂O) are important constituents of NO_x. NO is converted to NO₂ in the atmosphere. Motor vehicle emissions are the main source of NO_x in urban areas.

NO₂ is a red-brown pungent gas and is toxic to various animals and to humans because of its ability to form nitric acid with water in the eyes, lungs, mucus membranes, and skin. In animals, long-term exposure to NO_x increases susceptibility to respiratory infections, lowering resistance to such diseases as pneumonia and influenza. Laboratory studies show that susceptible humans, such as asthmatics, who are exposed to high concentrations of NO₂ can suffer lung irritation and, potentially, lung damage. Epidemiological studies have also shown associations between NO₂ concentrations and daily mortality from respiratory and cardiovascular causes, and with hospital admissions for respiratory conditions.

While the National Ambient Air Quality Standards (NAAQS) only address NO₂, NO and NO₂ are both precursors in the formation of O₃ and PM_{2.5}, as discussed below. Because of this and the fact that NO emissions largely convert to NO₂, NO_x emissions are typically examined when assessing potential air quality impacts.

Ozone

Ozone is a secondary pollutant, meaning that it is not directly emitted. It is a gas that is formed when volatile organic compounds (VOCs) (also referred to as reactive organic gases) and NO_x undergo photochemical reactions that occur only in the presence of sunlight. The primary source of VOC emissions is unburned hydrocarbons in motor vehicle and other internal combustion engine exhaust. NO_x also form as a result of the combustion process, most notably due to the operation of motor vehicles. Sunlight and hot weather cause ground-level O₃ to form; as a result, ozone is known as a summertime air pollutant. Ground-level O₃ is not to be confused with atmospheric O₃ or the “ozone layer”, which occurs very high in the atmosphere and shields the planet from some ultraviolet rays. Ground-level O₃ is the primary constituent of smog. Because O₃ formation occurs over extended periods of time, both O₃ and its precursors are transported by wind, and high O₃ concentrations can occur in areas well away from sources of its constituent pollutants.

People with lung disease, children, older adults, and people who are active can be affected when ozone levels exceed ambient air quality standards. Numerous scientific studies have linked ground-level ozone exposure to a variety of problems, including the following:

- lung irritation that can cause inflammation much like a sunburn;
- wheezing, coughing, pain when taking a deep breath, and breathing difficulties during exercise or outdoor activities;
- permanent lung damage to those with repeated exposure to ozone pollution; and
- aggravated asthma, reduced lung capacity, and increased susceptibility to respiratory illnesses like pneumonia and bronchitis.

Particulate Matter

Particulate matter includes both aerosols and solid particles of a wide range of size and composition. Of particular concern are PM₁₀ and PM_{2.5}. Particulate matter tends to occur primarily in the form of fugitive dust. This dust appears to be generated by both local sources and by region-wide dust during moderate to high wind episodes. These regional episodes tend to be multi-district and sometimes interstate in scope. The principal sources of dust in urban areas are from grading, construction, disturbed areas of soil, and dust entrained by vehicles on roadways.

PM₁₀ is generally emitted directly as a result of mechanical processes that crush or grind larger particles or from the re-suspension of dusts, most typically through construction activities and vehicular travels. PM₁₀ generally settles out of the atmosphere rapidly and is not readily transported over large distances.

PM_{2.5} is directly emitted in combustion exhaust and is formed in atmospheric reactions between various gaseous pollutants including NO_x, sulfur oxides (SO_x), and VOCs. PM_{2.5} can remain suspended in the atmosphere for days and/or weeks and can be transported long distances, as many as several hundred miles.

The principal health effects of airborne particulate matter are on the respiratory system. Short-term exposure, lasting several days or weeks, to high PM_{2.5} and PM₁₀ levels is associated with premature mortality and increased hospital admissions and emergency room visits; increased respiratory symptoms are also associated with short-term exposure to high PM₁₀ levels. Long-term exposure, lasting years to decades, to high PM_{2.5} levels is associated with premature mortality and development of chronic respiratory disease. According to the USEPA, some people are much more sensitive than others to breathing PM₁₀ and PM_{2.5}. People with influenza, chronic respiratory and cardiovascular diseases, and the elderly may suffer worse illnesses; people with bronchitis can expect aggravated symptoms; and children may experience decline in lung function due to breathing in PM₁₀ and PM_{2.5}. Other groups considered sensitive include smokers and people who cannot breathe well through their noses. Exercising athletes are also considered sensitive because many breathe through their mouths.

Carbon Monoxide

Carbon monoxide is a colorless and odorless gas which, in the urban environment, is associated primarily with the incomplete combustion of fossil fuels in motor vehicles. CO combines with hemoglobin in the bloodstream and reduces the amount of oxygen that can be circulated through the body. High CO concentrations can cause headaches; aggravate cardiovascular disease; and impair central nervous system functions.

CO concentrations can vary greatly over comparatively short distances. Relatively high concentrations are typically found near crowded intersections; along heavily used roadways carrying slow-moving traffic; and at or near ground level. Even under the most severe meteorological and traffic conditions, high concentrations of CO are limited to locations within a relatively short distance (i.e., up to 600 feet or 185 meters) of heavily traveled roadways.

Sulfur Dioxide

Sulfur oxides (SO_x) constitute a class of compounds of which SO₂ and sulfur trioxide (SO₃) are of greatest importance. Ninety-five percent of pollution-related SO_x emissions are in the form of SO₂. SO_x emissions are typically examined when assessing potential air quality impacts of SO₂. The primary contributor of SO_x emissions is fossil fuel combustion for generating electric power. Industrial processes, such as nonferrous metal smelting, also contribute to SO_x emissions. SO_x

is also formed during combustion of motor fuels; however, most of the sulfur has been removed from fuels, greatly reducing SO_x emissions from vehicles.

SO₂ combines easily with water vapor, forming aerosols of sulfurous acid (H₂SO₃), a colorless, mildly corrosive liquid. This liquid may then combine with oxygen in the air, forming the even more irritating and corrosive sulfuric acid (H₂SO₄). Peak levels of SO₂ in the air can cause temporary breathing difficulty for people with asthma who are active outdoors. Longer-term exposures, lasting years to decades, to high levels of SO₂ gas and particles cause respiratory illness and aggravate existing heart disease. SO₂ reacts with other chemicals in the air to form tiny sulfate particles which are measured as PM_{2.5}.

Lead

Lead is a stable compound, which persists and accumulates both in the environment and in animals. In humans, it affects the body's blood-forming (or hematopoietic), nervous, and renal systems. In addition, lead has been shown to affect the normal functions of the reproductive, endocrine, hepatic, cardiovascular, immunological and gastrointestinal systems, although there is significant individual variability in response to lead exposure. In general, an analysis of lead is limited to projects that emit significant quantities of the pollutant (i.e., lead smelters) and are not applied to residential projects.

Toxic Air Contaminants

Toxic air contaminants (TACs) are a diverse group of air pollutants that may cause or contribute to an increase in deaths or in serious illness, or that may pose a present or potential hazard to human health. TACs may be emitted from a variety of common sources, including motor vehicles, gasoline stations, dry cleaners, industrial operations, painting operations, and research and teaching facilities. The USEPA uses the term "hazardous air pollutants" for TACs.

TACs are different than the criteria pollutants previously discussed in that ambient air quality standards have not been established for them. TACs occurring at extremely low concentrations may still cause health effects, and it is typically difficult to identify levels of exposure that do not produce adverse health effects. TAC impacts are described by carcinogenic (*i.e.*, cancer) risk, chronic (*i.e.*, of long duration) and acute (*i.e.*, severe but of short duration) adverse effects on human health. Diesel particulate matter (DPM) is a TAC and is responsible for the majority of California's known cancer risk from outdoor air pollutants.

Existing Regional Air Quality

The nearest air quality monitoring to the Project site is the Pasadena-South Wilson Avenue monitoring station located approximately 1.2 miles southeast of the Project site. Pollutants measured at this monitoring station include O₃, PM_{2.5}, and NO₂. Monitoring data from the years 2017-2019 are shown in Table 3.1-1, Air Quality Monitoring Data from the Pasadena-South Wilson Avenue Monitoring Station. Federal and State air quality standards are presented with the number of times those each of those standards were exceeded.

**TABLE 3.1-1
AIR QUALITY MONITORING DATA FROM
THE PASADENA-SOUTH WILSON AVENUE MONITORING STATION**

Pollutant	California Standard	National Standard	Year	Max. Level ^a	State Standard Days Exceeded ^b	National Standard Days Exceeded ^{b, c}
O ₃ (1 hour)	0.09 ppm	None	2018	0.112	8	NA
			2019	0.120	11	NA
			2020	0.163	41	NA
O ₃ (8 hour)	0.070 ppm	0.070 ppm	2018	0.091	20	19
			2019	0.098	29	24
			2020	0.116	61	60
NO ₂ (1 Hour)	0.18 ppm	0.100 ppm	2018	0.068	0	0
			2019	0.059	0	0
			2020	0.061	0	0
NO ₂ (AAM)	0.030 ppb	0.053 ppb	2018	0.014	No	No
			2019	0.013	No	No
			2020	0.013	No	No
PM _{2.5} (24 Hour)	None	35 µg/m ³	2018	32.5	N/A	0/0
			2019	41.8	N/A	1/3.1
			2020	67.7	N/A	2/6.1
PM _{2.5} (AAM)	12 µg/m ³	15 µg/m ³	2018	10.3	No	No
			2019	8.7	No	No
			2020	11.9	No	No
O ₃ : ozone; ppm: parts per million; µg/m ³ : micrograms per cubic meter; AAM: annual arithmetic mean; NO ₂ : nitrogen dioxide. “—” indicates that the data are not reported or there is insufficient data available to determine the value. N/A indicates that there is no applicable standard. State and national data may differ because of differing methods for selecting hours for averaging. ^a California maximum levels were used. ^b For annual averaging times, a “Yes” or “No” response is given if the annual average concentration exceeded the applicable standard. ^c PM is measured once every 6 days. Where 2 values are shown for PM _{2.5} , the first is for the measured value, and the second is the estimated number of days. Source: CARB 2021						

When a region has air quality that fails to meet the standards, the USEPA and the California Air Resources Board (CARB) designate the region as “nonattainment” and the regional air quality agency must develop plans to attain the standards. These attainment designations are shown in Table 3.1-2, Attainment Status of Criteria Pollutants in the South Coast Air Basin. As identified in Table 3.1-2, all of Los Angeles County is designated as a nonattainment area for O₃, PM₁₀, and PM_{2.5}; portions of Los Angeles County, not including the Project site are designated nonattainment for NO₂ and lead.

**TABLE 3.1-2
ATTAINMENT STATUS OF CRITERIA POLLUTANTS
IN THE SOUTH COAST AIR BASIN**

Pollutant	State	Federal
O ₃ (1 hour)	Nonattainment	No standards
O ₃ (8 hour)	Nonattainment	Nonattainment
PM ₁₀	Nonattainment	Attainment/Maintenance
PM _{2.5}	Nonattainment	Serious Nonattainment
CO	Attainment	Attainment/Maintenance
NO ₂	Attainment/Nonattainment ^b	Attainment/Maintenance
SO ₂	Attainment	Attainment
Lead	Attainment	Nonattainment/Attainment ^a
All others	Attainment/Unclassified ^c	No standards
<p>O₃: ozone; PM₁₀: respirable particulate matter 10 microns or less in diameter; PM_{2.5}: fine particulate matter 2.5 microns or less in diameter; CO: carbon monoxide; NO₂: nitrogen dioxide; SO₂: sulfur dioxide; SoCAB: South Coast Air Basin.</p> <p>^a Los Angeles County is classified nonattainment for lead; the remainder of the SoCAB is in attainment of the State and federal standards.</p> <p>^b The near-road portion of CA-60 in San Bernardino, Riverside, and Los Angeles Counties is classified as nonattainment for NO₂; the remainder of the SoCAB is in attainment of State standards.</p> <p>^c "Unclassified" designation indicates that the air quality data for the area are incomplete and do not support a designation of attainment or nonattainment.</p> <p>Source: CARB 2021b, USEPA 2021a</p>		

Existing Project Site Emissions

Pollutants are emitted from current operations at the Project site. Existing emissions were calculated for the businesses that would be removed from the site (i.e., 491/495, 499/503, 541, and 577 South Arroyo Parkway) and replaced by new uses associated with the Project or Project with Building A Residential/Commercial. In other words, the existing emissions in Table 3.1-3 do not include emissions from the buildings to be retained with implementation of the Project (i.e., 465, 501, and 523 South Arroyo Parkway). Existing vehicle trip data, an estimated 2,454 daily trips, are derived from the Transportation Impact Analysis – Outside of CEQA Analysis prepared for the Project (Pasadena DOT 2021a). The results of the analysis are shown in Table 3.1-3, Peak Daily Existing Emissions, on the following page.

Sensitive Air Quality Receptors

Sensitive receptors include, but are not limited to children, the elderly, persons with preexisting respiratory or cardiovascular illness, and athletes and others who engage in frequent exercise. Therefore, sensitive receptors land uses include, but are not limited to schools, parks, hospitals, residences, and convalescent homes. The nearest sensitive air quality receptors to the Project site are residences in a mixed-use, multi-story building at 482 South Arroyo Parkway, on the opposite side of the street approximately 100 feet from the Project site.

**TABLE 3.1-3
PEAK DAILY EXISTING EMISSIONS**

Source	Emissions (lbs/day)*					
	VOC	NO _x	CO	SO _x	PM ₁₀	PM _{2.5}
Area sources	1	<1	<1	<1	<1	<1
Energy sources	<1	1	1	<1	<1	<1
Mobile sources	5	2	33	<1	6	2
Total Existing Operational Emissions**	6	3	34	<1	6	2

lbs/day: pounds per day; VOC: volatile organic compound; NO_x: nitrogen oxides; CO: carbon monoxide; SO_x: sulfur oxides; PM₁₀: respirable particulate matter 10 microns or less in diameter; PM_{2.5}: fine particulate matter 2.5 microns or less in diameter; SCAQMD: South Coast Air Quality Management District.

Totals may not add due to rounding.

* Existing emissions were quantified for uses to be demolished, and not for uses to be retained with implementation of the Project or Project with Building A Residential/Commercial. This provides a more conservative analysis of air quality and greenhouse gas emissions, as less emissions would be deducted from the proposed Project's emissions, as shown further below in Table 3.1-8, Net Operational Emissions for the Project and Table 3.1-12, Net Operational Emissions for the Project with Building A Residential/Commercial.

** Values are the higher of summer or winter.

See Appendix B, *Air Quality and Greenhouse Gas Emissions Modeling Data*, for CalEEMod model outputs.

3.1.2 RELEVANT PROGRAMS AND REGULATIONS

Federal

The USEPA defines seven “criteria” air pollutants, as described below. These pollutants are called criteria pollutants because the USEPA has established National Ambient Air Quality Standards (NAAQS) for the concentrations of these pollutants (USEPA 2021b). The CARB has also established standards for the criteria pollutants, known as California Ambient Air Quality Standards (CAAQS), and the State standards are generally more restrictive than the NAAQS. The NAAQS and CAAQS are shown in Table 3.1-4, California and Federal Ambient Air Quality Standards, on the following page.

**TABLE 3.1-4
CALIFORNIA AND FEDERAL AMBIENT AIR QUALITY STANDARDS**

Pollutant	Averaging Time	California Standards	Federal Standards	
			Primary ^a	Secondary ^b
O ₃	1 Hour	0.09 ppm (180 µg/m ³)	–	–
	8 Hour	0.070 ppm (137 µg/m ³)	0.070 ppm (137 µg/m ³)	Same as Primary
PM10	24 Hour	50 µg/m ³	150 µg/m ³	Same as Primary
	AAM	20 µg/m ³	–	Same as Primary
PM2.5	24 Hour	–	35 µg/m ³	Same as Primary
	AAM	12 µg/m ³	12.0 µg/m ³	15.0 µg/m ³
CO	1 Hour	20 ppm (23 mg/m ³)	35 ppm (40 mg/m ³)	–
	8 Hour	9.0 ppm (10 mg/m ³)	9 ppm (10 mg/m ³)	–
	8 Hour (Lake Tahoe)	6 ppm (7 mg/m ³)	–	–
NO ₂	AAM	0.030 ppm (57 µg/m ³)	0.053 ppm (100 µg/m ³)	Same as Primary
	1 Hour	0.18 ppm (339 µg/m ³)	0.100 ppm (188 µg/m ³)	–
SO ₂	24 Hour	0.04 ppm (105 µg/m ³)	–	–
	3 Hour	–	–	0.5 ppm (1,300 µg/m ³)
	1 Hour	0.25 ppm (655 µg/m ³)	0.075 ppm (196 µg/m ³)	–
Lead	30-day Avg.	1.5 µg/m ³	–	–
	Calendar Quarter	–	1.5 µg/m ³	Same as Primary
	Rolling 3-month Avg.	–	0.15 µg/m ³	
Visibility Reducing Particles	8 Hour	Extinction coefficient of 0.23 per km – visibility ≥ 10 miles (0.07 per km – ≥30 miles for Lake Tahoe)	No Federal Standards	
Sulfates	24 Hour	25 µg/m ³		
Hydrogen Sulfide	1 Hour	0.03 ppm (42 µg/m ³)		
Vinyl Chloride	24 Hour	0.01 ppm (26 µg/m ³)		
O ₃ : ozone; ppm: parts per million; µg/m ³ : micrograms per cubic meter; PM10: respirable particulate matter 10 microns or less in diameter; AAM: Annual Arithmetic Mean; –: No Standard; PM2.5: fine particulate matter 2.5 microns or less in diameter; CO: carbon monoxide; mg/m ³ : milligrams per cubic meter; NO ₂ : nitrogen dioxide; SO ₂ : sulfur dioxide; km: kilometer.				
^a <i>National Primary Standards</i> : The levels of air quality necessary, within an adequate margin of safety, to protect the public health.				
^b <i>National Secondary Standards</i> : The levels of air quality necessary to protect the public welfare from any known or anticipated adverse effects of a pollutant.				
Note: More detailed information in the data presented in this table can be found at the CARB website (www.arb.ca.gov).				
Source: USEPA 2021b, CARB 2016				

State

CARB, a part of the California Environmental Protection Agency (CalEPA), is responsible for coordinating and administering both the federal and State air pollution control programs in California. In this capacity, CARB conducts research, sets the CAAQS (as shown above in Table 3.1-4), compiles emission inventories, develops suggested control measures, oversees local programs, and prepares the State Implementation Plan (SIP) for California. For regions that

do not attain the CAAQS, CARB requires the air districts to prepare plans for attaining the standards. These plans are then integrated into the SIP. CARB establishes emissions standards for (1) motor vehicles sold in California, (2) consumer products (e.g., hair spray, aerosol paints, barbecue lighter fluid), and (3) various types of commercial equipment. It also sets fuel specifications to further reduce vehicular emissions.

Advanced Clean Cars

In January 2012, CARB approved the Advanced Clean Cars program, an emissions-control program for model years 2017 through 2025. The program combines the control of smog, soot, and GHG emissions with requirements for greater numbers of zero-emission vehicles. By 2025, when the rules will be fully implemented, 2025 model year automobiles will emit 75 percent fewer smog-forming emissions and 34 percent fewer global warming gases than the average 2012 model year automobile.

Title 24 Energy Efficiency Standards

The Energy Efficiency Standards for Residential and Nonresidential Buildings (Title 24, Part 6 of the *California Code of Regulations*) were established in 1978 in response to a legislative mandate to reduce California's energy consumption. The current applicable standards are the 2019 Standards, effective January 1, 2020. The requirements of the energy efficiency standards result in the reduction of natural gas and electricity consumption. Since using natural gas produces criteria pollutant emissions, a reduction in natural gas consumption results in a related reduction in air quality emissions.² Additional discussion of the Title 24 energy efficiency standards is included in Section 3.4, Greenhouse Gas Emissions. The 2019 standards require that there is sufficient onsite electricity generation to meet the annual electricity usage for low rise residential buildings. The 2022 Energy Efficiency Standards are being developed and would improve upon the 2019 Energy Code for new construction of, and additions and alterations to, residential and nonresidential buildings. Proposed standards would have an effective date of January 1, 2023. The California Energy Commission (CEC) updates the standards every three years.

Title 24 Green Building Standards

The 2019 California Green Building Standards Code (Title 24, Part 6 of the *California Code of Regulations*), also known as the "CALGreen Code," contains mandatory requirements and voluntary measures for new residential and nonresidential buildings (including buildings for retail uses, office uses, public schools, and hospitals) throughout California. Development of the CALGreen Code is intended to (1) cause a reduction in GHG emissions from buildings; (2) promote environmentally responsible, cost-effective, healthier places to live and work; (3) reduce energy and water consumption; and (4) respond to the directives by the Governor. In short, the CALGreen Code is established to reduce construction waste; make buildings more efficient in the use of materials and energy; and reduce environmental impact during and after construction.

The CALGreen Code provides standards for bicycle parking, carpool/vanpool/electric vehicle spaces, light and glare reduction, grading and paving, energy-efficient appliances, renewable energy, graywater systems, water efficient plumbing fixtures, recycling and recycled materials, pollutant controls (including moisture control and indoor air quality), acoustical controls, storm water management, building design, insulation, flooring, and framing, among others. Implementation of the CALGreen Code measures reduces energy consumption and vehicle trips and encourages the use of alternative-fuel vehicles which, in turn, reduces pollutant emissions.

² Because electricity is not generated on site, the emissions associated with electricity generation are not included in the emissions calculations.

Regional

South Coast Air Quality Management District and Southern California Association of Governments

In the SoCAB, the South Coast Air Quality Management District (SCAQMD) is the agency responsible for protecting public health and welfare through the administration of federal and State air quality laws, regulations, and policies. Included in the SCAQMD's tasks are the monitoring of air pollution; the preparation of the Air Quality Management Plan (AQMP) for the SoCAB; and the promulgation of rules and regulations.

In the Project area, SCAG is the federally designated Metropolitan Planning Organization and the State-designated transportation planning agency for six counties: Riverside, San Bernardino, Los Angeles, Ventura, Imperial, and Orange.

The SCAQMD and SCAG are jointly responsible for formulating and implementing the AQMP for the SoCAB. SCAG's Regional Mobility Plan and Growth Management Plan form the basis for the land use and transportation control portion of the AQMP.

Air Quality Management Plans

The SCAQMD's current air quality planning document is the *2016 Air Quality Management Plan* (2016 AQMP). The SCAQMD adopted the 2016 AQMP on March 3, 2017 (SCAQMD 2021). The 2016 AQMP is a regional and multi-agency effort among the SCAQMD, CARB, SCAG, and USEPA. The SCAQMD is responsible for ensuring that the SoCAB meets the NAAQS and CAAQS by reducing emissions from stationary (area and point), mobile, and indirect sources. To accomplish this goal, the SCAQMD prepares AQMPs in conjunction with the SCAG, County transportation commissions, and local governments; develops rules and regulations; establishes permitting requirements for stationary sources; inspects emissions sources; and enforces such measures through educational programs or fines, when necessary.

The 2016 AQMP evaluates integrated strategies and measures to meet the following NAAQS (SCAQMD 2021):

- 8-hour O₃ (75 parts per billion [ppb]) by 2032³
- Annual PM_{2.5} (12 micrograms per cubic meter [µg/m³]) from 2021 to 2025
- 8-hour O₃ (80 ppb) by 2024
- 1-hour O₃ (120 ppb) by 2023
- 24-hour PM_{2.5} (35 µg/m³) by 2019

South Coast Air Quality Management District Rules

The proposed Project would be required to comply with existing SCAQMD rules for the reduction of fugitive dust and criteria pollutant emissions. The following rules are most relevant to the proposed Project:

SCAQMD Rule 201 requires a "Permit to Construct" prior to the installation of any equipment "the use of which may cause the issuance of air contaminants . . ." and Regulation II provides the

³ On October 1, 2015, the USEPA lowered the 8-hour O₃ standard to 0.070 ppm (70 ppb). The SIP (or AQMP) for the 70 ppb standard will be due 4 years after the attainment/nonattainment designations are issued by the USEPA, which is expected in 2017. Thus, meeting the 70 ppb standard will be addressed in a 2021 AQMP.

requirements for the application for a Permit to Construct. Rule 203 similarly requires a Permit to Operate. Rule 219, Equipment not Requiring a Written Permit Pursuant to Regulation II, identifies “equipment, processes, or operations that emit small amounts of contaminants that shall not require written permits . . .” This would apply to the diesel backup generators that are proposed for each new building.

SCAQMD Rule 402, Nuisance, states that a project shall not “discharge from any source whatsoever such quantities of air contaminants or other material which cause injury, detriment, nuisance, or annoyance to any considerable number of persons or to the public, or which endanger the comfort, repose, health or safety of any such persons or the public, or which cause, or have a natural tendency to cause, injury or damage to business or property.”

SCAQMD Rule 403, Fugitive Dust, requires actions to prevent, reduce, or mitigate fugitive particulate matter emissions. These actions include applying water or chemical stabilizers to disturbed soils; managing haul road dust by applying water; covering all haul vehicles before transporting materials; restricting vehicle speeds on unpaved roads to 15 miles per hour (mph); and sweeping loose dirt from paved site access roadways used by construction vehicles. In addition, Rule 403 requires that vegetative ground cover be established on disturbance areas that are inactive within 30 days after active operations have ceased. Alternatively, an application of dust suppressants can be applied in sufficient quantity and frequency to maintain a stable surface. Rule 403 also requires grading and excavation activities to cease when winds exceed 25 mph.

SCAQMD Rule 445 has been adopted to reduce the emissions of particulate matter from wood-burning devices and prohibits the installation of such devices in any new development.

SCAQMD Rule 1113 governs the sale of architectural coatings and limits the VOC content in paints and paint solvents. Although this rule does not directly apply to the Project, it does dictate the VOC content of paints available for use during building construction.

SCAQMD Rule 1403, Asbestos Emissions from Demolition/Renovation Activities, specifies work practice requirements to limit asbestos emissions from building demolition and renovation activities, including the removal and associated disturbance of asbestos-containing materials (ACMs). All operators are required to maintain records, including waste shipment records, and are required to use appropriate warning labels, signs, and markings. Handling of ACMs is discussed in the Initial Study and Section 3.5, Hazards and Hazardous Materials, of this Draft EIR.

City

The Open Space and Conservation Element of the City of Pasadena’s General Plan states, “. . . while air quality is not a state-mandated element, air quality is included in the Open Space and Conservation Element to address reducing pollutant levels through stationary source, mobile source, transportation and land use control, and energy conservation measures” (Pasadena 2012). There are no policies in the Open Space and Conservation Element that are directly applicable to the Project air quality emissions or issues. The goals and policies, where referenced to air quality, are directed towards reduction of greenhouse gas (GHG) emissions and the sequestration of CO₂. GHG emissions are discussed in Section 3.4, Greenhouse Gas Emissions, of this Draft EIR.

3.1.3 THRESHOLDS OF SIGNIFICANCE

The following significance criteria are derived from Appendix G of the State CEQA Guidelines. A project would result in a significant adverse air quality impact if it would:

Threshold 3.1a: Conflict with or obstruct implementation of the applicable air quality plan;

Threshold 3.1b: Result in a cumulatively considerable net increase of any criteria pollutant for which the Project region is in non-attainment under an applicable federal or state ambient air quality standard; and/or

Threshold 3.1c: Expose sensitive receptors to substantial pollutant concentrations.

Appendix G of the State CEQA Guidelines also states that the significance criteria established by the applicable air quality management district may be relied upon to make significance determinations. The SCAQMD has established significance thresholds to assess the regional and localized impacts of Project-related air pollutant emissions. Table 3.1-5, SCAQMD Air Quality Significance Thresholds, on the following page presents the significance thresholds applied to the Project.

The Initial Study (provided in Appendix A-1) concluded the following threshold related to air quality was determined to result in less than significant impacts and was not carried forward into the Draft EIR for further analysis:

- Would the project result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?

3.1.4 METHODOLOGY

In June 2021, the SCAQMD in conjunction with the California Air Pollution Control Officers Association (CAPCOA) and other California air districts, released the latest version of the California Emissions Estimator Model™ (CalEEMod™), version 2020.4.0 (CAPCOA 2021). The purpose of this model is to calculate construction-source and operational-source pollutants (NO_x, VOC, PM₁₀, PM_{2.5}, SO_x, and CO) and GHG emissions from direct and indirect sources; and quantify applicable air quality and GHG reductions achieved from mitigation measures. CalEEMod version 2020.4.0 was used to estimate the criteria air pollutant emissions associated with the existing land uses to be removed and the proposed land uses for the Project and Project with Building A Residential/Commercial. The inputs and data for the modeling are described above for existing uses; below for proposed uses; and in Appendix B, Air Quality and Greenhouse Gas Emissions Modeling Data.

**TABLE 3.1-5
SCAQMD AIR QUALITY SIGNIFICANCE THRESHOLDS**

Mass Daily Thresholds ^a		
Pollutant	Construction	Operation
NOx	100 lbs/day	55 lbs/day
VOC	75 lbs/day	55 lbs/day
PM10	150 lbs/day	150 lbs/day
PM2.5	55 lbs/day	55 lbs/day
SOx	150 lbs/day	150 lbs/day
CO	550 lbs/day	550 lbs/day
Lead	3 lbs/day	3 lbs/day
TACs, Odor, and GHG Thresholds		
TACs (including carcinogens and non-carcinogens)	Maximum Incremental Cancer Risk ≥ 10 in 1 million Cancer Burden > 0.5 excess cancer cases (in areas ≥ 1 in 1 million) Chronic & Acute Hazard Index ≥ 1.0 (project increment)	
Odor	Project creates an odor nuisance pursuant to SCAQMD Rule 402	
GHG	10,000 MT/yr CO ₂ e for industrial facilities	
Ambient Air Quality Standards for Criteria Pollutants ^{b, c}		
NO ₂ 1-hour average annual arithmetic mean	The SCAQMD is in attainment; the Project is significant if it causes or contributes to an exceedance of the following attainment standards: 0.18 ppm (State) 0.03 ppm (State) and 0.0534 ppm (federal)	
PM10 24-hour average annual average	10.4 µg/m ³ (construction) ^c & 2.5 µg/m ³ (operation) 1.0 µg/m ³	
PM2.5 24-hour average	10.4 µg/m ³ (construction) ^c & 2.5 µg/m ³ (operation)	
SO ₂ 1-hour average 24-hour average	0.25 ppm (State) & 0.075 ppm (federal – 99 th percentile) 0.04 ppm (State)	
Sulfate 24-hour average	25 µg/m ³ (State)	
CO 1-hour average 8-hour average	SCAQMD is in attainment; project is significant if it causes or contributes to an exceedance of the following attainment standards: 20.0 ppm (State) and 35 ppm (federal) 9.0 ppm (State/federal)	
Lead 30-day average Rolling 3-month average	1.5 µg/m ³ (State) 0.15 µg/m ³ (federal)	
NO _x : nitrogen oxides, lbs/day: pounds per day, VOC: volatile organic compound, PM10: respirable particulate matter with a diameter of 10 microns or less, PM2.5: fine particulate matter with a diameter of 2.5 microns or less, SO _x : sulfur oxides, CO: carbon monoxide, TACs: toxic air contaminants, GHG: greenhouse gases, MT/yr CO ₂ e: metric tons per year of carbon dioxide equivalents, NO ₂ : nitrogen dioxide, ppm: parts per million, µg/m ³ : micrograms per cubic meter; SCAQMD: South Coast Air Quality Management District		
^a Source: SCAQMD CEQA Handbook (SCAQMD 1993)		
^b Ambient air quality thresholds for criteria pollutants based on SCAQMD Rule 1303, Table A-2 unless otherwise stated		
^c Ambient air quality threshold is based on SCAQMD Rule 403		
Source: SCAQMD 2019		

3.1.5 ENVIRONMENTAL IMPACTS

Threshold 3.1a: Would the Project conflict with or obstruct implementation of the applicable air quality plan?

CEQA requires a discussion of any inconsistencies between a project and applicable General Plans (GPs) and regional plans (Section 15125 of the State CEQA Guidelines). The regional plan that applies to the Project and Project with Building A Residential/Commercial is the SCAQMD's AQMP, discussed above in Section 3.1.2.

The SCAQMD CEQA Handbook states that "New or amended GP Elements (including land use zoning and density amendments), Specific Plans, and significant projects must be analyzed for consistency with the AQMP". The SCAQMD CEQA Handbook identifies two key indicators of consistency:

- (1) Whether the project will result in an increase in the frequency or severity of existing air quality violations or cause or contribute to new violations or delay timely attainment of air quality standards or the interim emission reductions specified in the AQMP.
- (2) Whether the project will exceed the assumptions in the AQMP or increments based on the year of project buildout and phase.

Both of these criteria are evaluated below for the Project and Project with Building A Residential/Commercial.

Project

First Criterion of AQMP Consistency

With respect to the first criterion, based on the air quality modeling conducted for the Project (see the discussion provided below under Thresholds 3.1b and 3.1c), construction and operation of the Project would not exceed the SCAQMD's CEQA thresholds of significance and consequently would not result in an increase in the frequency or severity of existing air quality violations nor cause or contribute to new violations, or delay timely attainment of air quality standards or the interim emissions reductions in the AQMP. This is demonstrated in Tables 3.1-6 and 3.1-7, below. Therefore, the Project is consistent with the first criterion.

Second Criterion of AQMP Consistency

With respect to the second criterion, the Project was assessed as to whether it would exceed the assumptions in the AQMP. The 2016 AQMP includes an analysis of emissions, meteorology, atmospheric chemistry, regional growth projections, and the impact of existing control measures. The purpose of the 2016 AQMP is to set forth a comprehensive program that would promote reductions in criteria pollutants, greenhouse gases, and toxic risk and efficiencies in energy use, transportation, and goods movement. The 2016 AQMP incorporates the latest scientific and technical information and planning assumptions, including SCAG's 2016-2040 Regional Transportation Plan/Sustainable Communities Strategy (RTP/SCS); updated emission inventory methods for various source categories; and SCAG's latest growth forecasts.⁴ The 2016 AQMP includes strategies and measures necessary to meet the NAAQS. The AQMP is based on projections of energy usage and vehicle trips from land uses within the SoCAB.

⁴ It is noted that SCAG adopted the 2020-2045 RTP/SCS in September 2020 and that SCAQMD is in the process of developing a 2022 AQMP.

The Project site is within the CD-6 (Central District Specific Plan, Arroyo Corridor/Fair Oaks subdistrict) zoning district. This is discussed further in Section 2.0, Environmental Setting and Project Description, of this Draft EIR. As discussed in Section 2.0, High-Quality Transit Areas (HQTAs) are areas within one-half mile of a fixed guideway transit stop or a bus transit corridor where buses pick up passengers at a frequency of every 15 minutes or less during peak commuting hours. Transit Priority Areas (TPAs) are areas within one-half mile of a major transit stop that is existing or planned (SCAG 2020). The Project site is within both a HQTA and TPA. Metro's Gold Line runs adjacent to the western site boundary. The nearest light rail platforms are Del Mar Station located approximately ¼-mile due north and Fillmore Station located approximately ¼-mile due south. Additional public transit service present near the site includes the California Boulevard/Arroyo Parkway Metro bus stop located in the ROW on the southern site boundary, and the Bellevue Drive/Arroyo Parkway Metro bus stop located in the ROW at the northeast corner of the site. The proximity of the Project site to the station would encourage the use of mass transit which is consistent with the AQMP's goal of using non-single occupancy vehicles. The Project would be a mixed-use development, providing a mix of medical, commercial, restaurant, and residential uses. The Project site is suitably located to encourage the use of public transit and active transportation modes for the residences, employees, and visitors to the Project site.

As discussed in Section 3.6, Land Use and Planning, of this Draft EIR, the Applicant seeks approval to rezone the site as a Planned Development (PD) district and approval of a PD Plan. The City's PD zone is a special purpose zoning district defined pursuant to Section 17.26.020(C) of the Pasadena Municipal Code. However, the Project uses would not exceed the development cap of 87 dwelling units per acre and 3.0 floor area ratio (FAR), and as such, would be consistent with the existing High Mixed-Use General Plan land use designation of the Project site. Because the General Plans of cities within the SoCAB are used to determine the regional emissions of the Basin, emissions related to the development of the Project site are therefore consistent with the growth expectations for the region. As such, the Project would not exceed the anticipated growth accounted for within the Land Use Element of the General Plan which helped formed the basis of the AQMP. In addition, the emissions generated by the Project are below the SCAQMD's significance thresholds, as demonstrated below. As such, no conflict with the 2016 AQMP would occur with the Project. There would be a less than significant impact, and no mitigation is required.

Project with Building A Residential/Commercial

First Criterion of AQMP Consistency

The impact findings for the Project with Building A Residential/Commercial would not differ from the impact findings for the Project, regarding conflict with or obstruction of the applicable air quality management plan. As demonstrated for the Project, the Project with Building A Residential/Commercial would be consistent with the first criterion for consistency with the 2016 AQMP. The Project would also not result in an increase in the frequency or severity of existing air quality violations or cause or contribute to new violations or delay timely attainment of air quality standards or the interim emission reductions specified in the AQMP. This is demonstrated in Tables 3.1-10 and 3.1-12 presented further below in response to Threshold 3.1b, which show that the Project with Building A Residential/Commercial would result in criteria pollutant emissions that are less than the SCAQMD's thresholds.

Second Criterion of AQMP Consistency

For the second criterion, the Project with Building A Residential/Commercial would also be located within a HQTA and TPA, and as such, encourages the use of mass transit, which is consistent with the AQMP's goal of using non-single occupancy vehicles. In fact, the Project with Building A Residential/Commercial would locate more residential uses proximate to uses that would

encourage the use of mass transit which is consistent with the AQMP's goal of using non-single occupancy vehicles. Additionally, the Project with Building A Residential/Commercial would not exceed the development cap of 87 dwelling units per acre or 3.0 FAR, and as such, would be also consistent with the High Mixed-Use General Plan land use designation of the Project. Consequently, the Project with Building A Residential/Commercial would be consistent with the second criterion for consistent with an applicable AQMP. There would be a less than significant impact and no mitigation is required.

Threshold 3.1b: Would the Project result in a cumulatively considerable net increase of any criteria pollutant for which the Project region is in non-attainment under an applicable federal or state ambient air quality standard?

As shown above in Table 3.1-2, the Project site is in a nonattainment area for O₃, PM₁₀, and PM_{2.5}. The Project and Project with Building A Residential/Commercial would generate PM₁₀, PM_{2.5}, and O₃ precursors (NO_x and VOC) during short-term construction and long-term operations, as discussed below.

Project

Construction Impacts

Construction-Related Regional Emissions

A project may have a significant impact where project-related emissions would exceed federal, State, or regional standards or thresholds, or where project-related emissions would substantially contribute to an existing or projected air quality violation. Conversely, a project with daily emission rates below the SCAQMD's established air quality significance thresholds (shown in Table 3.1-5) would have a less than significant effect on regional air quality. Project emissions were estimated using CalEEMod version 2020.4.0 program, as described above.

Project construction is planned to occur from March 2023 to January 2026 with a six-day work week. The CalEEMod input for construction emissions was based on the Project's construction assumptions and default assumptions derived from CalEEMod. Demolition would include an estimated 45,912 square feet (sf) of buildings and the export of approximately 300 14-cubic yard (cy) truckloads of debris. Grading for the subterranean garage and other areas for improvement would require the export of an estimated 184,013 cy of soil, requiring approximately 13,200 truckloads for export.

Table 3.1-6, Estimated Maximum Daily Construction Emissions, presents the estimated maximum daily emissions occurring both onsite and offsite during construction of the Project and compares the estimated emissions with the SCAQMD's daily regional emission thresholds. As shown in Table 3.1-6, all pollutant emissions would be below the SCAQMD's respective thresholds.

**TABLE 3.1-6
ESTIMATED MAXIMUM DAILY CONSTRUCTION EMISSIONS
FOR THE PROJECT**

Year	Emissions (lbs/day)					
	VOC	NO _x	CO	SO _x	PM10	PM2.5
2023	6	42	57	<1	4	2
2024	5	39	57	<1	3	2
2025	52	37	56	<1	3	2
2026	52	5	8	<1	1	<1
Maximum Emissions	52	42	57	<1	4	2
SCAQMD Thresholds (Table 3.1-5)	75	100	550	150	150	55
Exceeds SCAQMD Thresholds?	No	No	No	No	No	No

lbs/day: pounds per day; VOC: volatile organic compound; NO_x: nitrogen oxides; CO: carbon monoxide; SO_x: sulfur oxides; PM10: respirable particulate matter 10 microns or less in diameter; PM2.5: fine particulate matter 2.5 microns or less in diameter; SCAQMD: South Coast Air Quality Management District.

Values are higher of summer or winter.

Source: SCAQMD 2019 (thresholds); see Appendix B, Air Quality and Greenhouse Gas Emissions Modeling Data, for CalEEMod model outputs.

Construction-Related Localized Emissions

In addition to the mass daily emissions thresholds established by the SCAQMD, short-term local impacts to nearby sensitive receptors from on-site emissions of NO₂, CO, PM10, and PM2.5 are examined based on SCAQMD's localized significance threshold (LST) methodology. To assess local air quality impacts for development projects without complex dispersion modeling, the SCAQMD developed screening (lookup) tables to assist lead agencies in evaluating impacts.

The LST method is limited to projects that are five acres or less. For the purposes of an LST analysis, the SCAQMD considers receptors where it is possible that an individual could remain for 1 hour for NO₂ and CO exposure and 24 hours for PM10 and PM2.5 exposure. The emissions screening thresholds in the lookup tables are based on the SCAQMD's Air Quality Significance Thresholds and CARB's 1-hour NO₂ AAQS (SCAQMD 2008). The nearest off-site receptors that could be exposed for 1 hour to NO₂ and CO during construction would be the commercial uses west of the site beyond the light rail tracks, approximately 40 feet from the Project's western boundary. The nearest *sensitive* air quality receptors that could be exposed to PM10 and PM2.5 for 24 hours are residences in a multi-story building at 482 South Arroyo Parkway, approximately 100 feet from the Project site.

The screening thresholds are for receptors within 25 meters (82 feet) of the Project site to account for non-sensitive receptors located closer than the nearest sensitive receptor. The screening thresholds for receptors farther away would be higher and the Project emissions would be a smaller fraction of the screening thresholds. Table 3.1-7, Localized Construction Emissions for the Project, shows the maximum daily on-site emissions for construction activities compared with the SCAQMD LST screening thresholds. It is noted that this LST analysis is conservative because the nearest sensitive receptor for PM10 and PM2.5 is approximately 30 meters (100 feet) away.

The Project's maximum daily on-site emissions would occur during the building construction phase in 2023. As shown in Table 3.1-7, Localized Construction Emissions for the Project, the local emissions from the Project would be below the LST screening thresholds. There would be a less than significant impact, and no mitigation is required.

**TABLE 3.1-7
LOCALIZED CONSTRUCTION EMISSIONS FOR THE PROJECT**

Emissions and Thresholds	Emissions (lbs/day)			
	NO _x	CO	PM10	PM2.5
Project maximum daily on-site emissions	41	52	2	2
SCAQMD LST Screening Threshold^a	69	535	4	3
Exceed threshold?	No	No	No	No
lbs/day: pounds per day; NO _x : nitrogen oxides; CO: carbon monoxide; PM10: respirable particulate matter 10 microns or less in diameter; PM2.5: fine particulate matter 2.5 microns or less in diameter; LST: localized significance threshold.				
^a Data is for SCAQMD Source Receptor Area 8, West San Gabriel Valley.				
Source: SCAQMD 2009 (thresholds); see Appendix B, Air Quality and Greenhouse Gas Emissions Modeling Data, for CalEEMod outputs.				

Cumulative Construction Emissions

Construction activities associated with the Project would result in less than significant construction-related regional and localized air quality impacts, as quantified above in Tables 3.1-6 and 3.1-7, respectively. Short-term cumulative impacts related to air quality could occur if construction of the Project and other projects in the surrounding area were to occur simultaneously. In particular, with respect to local impacts, the consideration of cumulative construction particulate matter (i.e., PM10 and PM2.5) impacts is limited to cases when projects constructed simultaneously are within a few hundred yards of each other because of: (1) the combination of the short range (distance) of particulate dispersion (especially when compared to gaseous pollutants), and (2) the SCAQMD's required dust-control measures, which further limit particulate dispersion from the Project site. As of the preparation of this Draft EIR, there are no known nearby projects that would be concurrently under construction.

SCAQMD's policy with respect to cumulative impacts associated with the above-referenced pollutants and their precursors is that impacts that would be directly less than significant on a project level would also be cumulatively less than significant (SCAQMD 2003a). Because the Project's construction emissions are below the SCAQMD's regional and local significance thresholds, local construction emissions would not be cumulatively considerable. There would be a less than significant impact, and no mitigation is required.

Operational Impacts

The following section provides an analysis of potential long-term air quality impacts to regional air quality with the long-term operation of the Project. The potential operations-related air emissions have been assessed for both regional and local criteria pollutant emissions and cumulative impacts.

Operations-Related Regional Emissions

Operational emissions are comprised of area, energy, mobile, and stationary source emissions. The principal source of all long-term criteria pollutant emissions would be vehicle trips. Area source emissions are based on CalEEMod assumptions for the specific land uses and size. Energy emissions are based on the Applicant's estimate of natural gas use. Mobile source emissions are based on the estimated Project-related trip generation forecast of 6,366 daily trips, as provided in the Project TIA (Pasadena DOT 2021a) and the vehicle miles traveled (VMT) assumptions for the Project's trips (Pasadena DOT 2020). The emissions analyses for the Project also includes the anticipated electrical demand, natural gas demand, and mobile trips for the two historic buildings to be retained, which are assumed to operate as restaurants for the purposes of this Draft EIR. The peak daily Project long-term gross and net operational emissions are

summarized below in Table 3.1-8, Net Operational Emissions for the Project. The net operational emissions account for the emissions from the land uses to be demolished and/or replaced with the proposed Project uses on the site plus the land uses to be retained. As shown, all criteria pollutant emissions would be less than the SCAQMD mass regional daily emissions thresholds. It should be noted that operational emissions, without reductions from existing uses, would also be less than the SCAQMD mass regional daily emissions thresholds. There would be a less than significant operational regional impact, and no mitigation is required.

**TABLE 3.1-8
NET OPERATIONAL EMISSIONS FOR THE PROJECT**

Source	Emissions (lbs/day)					
	VOC	NO _x	CO	SO _x	PM ₁₀	PM _{2.5}
Area sources	8	<1	15	<1	<1	<1
Energy sources	<1	1	1	<1	<1	<1
Mobile sources	12	6	88	<1	18	5
Stationary – Generators	1	2	2	<1	<1	<1
Total Gross Operational Emissions*	21	10	106	<1	18	5
Less Existing Emissions (Table 3.1-3)	6	3	34	<1	6	2
Net Operational Emissions	15	6	71	<1	12	3
SCAQMD Significance Thresholds (Table 3.1-5)	55	55	550	150	150	55
Exceeds Threshold?	No	No	No	No	No	No

lbs/day: pounds per day; VOC: volatile organic compound; NO_x: nitrogen oxides; CO: carbon monoxide; SO_x: sulfur oxides; PM₁₀: respirable particulate matter 10 microns or less in diameter; PM_{2.5}: fine particulate matter 2.5 microns or less in diameter; SCAQMD: South Coast Air Quality Management District.

* Some totals do not add due to rounding. Highest of Winter or Summer model runs shown.

Source: SCAQMD 2019 (thresholds); see Appendix B, Air Quality and Greenhouse Gas Emissions Modeling Data, for CalEEMod model outputs.

Operations-Related Localized Emissions

Project-related air emissions from on-site sources such as emergency generators, vehicle usage (cars and trucks), landscaping equipment, and on-site usage of natural gas appliances may have the potential to generate emissions that exceed the State and federal air quality standards in the vicinity of the Project even though these pollutant emissions may not be significant enough to create a regional impact to the SoCAB.

The local air quality emissions from on-site operations were analyzed using the SCAQMD's Mass Rate LST Look-up Tables and the LST Methodology, as discussed further above. Table 3.1-9, Localized Operational Emissions for the Project, shows the on-site operational emissions from area sources, energy usage, vehicles operating on-site, and the calculated emissions screening thresholds.

**TABLE 3.1-9
LOCALIZED OPERATIONAL EMISSIONS FOR THE PROJECT**

On-Site Emission Source	Pollutant Emissions (pounds/day)			
	NO _x	CO	PM ₁₀	PM _{2.5}
Area Sources	0.2	15.0	0.1	0.1
Energy Sources	1.5	1.0	0.1	0.1
Mobile Sources ^a	0.2	2.2	0.4	0.1
Stationary Sources	2.0	1.8	0.1	0.1
Project's Total Maximum Daily On-Site Emissions	3.8	20.0	0.7	0.4
SCAQMD LST Screening Threshold^b	98.0	812.0	2.0	1.0
Exceeds Threshold?	No	No	No	No
lbs/day: pounds per day; NO _x : nitrogen oxides; CO: carbon monoxide; PM ₁₀ : respirable particulate matter 10 microns or less in diameter; PM _{2.5} : fine particulate matter 2.5 microns or less in diameter; LST: localized significance threshold.				
^a On-site vehicle emissions based on 2.5% of the gross vehicular emissions, which is the estimated portion of vehicle emissions occurring within a quarter mile of the Project site.				
^b Data is for SCAQMD Source Receptor Area 8, West San Gabriel Valley, with a source receptor distance of 25-meters, 2 acres.				
Source: SCAQMD 2009 (thresholds); see Appendix B, Air Quality and Greenhouse Gas Emissions Modeling Data, for CalEEMod outputs.				

As shown in Table 3.1-9, operation of the Project would not exceed the local NO_x, CO, PM₁₀, or PM_{2.5} LST screening thresholds. Operation of the Project would have a less than significant local operational impact to sensitive receptors, and no mitigation is required.

Cumulative Operational Emissions

As shown in Tables 3.1-8 and 3.1-9 above, operational regional emissions of VOC, NO_x, PM₁₀, and PM_{2.5} would be below the SCAQMD CEQA significance thresholds. Consistent with the approach described above (under the header "Cumulative Construction Impacts"), because the Project's operational emissions are less than the respective SCAQMD daily operational thresholds, the Project's operations phase activities would not contribute to a cumulatively considerable net increase of a pollutant for which the SoCAB is in nonattainment. Emissions of nonattainment pollutants or their precursors would not be cumulatively considerable. There would be a less than significant impact, and no mitigation is required.

Project with Building A Residential/Commercial

Construction Impacts

Construction-Related Regional Emissions

The Project with Building A Residential/Commercial construction is also planned to occur from March 2023 to January 2026 with a six-day work week. All Project with Building A Residential/Commercial construction assumptions would be consistent with those of the Project, except that grading for the subterranean garage and other areas for improvement would require 36,802 cy less of soil export than the Project (for a total of 147,211 cy of soil export) and 2,685 less truckloads than the Project (for a total of 10,515 truckloads for export). Table 3.1-10, Estimated Maximum Daily Construction Emissions for the Project with Building A Residential/Commercial, presents the estimated maximum daily emissions occurring both onsite and offsite during construction of the Project with Building A Residential/Commercial compared to the SCAQMD's daily regional emission thresholds. As shown in Table 3.1-10, all pollutant emissions would be below the SCAQMD's respective thresholds, consistent with the Project. The

emissions for the Project with Building A Residential/Commercial are comparable to those of the Project (refer to Table 3.1-6).

**TABLE 3.1-10
ESTIMATED MAXIMUM DAILY CONSTRUCTION EMISSIONS FOR THE
PROJECT WITH BUILDING A RESIDENTIAL/COMMERCIAL**

Year	Emissions (lbs/day)					
	VOC	NO _x	CO	SO _x	PM10	PM2.5
2023	6	42	58	<1	4	2
2024	5	39	57	<1	3	2
2025	48	37	57	<1	3	2
2026	48	5	8	<1	1	<1
Maximum Emissions	48	42	58	<1	4	2
SCAQMD Thresholds (Table 3.1-5)	75	100	550	150	150	55
Exceeds SCAQMD Thresholds?	No	No	No	No	No	No

lbs/day: pounds per day; VOC: volatile organic compound; NO_x: nitrogen oxides; CO: carbon monoxide; SO_x: sulfur oxides; PM10: respirable particulate matter 10 microns or less in diameter; PM2.5: fine particulate matter 2.5 microns or less in diameter; SCAQMD: South Coast Air Quality Management District.

Values are higher of summer or winter.

Source: SCAQMD 2019 (thresholds); see Appendix B, Air Quality and Greenhouse Gas Emissions Modeling Data, for CalEEMod model outputs.

Construction-Related Localized Emissions

Localized emissions for the Project with Building A Residential/Commercial were calculated to assess local air quality based on its construction assumptions. These were the same as the localized emissions for the Project. Consistent with the Project, the nearest off-site receptors that could be exposed for 1 hour to NO₂ and CO during construction would be the commercial uses west of the site, approximately 40 feet from the Project's western boundary. The nearest sensitive air quality receptors that could be exposed to PM10 and PM2.5 for 24 hours are residences in a multi-story building at 482 South Arroyo Parkway, approximately 100 feet from the Project site.

The emissions screening thresholds are for receptors within 25 meters (82 feet) of the Project site to account for non-sensitive receptors located closer than the nearest sensitive receptor. The screening thresholds for receptors farther away would be higher and the Project emissions would be a smaller fraction of the thresholds. Table 3.1-11, Localized Significance Threshold Construction Emissions for the Project with Building A Residential/Commercial, shows the maximum daily on-site emissions for construction activities compared with the SCAQMD LST screening thresholds. As with the Project, the LST analysis is conservative because the nearest sensitive receptor for PM10 and PM2.5 is approximately 30 meters (100 feet) away. The Project with Building A Residential/Commercial's maximum daily on-site emissions would also occur during the building construction phase in 2023, as for the Project. As shown in Table 3.1-11, the local emissions from the Project with Building A Residential/Commercial would be below the screening thresholds, and no significant impacts would result. No mitigation is required. The magnitude of emissions for the Project with Building A Residential/Commercial are comparable to the Project.

**TABLE 3.1-11
LOCALIZED CONSTRUCTION EMISSIONS FOR THE PROJECT WITH
BUILDING A RESIDENTIAL/COMMERCIAL**

Emissions and Thresholds	Emissions (lbs/day)			
	NO _x	CO	PM ₁₀	PM _{2.5}
Project maximum daily on-site emissions	41	52	2	2
SCAQMD LST Screening Threshold^a	69	535	4	3
Exceed threshold?	No	No	No	No
lbs/day: pounds per day; NO _x : nitrogen oxides; CO: carbon monoxide; PM ₁₀ : respirable particulate matter 10 microns or less in diameter; PM _{2.5} : fine particulate matter 2.5 microns or less in diameter; LST: localized significance threshold.				
^a Data is for SCAQMD Source Receptor Area 8, West San Gabriel Valley.				
Source: SCAQMD 2009 (thresholds); see Appendix B, <i>Air Quality and Greenhouse Gas Emissions Modeling Data</i> , for CalEEMod outputs.				

Cumulative Construction Emissions

Construction activities associated with the Project with Building A Residential/Commercial would result in less than significant construction-related regional and localized air quality impacts, as quantified above in Tables 3.1-10 and 3.1-11, respectively. Consistent with the Project analysis above, because the construction emissions estimated for the Project with Building A Residential/Commercial are below the SCAQMD's regional and local significance thresholds, construction emissions would not be cumulatively considerable. There would be a less than significant impact, and no mitigation is required.

Operational Impacts

Operations-Related Regional Impacts

Implementation of the Project with Building A Residential/Commercial would result in increased residential dwelling units and no medical office building uses. As such, the emissions are quantified in Tables 3.1-12, Net Operational Emissions for the Project with Building A Residential/Commercial, and 3.1-13, Localized Operational Emissions for the Project with Building A Residential/Commercial, to provide a comparison.

Operational emissions are comprised of area, energy, mobile, and stationary source emissions, consistent with the Project. The principal source of all long-term criteria pollutant emissions would be vehicle trips, consistent with the Project. However, as there would be less trips with the Project with Building A Residential/Commercial, there would be lower mobile emissions. Area source emissions are based on CalEEMod assumptions for the specific land uses and size. Energy emissions are based on the Applicant's estimate of natural gas use. Mobile source emissions are based on the estimated Project with Building A Residential/Commercial-related trip generation forecast of 2,494 daily trips (with transit reductions), as provided in the TIA prepared for the Project with Building A Residential/Commercial uses (Pasadena DOT 2021b), and the vehicle miles traveled (VMT) assumptions for the Project with Building A Residential/Commercial's trips (Pasadena DOT 2021c). It should be noted that the emissions analyses also include the anticipated electrical demand, natural gas demand, and mobile trips for the conversion of the two historic buildings to commercial uses. The peak daily long-term gross and net operational emissions are summarized below in Table 3.1-12. The net operational emissions account for the emissions from the land uses to be removed from the Project site. The operational emissions are comparable to those of the Project. The net operational emissions would be less than the SCAQMD mass regional daily emissions thresholds. It should be noted that the total gross

operational emissions, without reductions from existing uses, would also be less than the SCAQMD mass regional daily emissions thresholds. There would be a less than significant impact, and no mitigation is required.

**TABLE 3.1-12
NET OPERATIONAL EMISSIONS FOR THE PROJECT
WITH BUILDING A RESIDENTIAL/COMMERCIAL**

Source	Emissions (lbs/day)*					
	VOC	NO _x	CO	SO _x	PM10	PM2.5
Area sources	9	<1	31	<1	<1	<1
Energy sources	<1	1	1	<1	<1	<1
Mobile sources	5	2	34	<1	6	2
Stationary – Generators	1	2	2	<1	<1	<1
Total Gross Operational Emissions*	15	6	67	<1	7	2
Less Existing Emissions (<i>Table 3.1-3</i>)	6	3	34	<1	6	2
Net Operational Emissions*	9	2	33	<1	<1	<1
SCAQMD Significance Thresholds (<i>Table 3.1-5</i>)	55	55	550	150	150	55
Significant Impact?	No	No	No	No	No	No

lbs/day: pounds per day; VOC: volatile organic compound; NO_x: nitrogen oxides; CO: carbon monoxide; SO_x: sulfur oxides; PM10: respirable particulate matter 10 microns or less in diameter; PM2.5: fine particulate matter 2.5 microns or less in diameter; SCAQMD: South Coast Air Quality Management District.

* Some totals do not add due to rounding.

Source: SCAQMD 2019 (thresholds); see Appendix B, *Air Quality and Greenhouse Gas Emissions Modeling Data*, for CalEEMod model outputs.

Operations-Related Localized Emissions

Same as the Project, Project with Building A Residential/Commercial-related air emissions from on-site sources such as emergency generators, vehicle usage (cars and trucks), landscaping equipment, and on-site usage of natural gas appliances may have the potential to generate emissions that exceed the State and federal air quality standards in the vicinity of the Project even though these pollutant emissions may not be significant enough to create a regional impact to the SoCAB.

The local air quality emissions from on-site operations were analyzed using the SCAQMD's Mass Rate LST Look-up Tables and the LST Methodology. Table 3.1-13 shows the on-site operational emissions from area sources, energy usage, vehicles operating on-site, and the calculated emissions screening thresholds.

**TABLE 3.1-13
LOCALIZED OPERATIONAL EMISSIONS FOR THE PROJECT
WITH BUILDING A RESIDENTIAL/COMMERCIAL**

On-Site Emission Source*	Pollutant Emissions (pounds/day)			
	NOx	CO	PM10	PM2.5
Area Sources	0.4	31.0	0.2	0.2
Energy Sources	1.1	0.5	0.1	0.1
Mobile Sources ^a	0.1	0.8	0.2	0.04
Stationary Sources	2.0	1.8	0.1	0.1
Project's Total Maximum Daily On-Site Emissions	3.5	34.2	0.5	0.4
SCAQMD LST Screening Threshold^b	98.0	812.0	2.0	1.0
Exceeds Threshold?	No	No	No	No
lbs/day: pounds per day; NOx: nitrogen oxides; CO: carbon monoxide; PM10: respirable particulate matter 10 microns or less in diameter; PM2.5: fine particulate matter 2.5 microns or less in diameter; LST: localized significance threshold.				
^a On-site vehicle emissions based on 2.5% of the gross vehicular emissions, which is the estimated portion of vehicle emissions occurring within a quarter mile of the Project site.				
^b Data is for SCAQMD Source Receptor Area 8, West San Gabriel Valley, with a source receptor distance of 25-meters, 2 acres.				
Source: SCAQMD 2009 (thresholds); see Appendix B, Air Quality and Greenhouse Gas Emissions Modeling Data, for CalEEMod outputs.				

The data provided in Table 3.1-13 shows that the operations of the Project with Building A Residential/Commercial would not exceed the local NOx, CO, PM10, or PM2.5 screening thresholds, consistent with the Project. The operational emissions are comparable to those of the Project. The emissions would be less than the SCAQMD LST screening thresholds. There would be a less than significant impact, and no mitigation is required.

Cumulative Operational Impacts

Same as the Project, as shown in Tables 3.1-12 and 3.1-13, operational emissions of VOC, NOx, PM10, and PM2.5 would be below the SCAQMD CEQA significance thresholds for the Project with Building A Residential/Commercial. Therefore, because the Project with Building A Residential/Commercial's operational emissions are less than the respective SCAQMD daily operational thresholds, the Project with Building A Residential/Commercial's operational activities would not contribute to a cumulatively considerable net increase of a pollutant for which the SoCAB is in nonattainment. Emissions of nonattainment pollutants or their precursors would not be cumulatively considerable. There would be a less than significant impact, and no mitigation is required. This is comparable to the findings for the Project.

Threshold 3.1c: Would the Project expose sensitive receptors to substantial pollutant concentrations?

A significant impact may occur when a project would generate pollutant concentrations to a degree that would significantly affect sensitive receptors, which include populations that are more susceptible to the effects of air pollution than the population at large. Exposure of sensitive receptors is addressed for emissions from construction and operation of the Project. To address construction activities, the analysis below includes the following issues: localized air quality impacts from construction; and toxic air contaminants (TACs), specifically diesel particulate matter (DPM) from on-site construction. To address operational emissions, the analysis evaluates potential exposure to sensitive receptors, the analysis below discusses local air quality impacts from on-site operations, and CO hotspots. Operational, long-term TACs may be generated by

some industrial land uses; commercial land uses (e.g., gas stations and dry cleaners); and diesel vehicles at bus stations or warehouses. The proposed residential and commercial uses do not generate substantial quantities of TACs and are therefore not addressed in this analysis.

Project

Construction

Localized Impacts from Construction

Localized impacts from construction were analyzed above in response to Threshold 3.1b; specifically, Table 3.1-7 and associated analysis. Emissions were found to be less than the applicable SCAQMD LST screening thresholds; therefore, there would be a less than significant impact related to localized impacts from construction of the Project, and no mitigation is required.

Toxic Air Contaminant Emissions from On-Site Construction

Construction activities would result in short-term, project-generated emissions of DPM from the exhaust of off-road, heavy-duty diesel equipment used for site preparation; paving; building construction; and other miscellaneous activities. CARB identified DPM as a TAC in 1998. The dose to which receptors are exposed is the primary factor used to determine health risk. Dose is a function of the concentration of a substance or substances in the environment and the duration of exposure to the substance. Thus, the risks estimated for a maximally exposed individual (MEI) are higher if a fixed exposure occurs over a longer time period. According to the Office of Environmental Health Hazard Assessment (OEHHHA), health risk assessments—which determine the exposure of sensitive receptors to TAC emissions—should be based on a 40-year exposure period; however, such assessments should be limited to the period/duration of activities associated with the Project.

There would be relatively few pieces of off-road, heavy-duty diesel equipment in operation, and the total construction period of approximately 34 months would be relatively short when compared to a 40-year exposure period. Combined with the highly dispersive properties of DPM and additional reductions in particulate emissions from newer construction equipment, as required by USEPA and CARB regulations, construction emissions of TACs would not expose sensitive receptors to substantial emissions of TACs. The impact would be less than significant, and no mitigation is required.

Operational

Localized Criteria Pollutants from On-site Operations

Localized impacts from construction were analyzed in response to Threshold 3.1b; specifically, Table 3.1-9 and associated analysis. Emissions were found to be less than the applicable SCAQMD LST screening thresholds. Therefore, there would be a less than significant impact related to localized impacts from operation of the Project, and no mitigation is required.

Carbon Monoxide Hotspot

In an urban setting, vehicle exhaust is the primary source of CO. Consequently, the highest CO concentrations generally are found close to congested intersections. Under typical meteorological conditions, CO concentrations tend to decrease as the distance from the emissions source (e.g., congested intersection) increases. Localized areas where ambient concentrations exceed federal and/or State standards for CO are termed CO “hotspots”. According to the *Transportation Project-Level Carbon Monoxide Protocol* (the Protocol), projects may worsen air quality if they worsen

traffic flow, defined for signalized intersections as increasing average delay at intersections operating at Level of Service (LOS) E or F or causing an intersection that would operate at LOS D or better without the Project, to operate at LOS E or F with the Project (UCD ITS 1997). If impacts are less than significant close to congested intersections, impacts also would be less than significant at more distant sensitive-receptor and other locations. The Project's Transportation Impact Analysis – Outside of CEQA Analysis identified one signalized intersection, Arroyo Parkway at California Boulevard, that would operate at LOS E in the AM and PM peak hours with increased delay under Existing Plus Project conditions when compared to existing conditions (Pasadena DOT 2021a).

The 2003 AQMP and the 1992 Federal Attainment Plan for Carbon Monoxide (SCAQMD 2003b) evaluated numerous intersections for the potential to result in CO hotspots and found that the 1-hour CO standard (20.0 ppm) would likely not be exceeded until the daily traffic at the intersection exceeded more than 400,000 vehicles per day. Based on data in the Project's Transportation Impact Analysis – Outside of CEQA Analysis, average daily traffic at the Arroyo Parkway/California Street intersection under Existing Plus Project conditions is conservatively estimated at 48,000 vehicles based on PM peak hour traffic volumes being approximately 10 percent of average daily trips. The 48,000 daily trips at this intersection is substantially less than the 400,000 vehicles per day needed to exceed the CO standards. Therefore, CO concentrations at the intersection would be substantially less than the CO ambient air quality standards. Moreover, vehicle emission standards have become increasingly more stringent since 1992 and background CO concentrations are less than in 1992. As such, the small contribution of Project-related traffic would not result in CO concentrations that would exceed either the State or federal ambient air quality standards. The Project would result in less than significant impacts related to CO hotspots, and no mitigation is required.

Project with Building A Residential/Commercial

Construction

Localized Impacts from Construction

Localized impacts from construction were analyzed in response to Threshold 3.1b; specifically, Table 3.1-11 and associated analysis. Emissions were found to be less than the applicable SCAQMD LST screening thresholds. Therefore, there would be a less than significant impact related to localized impacts from construction of the Project with Building A Residential/Commercial, and no mitigation is required. This is comparable to the findings of the Project.

Toxic Air Contaminant Emissions from On-Site Construction

As with the Project, for the Project with Building A Residential/Commercial there would be relatively few pieces of off-road, heavy-duty diesel equipment in operation, and the total construction period of approximately 34 months would be relatively short when compared to a 40-year exposure period. Combined with the highly dispersive properties of DPM and additional reductions in particulate emissions from newer construction equipment, as required by USEPA and CARB regulations, construction emissions of TACs would not expose sensitive receptors to substantial emissions of TACs. The impact would be less than significant, and no mitigation is required. This is comparable to the findings of the Project.

Operational

Localized Criteria Pollutants from On-site Operations

Localized impacts from construction were analyzed in response to Threshold 3.1b; specifically, Table 3.1-9 and associated analysis. Emissions were found to be less than the applicable SCAQMD LST screening thresholds. Therefore, there would be a less than significant impact related to localized impacts from operation of the Project with Building A Residential/Commercial, and no mitigation would be required. This is comparable to the finding for the Project.

Carbon Monoxide Hotspot

Consistent with the Project, the Project with Building A Residential/Commercial's Transportation Impact Analysis – Outside of CEQA Analysis identified one signalized intersection, Arroyo Parkway at California Boulevard, that would operate at LOS E in the AM and PM peak hours with increased delay under Existing Plus Project conditions when compared to existing conditions for the PM peak hour, and slightly reduced delay for the AM peak hour (Pasadena DOT 2021b). Based on data in the Project with Building A Residential/Commercial TIA (Pasadena DOT 2021c), average daily traffic at the Arroyo Parkway/California Street intersection under Existing Plus Project conditions is conservatively estimated at 45,000 vehicles. Therefore, CO concentrations at the intersection would be substantially less than the CO ambient air quality standards. Moreover, vehicle emission standards have become increasingly more stringent since 1992 and background CO concentrations are less than in 1992. As such, the small contribution of Project-related traffic would not result in CO concentrations that would exceed either the State or federal ambient air quality standards. The Project with Building A Residential/Commercial would result in less than significant impacts related to CO hotspots, and no mitigation is required. This is comparable to the findings for the Project.

3.1.6 CUMULATIVE IMPACTS

Project

Consistency with the AQMP, as analyzed in Threshold 3.1a, is not subject to cumulative impact analysis. Threshold 3.1b analyzed cumulative construction and operational impacts and found both to be less than significant. SCAQMD's policy with respect to cumulative impacts—impacts that would be directly less than significant on a project level would also be cumulatively less than significant—is applicable to the TAC analysis analyzed in response to Threshold 3.1c. Direct TAC impacts would be less than significant; therefore, cumulative TAC impacts would be less than significant for the Project. With respect to CO hotspot impacts, although cumulative traffic is not addressed in the TIA, the Existing Plus Project traffic volume at the Arroyo Parkway/California Street intersection is substantially below the level of concern such that cumulative traffic could not approach the level of significance. There would be no cumulatively considerable impacts with Project implementation, and no mitigation is required.

Project with Building A Residential/Commercial

The cumulative impact findings for the Project, as stated above, would be applicable to the Project with Building A Residential/Commercial. Therefore, there would be no cumulatively considerable impact for the Project with Building A Residential/Commercial, and no mitigation is required.

3.1.7 MITIGATION MEASURES

No significant impacts related to air quality would occur, and no mitigation is required.

3.1.8 LEVEL OF SIGNIFICANCE AFTER MITIGATION

Less than significant.

3.1.9 SUMMARY OF ANALYSIS

Project

The Project would not result in a conflict with or obstruct implementation of the applicable air quality plan (the SCAQMD's 2016 AQMP); therefore, there would be less than significant impacts. The Project would not result in a cumulatively considerable net increase of any criteria pollutant for which the Project region is in non-attainment under an applicable federal or State AAQS, and impacts would be less than significant. The Project would not expose sensitive receptors to substantial pollutant concentrations, and as such, this impact would be less than significant.

Project with Building A Residential/Commercial

The summary of findings for the Project with Building A Residential/Commercial would be comparable to the findings for the Project. Specifically, the Project with Building A Residential/Commercial would not result in a conflict with or obstruct implementation of the applicable air quality plan (the SCAQMD's 2016 AQMP); therefore, there would be less than significant impacts. The Project with Building A Residential/Commercial would not result in a cumulatively considerable net increase of any criteria pollutant for which the Project region is in non-attainment under an applicable federal or State AAQS, and impacts would be less than significant. The Project with Building A Residential/Commercial would not expose sensitive receptors to substantial pollutant concentrations, and as such, this impact would be less than significant.

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3.2 CULTURAL AND PALEONTOLOGICAL RESOURCES

This section addresses potential impacts to cultural and paleontological resources that could result from the implementation of the Project or Project with Building A Residential/Commercial. Information in this section is derived from a *Historical Resource Assessment Report* (Historical Resource Assessment) prepared for the Project site by PaleoWest, LLC and dated January 14, 2022 (PaleoWest 2022, Appendix C-1); an archaeological records search conducted by the South Central Coastal Information Center (SCCIC) on July 24, 2020 (Appendix C-2); the Sacred Lands File search conducted by the Native American Heritage Commission (NAHC) received on July 15, 2020 and the Native American consultation initiated by the City on May 28, 2020 (Appendix C-2); and a paleontological resource record search conducted by the Natural History Museum of Los Angeles County (NHM) received on December 25, 2020 (Appendix C-3). Section 3.10, Tribal Cultural Resources, provides further information regarding the Native American consultation conducted pursuant to Assembly Bill (AB) 52.

3.2.1 EXISTING CONDITIONS

Archaeological and Historical Resources

Historical Resource Assessment Report

A pedestrian survey of the Project site was conducted as part of the Historical Resource Assessment by PaleoWest on May 4, 2020. During the field survey, the exteriors of the buildings within the Project site were analyzed, photographed, and recorded. Any building or structure determined to have been built prior to 1975 or to be potentially eligible for the CRHR were formally evaluated on Department of Parks and Recreation (DPR) 523 series forms. The Historical Resource Assessment from PaleoWest is presented in Appendix C-1.

In addition to the Project site, the general conditions and character of the surrounding area were observed during the field survey on May 4, 2020. Attention to building types, uses, spatial organization, periods of construction, architectural styles, and other characteristics were noted at this time. A subsequent desktop analysis of the previously documented historical resources identified within the Project vicinity was also conducted. This entailed using readily available digital tools, such as street views from February 2021, to confirm current conditions of these resources and to cross-reference this with existing documentation related to the historic status of each resource, including California Historical Resources Inventory Database (CHRID) entries, DPR 523 forms, and National Register of Historic Preservation (NRHP) nominations.

South Central Coastal Information Center Record Search

A literature review and records search were conducted by Psomas at the SCCIC at California State University, Fullerton on July 30, 2020. The SCCIC records were used by Psomas and provided to PaleoWest. This inventory effort included the Project site and a 0.5-mile radius around the Project site, collectively termed the "Project study area." The objective of this records search was to identify prehistoric or historical cultural resources that have been recorded within the broader context surrounding the Project site during prior cultural resource investigations.

The SCCIC search included a review of all recorded sites and cultural resources reports on file for the Project study area. The results from the information center indicated that 17 cultural resources investigations were previously conducted within the 0.5-mile radius. However, of the 17 previous investigations, the SCCIC indicated that none of the studies overlapped with the current Project site.

While no previous investigations included any portion of the Project site, there are individual resources documented outside the preparation of a cultural resources investigation that are present on site. The SCCIC search identified 63 historic built environment resources previously identified within the 0.5-mile radius. A copy of the records search results in is included in Appendix C-2.

Project Site

The SCCIC search did not identify any archaeological sites within the Project site but did identify three historic built environmental resources in the Project site, as shown in Table 3.2-1, below.

**TABLE 3.2-1
PREVIOUSLY RECORDED HISTORICAL RESOURCES ON THE PROJECT SITE**

Primary No	Resource Name/Address	Resource Type	Year Built	Year Recorded	Historic Status (NRHP, CRHR, Local)
P-19-183400	Pacific Electric Railroad Garage/465 S. Arroyo Parkway	Building	1923, 2007	1986	Potentially Local eligible
P-19-183401	Market Basket Warehouse/ 501-503 S. Arroyo Parkway	Building	1940	1989	Local eligible
P-19-183402	Lewis Iron Building/ 523 S. Arroyo Parkway	Building	1922	1989	Local eligible
Source: SCCIC 2020 and PaleoWest 2022.					

Preliminary desktop review of the resources identified within the Project site confirmed that both 501 South Arroyo Parkway and 523 South Arroyo Parkway appear to be extant (e.g., remain present on the site). These properties were previously recommended as eligible for the local register and are, therefore, considered historical resources for the purposes of CEQA. The former Pacific Electric Railroad Garage, which was also previously recommended eligible for the Local Register, appears to be partially extant. The building was integrated into the existing commercial building occupied by Whole Foods Market. Currently, the east and north facades of this building remain, while the remainder of the building was removed and replaced with new construction in 2007.

Project Vicinity

In addition to the resources located within the Project site, multiple historical resources were identified in the records in the surrounding vicinity. For the purposes of the Historical Resources Assessment, and the potential analysis of the Project and its indirect impact to the setting and adjacent and nearby historical resources, a separate overlay was outlined to identify those resources that have the potential to be impacted. Referred to herein as the "Project vicinity," this area was delineated to account for potential indirect impacts, such as visual or atmospheric alterations, resulting from the Project.

The Project vicinity is centered around the Project site, which corresponds with the entire subject block fronting South Arroyo Parkway to the east and is bounded by East Bellevue Drive to the north, East California Boulevard to the south, and the Los Angeles Metropolitan Transportation Authority (Metro) light rail alignment to the rear (i.e., west). The boundaries of the Project vicinity extend approximately one city block in each direction to align with East Del Mar Boulevard to the north, Edmondson Alley to the west, Pico Street to the south, and South Marengo Avenue to the east. Within the Project vicinity, nine historic resources were identified, including seven buildings and two historic districts; one historic district is fully within the Project vicinity whereas the other is only partially within the delineated area.

Table 3.2-2 below outlines those previously recorded historical resources located within the Project vicinity.

**TABLE 3.2-2
PREVIOUSLY RECORDED HISTORICAL RESOURCES
IN THE PROJECT VICINITY**

Primary Number	Resource Name/Address	Resource Type	Year Built	Year Recorded	Historic Status (NRHP, CRHR, Local)
P-19-180051	The Home Laundry	Building	1922	1987	NRHP-listed, CRHR-listed, Local-listed
P-19-180068	S. Marengo Historic District	Historic District	1901-1916	1981	NRHP-listed, CRHR-listed, Local-listed
P-19-180069	Don Carlos Court/ 374-386 S. Marengo Ave	Building	1927	1983	NRHP-listed, CRHR-listed, Local-listed
P-19-180070	Evanston Inn/ 385-395 S. Marengo Ave	Building	1897	1981	NRHP-listed, CRHR-listed, Local-listed
P-19-180680	Bryan Court, Adams Court/ 427 S. Marengo	Historic District	1916	1981	NRHP-listed, CRHR-listed, Local-listed
P-19-183343	George S. Hunt Studio & Shop Building/ 161 E. California Blvd.	Building	1927	1991, 2000	Local eligible
P-19-183344	Wallace Neff Office/ 180 E. California Blvd.	Building	1927	1991, 2011	NRHP eligible, Local-listed
P-19-183346	Raymond Flowers/ 62 E. California Blvd.	Building	1933	1991, 2004	NRHP eligible, Local eligible
P-19-183399	Cornet Building/ 411 S. Arroyo Parkway	Building	1945	1989, 2012	Potentially eligible for NRHP, CRHR, Local (needs re-evaluation)
P-19-183403	Bryan's Cleaners/ 544 S. Arroyo Parkway	Building	1938	1986	Local eligible
P-19-183407	Pasadena Humane Society/ 361 S. Raymond Ave	Building	1929	1989	NRHP-listed, CRHR-listed, Local-listed
P-19-183408	Royal Laundry, Milus Textile Service/ 443 S. Raymond Ave	Building	1927	1991, 2000, 2007	NRHP-listed, CRHR-listed, Local-listed
LD17 (City #)	Marengo-Pico Landmark District	Historic District	1912-1927	2008, 2011	Local-listed
Source: SCCIC 2020 and PaleoWest 2022					

Additional Sources

In addition to the records search, general contextual and site-specific research was conducted for the Project site and the surrounding area. Additional sources consulted include the NRHP, the Office of Historic Preservation Directory of Properties in the Historic Property Data File, Los Angeles County Assessor files, historical newspapers databases, historic Sanborn Fire Insurance Maps, Los Angeles Public Library databases, newspaper.com, ancestry.com, Pasadena city directories, and the City's CHRID system.

Historical maps consulted include the Los Angeles (USGS 1894, 1900), Altadena (USGS 1928), and Pasadena (USGS 1953, 1966, 1972, 1988, 1955) 7.5-minute USGS quadrangles. The 1894 and 1900 maps depicted the Project site as thoroughly built out, but no extant buildings within the Project site were depicted. The 1928 map showed two buildings within the Project site that roughly correspond with 495 South Arroyo Parkway and 501 South Arroyo Parkway. A review of available Sanborn Fire Insurance Maps from 1931 through 1951 was also conducted.

Native American Heritage Commission

Psomas submitted a request to the Native American Heritage Commission (NAHC) for a Sacred Lands File search on July 10, 2020. Results were received on July 15, 2020. The result of the Sacred Lands File (SLF) check conducted by the NAHC was positive for sacred places or objects with cultural value to a California Native American tribe. The NAHC recommended contacting the Gabrieleno Band of Mission Indians – Kizh Nation for more information. The Sacred Lands File results summary from the NAHC is presented in Appendix C-2. The results of Native American consultation pursuant to Assembly Bill 52 is presented in Section 3.10, Tribal Cultural Resources.

Paleontological Resources

Natural History Museum Los Angeles County

Psomas submitted a request to the NHM for a paleontological resource record search on December 16, 2020. Results were received on December 25, 2020. The results of the paleontological resources record search were negative for fossil localities within the Project site; however, the museum did identify several localities nearby from the same sedimentary deposits that occur in the Project site, either at the surface or at depth. These include mastodon (*Mammut*), Horse (*Equus*), Birds (*Aves*) from the Pleistocene Epoch, and several unidentifiable invertebrate specimens from the Pliocene Epoch. The records search results summary from the NHM is presented in Appendix C-3.

3.2.2 RELEVANT CULTURAL RESOURCE REGULATIONS

Federal

National Historic Preservation Act

The National Historic Preservation Act (NHPA) of 1966, as amended, promotes the preservation, enhancement, and productive use of historic resources. The NHPA established the Advisory Council on Historic Preservation (ACHP) and provided procedures for the ACHP and federal agencies in promoting historic preservation. Properties of traditional religious and cultural importance to Native Americans are protected under Section 101(d)(6)(A) of the NHPA.

Section 106 of the NHPA requires that federal actions and the use of federal funds take into account their potential effects on historic properties or those listed in or eligible for listing in the National Register of Historic Places (NRHP, National Register). Under Section 106, the significance of any adversely affected cultural resource is assessed and mitigation measures are proposed to reduce the impacts to an acceptable level.

National Register of Historic Places

Authorized by the NHPA, the U.S. Department of the Interior National Park Service's NRHP is part of a national program to coordinate and support public and private efforts to identify, evaluate, and protect America's historic and archaeological resources. The NRHP is the official list of the nation's historic places worthy of preservation. Listing on the National Register places no

obligations on private property owners. It places no restrictions on the use, treatment, transfer, or disposition of private property. Listing on the NRHP does, however, incentivize preservation. Property owners can become eligible to receive federal preservation grants and federal tax credits; they may utilize alternative methods of preservation in compliance with building code provisions. For a resource to qualify for listing on the NRHP, the quality of significance in American history, architecture, archaeology, engineering, and culture must be present in districts, sites, buildings, structures, and objects that possess integrity and:

- A. are associated with events that have made a significant contribution to the broad patterns of our history; or
- B. are associated with the lives of persons significant in our past; or
- C. embody distinctive characteristics of a type, period, or method of construction, or that represent the work of a master, or that possess high artistic values, or that represent a significant and distinguishable entity whose components may lack individual distinction; or
- D. have yielded or may be likely to yield information important in prehistory or history.

Integrity

To be eligible for listing in the NRHP, a property must retain sufficient integrity to convey its significance. The NRHP publication *How to Apply the National Register Criteria for Evaluation* (National Register Bulletin 15) establishes how to evaluate the integrity of a property: “Integrity is the ability of a property to convey its significance”. The evaluation of integrity must be grounded in an understanding of a property’s physical features and how they relate to the concept of integrity. Determining which of these aspects are most important to a property requires knowing why, where, and when a property is significant. To retain historic integrity, a property must possess several, and usually most, aspects of integrity:

1. **Location** is the place where the historic property was constructed or the place where the historic event occurred.
2. **Design** is the combination of elements that create the form, plan, space, structure, and style of a property.
3. **Setting** is the physical environment of a historic property and refers to the character of the site and the relationship to surrounding features and open space. Setting often refers to the basic physical conditions under which a property was built and the functions it was intended to serve. These features can be either natural or man-made, including vegetation, paths, fences, and relationships between other features or open space.
4. **Materials** are the physical elements that were combined or deposited during a particular period or time and in a particular pattern or configuration to form a historic property.
5. **Workmanship** is the physical evidence of crafts of a particular culture or people during any given period of history or prehistory and can be applied to the property as a whole or to individual components.
6. **Feeling** is a property’s expression of the aesthetic or historic sense of a particular period of time. It results from the presence of physical features that, when taken together, convey the property’s historic character.

7. **Association** is the direct link between the important historic event or person and a historic property.

Secretary of the Interior's Standards and Guidelines for Archaeology and Historic Preservation

The *Secretary of the Interior's Standards for the Treatment of Historic Properties with Guidelines for Preserving, Rehabilitating, and Reconstructing Historic Buildings* or the *Secretary of the Interior's Standards for Rehabilitation and Guidelines for Rehabilitating Historic Buildings* (Weeks and Grimmer 1995) (both referred to as the SOI Standards were codified in 1995 (36 *Code of Federal Regulations* [CFR] Part 68) to establish professional standards that apply to all proposed development grant-in-aid projects assisted through the National Historic Preservation Fund and to serve as general guidance for work on any other historic building. The SOI Standards apply to historic properties of all periods, styles, types, materials, and sizes. The ten Standards for Rehabilitation are:

1. A property will be used as it was historically or be given a new use that requires minimal change to its distinctive materials, features, spaces, and spatial relationships.
2. The historic character of a property will be retained and preserved. The removal of distinctive materials or alteration of features, spaces, and spatial relationships that characterize a property will be avoided.
3. Each property will be recognized as a physical record of its time, place, and use. Changes that create a false sense of historical development, such as adding conjectural features or elements from other historic properties, will not be undertaken.
4. Changes to a property that have acquired historic significance in their own right will be retained and preserved.
5. Distinctive materials, features, finishes, and construction techniques or examples of craftsmanship that characterize a property will be preserved.
6. Deteriorated historic features will be repaired rather than replaced. Where the severity of deterioration requires replacement of a distinctive feature, the new feature will match the old in design, color, texture, and, where possible, materials. Replacement of missing features will be substantiated by documentary and physical evidence.
7. Chemical or physical treatments, if appropriate, will be undertaken using the gentlest means possible. Treatments that cause damage to historic materials will not be used.
8. Archaeological resources will be protected and preserved in place. If such resources must be disturbed, mitigation measures will be undertaken.
9. New additions, exterior alterations, or related new construction will not destroy historic materials, features, and spatial relationships that characterize the property. The new work will be differentiated from the old and will be compatible with the historic materials, features, size, scale and proportion, and massing to protect the integrity of the property and its environment.
10. New additions and adjacent or related new construction will be undertaken in such a manner that, if removed in the future, the essential form and integrity of the historic property and its environment would be unimpaired.

State

California Environmental Quality Act

The Project is subject to compliance with CEQA, as amended. Specifically, under Public Resources Code Section 21084.1, a “project that may cause a substantial adverse change in the significance of an historical resources is a project that may have a significant effect on the environment.” The first step in the CEQA compliance process in terms of historical resources is to identify any that may be impacted by the project.

“Historical resource” is a term with a defined statutory meaning (Public Resources Code Section 21084.1). The determination of significant impacts on historical and archaeological resources is described in Sections 15064.5(a) and 15064.5(b) of the State CEQA Guidelines. Section 15064.5(a) states that historical resources include the following:

1. A resource listed in, or determined to be eligible by the State Historical Resources Commission, for listing in the [CRHR] (Public Resources Code Section 5024.1).
2. A resource included in a local register of historical resources, as defined in Section 5020.1(k) of the Public Resources Code or identified as significant in a historical resource survey meeting the requirements of Section 5024.1(g) of the Public Resources Code, will be presumed to be historically or culturally significant. Public agencies must treat any such resource as significant unless the preponderance of evidence demonstrates that it is not historically or culturally significant.
3. Any object, building, structure, site, area, place, record, or manuscript which a lead agency determines to be historically significant or significant in the architectural, engineering, scientific, economic, agricultural, educational, social, political, military, or cultural annals of California may be considered to be a historical resource, provided the lead agency’s determination is supported by substantial evidence in light of the whole record. Generally, a resource will be considered by the lead agency to be historically significant if the resource meets the criteria for listing in the [CRHR] (Public Resources Code Section 5024.1).
4. The fact that a resource is not listed in or determined to be eligible for listing in the CRHR, not included in a local register of historical resources (pursuant to Section 5020.1(k) of the Public Resources Code), or identified in a historical resources survey (meeting the criteria in Section 5024.1(g) of the Public Resources Code) does not preclude a lead agency from determining that the resource may be an historical resource as defined in Public Resources Code Section 5020.1(j) or 5024.1.

Cultural resources are buildings, sites, humanly modified landscapes, traditional cultural properties, structures, or objects that may have historical, architectural, cultural, or scientific importance based on established criteria. CEQA states that if a project will have a significant impact on important cultural resources, deemed “historically significant,” then project alternatives and mitigation measures must be considered.

California Register of Historical Resources

The CRHR established a list of properties that are to be protected from substantial adverse change (Public Resources Code Section 5024.1). A historical resource may be listed in the CRHR if it exhibits significance under one or more of the following criteria:

1. It is associated with events that have made a significant contribution to the broad patterns of California’s history and cultural heritage.

2. It is associated with the lives of persons important in California's past.
3. It embodies the distinctive characteristics of a type, period, region, or method of construction, or represents the work of an important creative individual, or possesses high artistic value.
4. It has yielded or is likely to yield information important in prehistory or history.

In addition to exhibiting significance under one or more of the above criteria, a resource must also retain sufficient historical integrity to convey its significance. Historical integrity is the physical aspects of a resource related to its historic character. Integrity is evaluated through seven aspects: location, design, setting, materials, workmanship, feeling, and association.

The CRHR includes properties that are listed or have been formally determined to be eligible for listing in the NRHP, State Historical Landmarks, and eligible Points of Historical Interest. Other resources require nomination for inclusion in the CRHR. These may include:

- resources contributing to the significance of a local historic district,
- individual historical resources,
- historical resources identified in historic resource surveys conducted in accordance with State Historic Preservation Office procedures,
- historic resources or districts designated under a local ordinance consistent with Commission procedures, and
- local landmarks or historic properties designated under local ordinance.

California Historical Building Code

The California State Historical Building Code (CHBC) (*California Code of Regulations*, Title 24, Part 8) is intended to save California's architectural heritage by recognizing the unique construction issues inherent in maintaining and adaptively reusing historic buildings. The CHBC's standards and regulations facilitate the rehabilitation or change of occupancy so as to preserve their original or restored elements and features; to encourage energy conservation and a cost-effective approach to preservation; and to provide for reasonable safety from fire, seismic forces, or other hazards for occupants and users of such buildings, structures, and properties and to provide reasonable availability and usability by the physically disabled. The 2019 triennial edition of the CHBC, effective January 1, 2020, is the currently adopted code. The City has adopted the CHBC by reference (Section 14.04.010 of the Pasadena Municipal Code [PMC]) and amended in Section 14.04.258 by adding the following: "4. The use of wood on the exterior side of exterior walls shall be prohibited in the Extreme, high and moderate fire hazard severity zones as identified by the Pasadena Fire Department".

California Health and Safety Code (Sections 7050.5, 7051, and 7054)

Sections 7050.5, 7051, and 7054 of the *California Health and Safety Code* collectively address the illegality of interference with human burial remains (except as allowed under applicable sections of the *California Public Resources Code* [PRC]). These sections also address the disposition of Native American burials in archaeological sites and protect such remains from disturbance, vandalism, or inadvertent destruction. Procedures to be implemented are established for (1) the discovery of Native American skeletal remains during construction of a project; (2) the treatment of the remains prior to, during, and after evaluation; and (3) reburial.

Section 7050.5 of the *California Health and Safety Code* specifically provides for the disposition of accidentally discovered human remains. Section 7050.5 states that if human remains are

found, no further excavation or disturbance of the site or any nearby area reasonably suspected to overlie adjacent remains shall occur until the County Coroner has determined the appropriate treatment and disposition of the human remains.

California Public Resources Code (Section 5097.98)

Section 5097.98 of the PRC states that, if remains are determined by the Coroner to be of Native American origin, the Coroner must notify the NAHC within 24 hours. When the NAHC receives this notification from a County Coroner, it shall immediately notify those persons it believes to be most likely descended from the deceased Native American. The descendants may, with the permission of the owner of the land or his or her authorized representative, inspect the site of the remains and may recommend to the owner or the person responsible for the excavation work means for treatment or disposition, with appropriate dignity, of the human remains and any associated grave goods. The descendants shall complete their inspection and make recommendations or preferences for treatment within 48 hours of being granted access to the site. This regulation also requires that, upon the discovery of Native American remains, the landowner shall ensure that the immediate vicinity, according to generally accepted cultural or archaeological standards or practices, where the Native American human remains are located, is not damaged or disturbed by further development activity until the landowner has discussed and conferred with the most likely descendants regarding their recommendations and all reasonable options regarding their preferences for treatment. This section of the PRC has been incorporated into Section 15064.5(e) of the State CEQA Guidelines.

City

Mills Act

The Mills Act (Sections 50280 et. seq. of the California Government Code) grants participating local agencies (cities and counties) the authority to contract with the owners of qualified historical properties, pursuant to the CHBC (discussed above), who actively participate in the rehabilitation, restoration, and/or maintenance their historic property while receiving property tax relief. While State law enacted the Mills Act, the program is administered by local governments, which establish their own criteria and determine how many contracts to allow in their jurisdiction.

The City of Pasadena adopted the “Historic Property Contract Program” to establish the procedures and guidelines to receive financial incentives for designating, rehabilitating, or protecting historic buildings.

City of Pasadena Historic Preservation Ordinance

The City of Pasadena has established an historic preservation program to promote “the identification, evaluation, rehabilitation, adaptive use, and restoration of historic structures.” The criteria for the designation of historic monuments, landmarks, historic signs, landmark trees, or landmark districts are applied “according to applicable National Register of Historic Places Bulletins for evaluating historic properties”. These criteria are excerpted, below, from Section 17.62.040 of the PMC.

Historic Monuments

A historic monument shall include all historic resources previously designated as historic treasures before adoption of [Zoning Code Chapter 17.62] in 2002, historic resources that are listed in the National Register at the State-wide or federal level of significance (including National Historic Landmarks) and any historic resource that is significant at a regional, State, or federal

level, and is an exemplary representation of a particular type of historic resource and meets one or more of the following criteria:

- a) It is associated with events that have made a significant contribution to the broad patterns of the history of the region, State, or nation.
- b) It is associated with the lives of persons who are significant in the history of the region, State, or nation.
- c) It is exceptional in the embodiment of the distinctive characteristics of a historic resource property type, period, architectural style, or method of construction, or that is an exceptional representation of the work of an architect, designer, engineer, or builder whose work is significant to the region, State, or nation, or that possesses high artistic values that are of regional, State-wide, or national significance.
- d) It has yielded, or may be likely to yield, information important in prehistory or history of the region, State, or nation.

A historic monument designation may include significant public or semi-public interior spaces and features.

Landmarks

A landmark shall include all properties previously designated a landmark before adoption of [Zoning code Chapter 17.62] in 2002 and any historic resource that is of a local level of significance and meets one or more of the criteria listed below.

A landmark may be the best representation in the City of a type of historic resource or it may be one of several historic resources in the City that have common architectural attributes that represent a particular type of historic resource. A landmark shall meet one or more of the following criteria:

- a) It is associated with events that have made a significant contribution to the broad patterns of the history of the City.
- b) It is associated with the lives of persons who are significant in the history of the City.
- c) It embodies the distinctive characteristics of a type, architectural style, period, or method of construction, or represents the work of an architect, designer, engineer, or builder whose work is of significance to the City or possesses artistic values of significance to the City.
- d) It has yielded, or may be likely to yield, information important locally in prehistory or history.

Historic Signs

A historic sign shall include all signs in the sign inventory as of the date of adoption of the Zoning Code and any sign subsequently designated historically significant by the Historic Preservation Commission that possesses high artistic values. A historic sign shall meet one or more of the following criteria:

- a) The sign is exemplary of technology, craftsmanship or design of the period when it was constructed, uses historic sign materials and means of illumination, and is not significantly altered from its historic period. Historic sign materials shall include metal or wood facings, or paint directly on the façade of a building. Historic means of illumination shall include incandescent light fixtures or neon tubing on the exterior of the sign. If the sign has been altered, it must be restorable to its historic function and appearance.

- b) The sign is integrated with the architecture of the building.
- c) A sign not meeting criteria a or b above may be considered for inclusion in the inventory if it demonstrates extraordinary aesthetic quality, creativity, or innovation.

All other regulations relating to signs shall comply with Chapter 17.48 (Signs).

Landmark Trees

A tree shall qualify to be of historic or cultural significance and of importance to the community if it meets any one of the following criteria:

1. It is one of the largest or oldest trees of the species located in the City;
2. It has historical significance due to an association with a historic event, person, site, street, or structure; or
3. It is a defining landmark or significant outstanding feature of a neighborhood.

Landmark Districts

A landmark district shall include all landmark districts previously designated before adoption of this Chapter and any grouping of contiguous properties that also meet the following criteria:

- a) Within its boundaries, a minimum of 60 percent of the properties qualify as contributing; and
- b) The grouping represents a significant and distinguishable entity of Citywide importance and one or more of a defined historic, cultural, development and/or architectural context(s) (e.g., 1991 Citywide historic context, as amended, historic context prepared in an intensive level survey or historic context prepared specifically for the nominated landmark district).

When considering applications to designate a landmark district, the Historic Preservation Commission shall use the National Register of Historic Places Bulletin #21: "Defining Boundaries for National Register Properties."

3.2.3 THRESHOLDS OF SIGNIFICANCE

The following significance criteria are derived from Appendix G of the State CEQA Guidelines. A project would result in a significant adverse cultural and paleontological resources impact if it would:

- Threshold 3.2a:** Cause a substantial adverse change in the significance of a historical resource pursuant to Section 15064.5;
- Threshold 3.2b:** Cause a substantial adverse change in the significance of an archaeological resource pursuant to Section 15064.5;
- Threshold 3.2c:** Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature.

The Initial Study (provided in Appendix A-1) concluded the following threshold related to cultural resources was determined to result in less than significant impacts and was not carried forward into the Draft EIR for further analysis:

- Would the project result disturb any human remains, including those interred outside of formal cemeteries?

3.2.4 METHODOLOGY

An Historical Resource Assessment for the Project site was prepared by PaleoWest and dated January 14, 2022 (Appendix C-1). As discussed previously, Psomas conducted an archaeological records search on July 24, 2020 at the SCCIC at California State University, Fullerton; submitted a request to the NAHC for a Sacred Lands File search on July 10, 2020, the results were received on July 15, 2020 (Appendix C-2); submitted a request to the NHM for a paleontological resource record search on December 16, 2020, the results were received on December 25, 2020 (Appendix C-3); and initiated Native American consultation consistent with AB 52 on May 28, 2020. The records search results were reviewed by a Registered Professional Archaeologist and combined with the findings of the Historical Resource Assessment, considered in the analysis of potential impacts to historic, archaeological, and paleontological resources.

3.2.5 ENVIRONMENTAL IMPACTS

Threshold 3.2a: Would the Project cause a substantial adverse change in the significance of a historical resource pursuant to Section 15064.5?

Project

The buildings at 491, 495, 499, 503, and 541 South Arroyo Parkway were evaluated for historical significance by applying the criteria of the CRHR and the Local Register using data gathered during the pedestrian survey and information acquired through historical research. PaleoWest recommends that the buildings at 491, 495, 499, 503, and 541 South Arroyo Parkway are not eligible for inclusion in the CRHR or the Local Register. PaleoWest concurs with the previous recommendation that the buildings at 501 and 523 South Arroyo Parkway are eligible for the Local Register and observed no changes that would compromise that assessment. Further, PaleoWest recommends that the buildings at 501 and 523 South Arroyo Parkway are locally eligible for the CRHR under Criterion C. Therefore, both buildings at 501 South Arroyo Parkway and 523 South Arroyo Parkway are historical resources for the purposes of CEQA (PaleoWest 2022, Appendix C-1).

Collectively, the buildings located at 491, 495, 499, 501, 503, 523, and 541 South Arroyo Parkway (referred to herein as the South Arroyo Parkway Industrial District) were evaluated to determine if they represent a potential historic district due to the timing of their construction and original development of industrial uses along a railroad and near downtown Pasadena. PaleoWest's analysis of the South Arroyo Parkway Industrial District included determining if it is locally eligible for the CRHR under Criterion A and as a City Landmark District. The analysis found that the district does not retain sufficient integrity to convey its historical significance. The buildings have been modified over time to accommodate their current use as commercial buildings. These modifications have led to a loss of historic material and have fundamentally changed the use and design of the buildings. Buildings that were constructed during the period of significance of the potential district, have been substantially altered over time, fragmenting the association of the extant buildings with their interrelated historical use, and compromising the integrity of setting, feeling, and association. Therefore, the South Arroyo Parkway Industrial District is not a historical resource for the purposes of CEQA (PaleoWest 2022, Appendix C-1).

As determined in the Historic Resources Assessment, the Project site contains two historic resources: the buildings at 501 and 523 South Arroyo Parkway. Based on available plans, the Project would not involve the physical destruction of the buildings at 501 and 523 South Arroyo Parkway, nor would it result in any significant internal or external physical modifications that would compromise the historic integrity of the buildings. The Project would change the setting, but those changes would not physically alter the buildings and are not substantial enough to compromise the overall historic integrity or obstruct the view of the buildings from the public right-of-way. The surrounding area has been modified over time by new construction and modifications to existing buildings, including the construction of multi-story buildings, which has resulted in the disruption of the historical setting. Therefore, the Project would not result in a substantive adverse change to the historic integrity of the buildings at 501 and 523 South Arroyo Parkway.

While the current Project description would not result in a substantive adverse change to the historic integrity of the buildings at 501 and 523 South Arroyo Parkway, the potential for future internal and external modifications to them does exist in the form of tenant improvements. However, the City's existing design review process, established in Zoning Code Section 17.61.030, requires a finding of consistency with the SOI's Standards to approve any proposed exterior changes to historical buildings within the Central District. Therefore, mitigation measure (MM) CUL-1 requires that the Project Applicant engage with a licensed architect and/or engineer that meets the SOI's Professional Qualifications Standards to develop a series of protection interventions and protocols that would preserve the two historical resources on the Project site – 501 and 523 South Arroyo Parkway – during construction activities. These protocols shall take into consideration the protection of and security of both resources, particularly the preservation of the character-defining features through the installation of physical protective barriers around each resource and the creation of site protocols that will eliminate the potential for physical damage resulting from impacts associated with construction and transport of equipment.

The potential for vibration to cause damage to the buildings at 501 and 523 South Arroyo Parkway is addressed in Section 3.7, Noise, of this Draft EIR. The most damaging sources of vibrations include blasting and pile driving. The Project's construction would not include blasting or pile driving; therefore, vibrations from these particularly damaging activities would not impact the buildings at 501 and 523 South Arroyo Parkway. However, there is potential for some construction equipment that would be used on the site to cause cosmetic damage to these buildings because of vibration. Implementation of MM NOI-1, which outlines setbacks for operation of vibration-causing construction equipment, would reduce the potential for cosmetic damage to these two buildings to a less than significant level.

Implementation of MM CUL-1 would ensure that potential tenant improvements associated with this Project do not result in a significant impact on the identified historical buildings. The Project is not expected to cause a substantial adverse change in the significance of a historical resource as defined in Section 15064.5.

Project with Building A Residential/Commercial

The analysis of historical resources for the Project with Building A Residential/Commercial would be the same as that of the Project, as both buildings at 501 South Arroyo Parkway and 523 South Arroyo Parkway are planned to be preserved and integrated into the site development in the same way as the Project. Therefore, the Project with Building A Residential/Commercial would not involve the physical destruction of 501 South Arroyo Parkway and 523 South Arroyo Parkway, nor would it result any significant physical modifications that would comprise the historic integrity of the buildings. Through implementation of MM CUL-1, tenant improvements to 501 and 523 South Arroyo Parkway would result in less than significant impacts to a documented historical resource. As with the Project, the Project with Building A Residential/Commercial would not compromise the overall historic integrity of, nor obstruct the public view of, the historic buildings.

As discussed for the Project, the potential for vibration to cause damage to the buildings at 501 and 523 South Arroyo Parkway is addressed in Section 3.7, Noise, of this Draft EIR. Implementation of MM NOI-1, which outlines setbacks for operation of vibration-causing construction equipment, would reduce the potential for cosmetic damage to these two buildings to a less than significant level. Therefore, with implementation of MMs CUL-1 and NOI-1, the Project with Building A Residential/Commercial is not expected to cause a substantial adverse change in the significance of a historical resource as defined in Section 15064.5.

Threshold 3.2b: Would the Project cause a substantial adverse change in the significance of an archaeological resource pursuant to Section 15064.5?

Project

There are no known archaeological resources within the Project site; additionally, no known archaeological resources are within ½-mile of the Project site (Appendix C-2). However, the Project site is located within a region of California that has evidence for human occupation dating back several thousand years as noted by the positive SLF results for sacred sites located near the Project site. Thus, archaeological resources have the potential to be present in native sediments beneath the Project site. Therefore, the potential to encounter previously unidentified archaeological resources is a potentially significant impact. This impact would be reduced to a less than significant level with implementation of MM CUL-2, which requires attendance by a qualified archaeologist at the pre-grade conference and identifies actions to take in the event that cultural resources (i.e., prehistoric sites, historic sites, and/or isolated artifacts) are discovered.

Project with Building A Residential/Commercial

The Project with Building A Residential/Commercial would have one less level of subterranean parking spanning both proposed buildings. However, the possibility of unknown, intact archaeological resources being present in native sediments beneath the Project site remains the same as the Project. Therefore, with implementation of MM CUL-2, there would be a less than significant impact related to encountering unknown archaeological resources.

Threshold 3.2c: Would the Project directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?

Project

No unique geologic features are known to exist, and no fossils have been documented on the Project site. The City's General Plan EIR states that "Although Quaternary Old Alluvial Deposits [such as those beneath the site] in general have the potential to yield fossils, the paleontological sensitivity in these areas of the City is considered low due to its proximity to the mountains to the north. Since the older Quaternary alluvial sediments are close to the sediment source, the uppermost layers of these deposits are likely too coarse-grained to preserve fossils. However, abundant fossils occur in the Topanga Formation. The Topanga Formation is in the southwesternmost portions of the City and near the South Fair Oaks specific plan area. Grading and excavations deeper than six feet into the Topanga Formation have the potential to impact significant fossils" (Pasadena 2015). Accordingly, the City requires monitoring for projects that could excavate within the Topanga Formation; however, the Project would not involve excavation in the Topanga Formation. There would be less than significant impacts related to paleontological resources, and no mitigation is required.

Project with Building A Residential/Commercial

The Project with Building A Residential/Commercial would have one less level of subterranean parking spanning both proposed buildings. As discussed for the Project, the Project with Building A Residential/Commercial would not involve excavation in the Topanga Formation, which has potential to yield significant paleontological resources. There would be a less than significant impacts related to encountering unknown archaeological resources, and no mitigation is required.

3.2.6 CUMULATIVE IMPACTS**Project**

Although cultural resources are site-specific regarding any given resource (e.g., resources of important cultural value to Native Americans and the history of California), impacts may be considered cumulative simply because they relate to the loss of cultural resources in general over time throughout the region. Historic structures that may be altered or demolished in and near the City could affect the cultural significance of an individual site or the structure, as well as incrementally diminish the City's historical context. As noted above, the buildings at 501 and 523 South Arroyo Parkway are eligible for the Local Register and eligible for the CRHR under Criterion C; however, the Project is not expected to cause a substantial adverse change in the significance of either resource as defined in Section 15064.5 with implementation of MM CUL-1. Compliance with CEQA and the City's Historic Preservation Ordinance would prevent significant adverse impacts on historical resources in the City and avoid a cumulative contribution to the loss of historical resources during development throughout the City pursuant to the General Plan. Implementation of MM NOI-1, which outlines setbacks for operation of vibration-causing construction equipment, would reduce the potential for cosmetic damage to these two buildings to a less than significant level. Therefore, the Project would not result in a cumulatively considerable impact to historical resources.

Regarding archaeological resources, there are no known resources listed or determined eligible for listing on the Project site. Implementation of MM CUL-2, consistent with the City's General Plan, would reduce potential impacts to archaeological resources to a less than significant level. The City requires implementation of this mitigation where there is potential to encounter unknown cultural resources, as appropriate, thereby avoiding a cumulative contribution to the loss of archaeological resources during development throughout the City pursuant to the General Plan. The Project site is not located in the portions of the City considered to be paleontologically sensitive. Therefore, the Project would not result in a cumulatively considerable impact to archaeological and paleontological resources.

Project with Building A Residential/Commercial

The cumulative analysis of the Project with Building A Residential/Commercial would be the same as that of the Project. The Project with Building A Residential/Commercial is not expected to cause a substantial adverse change in the significance of either resource as defined in Section 15064.5 with implementation of MM CUL-1. Compliance with CEQA and the City's Historic Preservation Ordinance would prevent significant adverse impacts on historical resources in the City and avoid a cumulative contribution to the loss of historical resources during development throughout the City pursuant to the General Plan EIR. Implementation of MM NOI-1, which outlines setbacks for operation of vibration-causing construction equipment, would reduce the potential for cosmetic damage to the two buildings to a less than significant level. Therefore, the Project with Building A Residential/Commercial would not result in a cumulatively considerable impact to historical resources.

The more limited excavation associated with one less level of subterranean parking would not reduce the possibility of unknown, intact archaeological resources being present in native sediments beneath the site. The City requires implementation of this mitigation (herein MM CUL-2) where there is potential to encounter unknown cultural resources, as appropriate, thereby avoiding a cumulative contribution to the loss of archaeological resources during development throughout the City pursuant to the General Plan. The site is not located in the portions of the City considered to be paleontologically sensitive. Therefore, the Project with Building A Residential/Commercial would not result in a cumulatively considerable impact to archaeological and paleontological resources.

3.2.7 MITIGATION MEASURES

MM CUL-1 To the satisfaction of the City, the Project Applicant shall engage with a licensed architect and/or engineer that meets the Secretary of the Interior's Professional Qualifications Standards for historic architect to develop a series of protection interventions and protocols that will preserve the two historical resources on the Project site – 501 and 523 South Arroyo Parkway – during all construction activities in, on, and near these two buildings. These measures shall take into consideration the protection of and security of both resources, particularly the preservation of the character-defining features through the installation of physical protective barriers around each resource and the creation of site protocols that will eliminate the potential for physical damage resulting from impacts with construction and transport equipment.

To ensure the protection of these resources and their character-defining features, all protective barriers (which shall be installed prior to the initiation of any construction activity) and protocols shall be compliant with the *Secretary of the Interior's Standards for Rehabilitation and Guidelines for Rehabilitating Historic Buildings* (Weeks and Grimmer 1995) (Standards) and be subject to review and approval by the City planning staff.

Site protocols for protecting the historical resources shall outline issues related to site access and navigation by contractors and construction personnel to reduce the potential for any inadvertent accidents between equipment and the two on-site historical resources. Additionally, a series of emergency measures shall be developed that outlined specific step-by-step processes in the event that an accident involves one of the historical resources. This will likely include the following:

- 1) Stop-work protocols after an accident involving a historical resource occurs,
- 2) Notification procedures and identification key contacts,
- 3) Identification of qualified historic preservation professionals to investigate the historical resources following the determination that the area is safe,
- 4) Thorough conditions assessment of the resource by the qualified consultant to ascertain the level and extent of the damage, and
- 5) Preparation of a historical resource treatment plan to stabilize the historical resource and address the damage, which will be submitted to City staff for review and approval prior to completing the work and resumption of construction activities.

Additionally, protocols shall include regular on-site monitoring during construction activities by historic preservation consultant, either a SOI Qualified historic architect or architectural historian. The historic preservation consultant shall document the existing conditions of each resource prior to the initiation of any construction activity and prior to installation of the protective barriers and implementation of the protection protocols. This documentation phase will include high resolution digital photographs of each facade, as well as details of character-defining features for each resource. During construction, the historic preservation consultant shall prepare field report memoranda to the City confirming that the Standards compliant protection barriers are installed in accordance with the Standards, and that agreed upon protocols are being followed throughout the course of the Project. These memoranda will be submitted to City staff for their records and review. A final report outlining the conditions of the historical resources prior, during, and following the Project's construction shall be issued to the City for approval following construction activities and prior to the issuance of a Certificate of Occupancy.

- MM CUL-2** If cultural resources are discovered during construction of land development projects in Pasadena that may be eligible for listing in the California Register for Historic Resources, all ground disturbing activities in the immediate vicinity of the find shall be halted until the find is evaluated by a Registered Professional Archaeologist. If testing determines that significance criteria are met, then the project shall be required to perform data recovery, professional identification, radiocarbon dates as applicable, and other special studies; and provide a comprehensive final report including site record to the City and the South-Central Coastal Information Center at California State University Fullerton. No further grading shall occur in the area of the discovery until Planning Department approves the report.

3.2.8 LEVEL OF SIGNIFICANCE AFTER MITIGATION

The mitigation measures identified above would reduce potential impacts associated with historic and archaeological resources to a less than significant level. There would be less than significant impacts related to paleontological resources, and no mitigation is required. Therefore, no significant and unavoidable impacts relating to cultural resources have been identified.

3.2.9 SUMMARY OF ANALYSIS

Project

Based on the Historical Resource Assessment prepared for the Project site, the buildings at 501 and 523 South Arroyo Parkway are historical resources for the purposes of CEQA (PaleoWest 2022, Appendix C-1). While the Project's tenant improvements do not anticipate demolishing, moving, or making major alterations to these historic resources, these plans remain conceptual and have not yet been finalized. Therefore, there may be a potential for impact and MM CUL-1 would be required to ensure that any alterations to these two structures meet the SOI's Standards. The potential for vibration to cause damage to the buildings at 501 and 523 South Arroyo Parkway is addressed in Section 3.7, Noise, of this Draft EIR. Implementation of MM NOI-1, which outlines setbacks for operation of vibration-causing construction equipment, would reduce the potential for cosmetic damage to these two buildings to a less than significant level. With implementation of MMs CUL-1 and NOI-1, there would be a less than significant impact to historical resources.

There are no known archaeological or paleontological resources on the Project site. However, based on the results on the cultural resources records searches conducted for the Project site

and vicinity (Appendices C-2), unknown archaeological resources have potential to be present in native sediments beneath the Project site. Therefore, MM CUL-2, which is consistent with the City's General Plan EIR, would be required. With implementation of MM CUL-2, the Project would result in less than significant impacts related to archaeological resources. The Project site is not located in the portions of the City considered to be paleontologically sensitive. Therefore, there would be less than significant impacts related to paleontological resources, and no mitigation is required.

Project with Building A Residential/Commercial

The analysis of cultural resources for the Project with Building A Residential/Commercial would be the same as that of the Project regarding the documented historic resources (501 and 523 South Arroyo Parkway). The more limited excavation associated with one less level of subterranean parking would not reduce the possibility of unknown, intact archaeological resources being present in native sediments beneath the site. With implementation of MMs CUL-1, CUL-2, and NOI-1, the Project with Building A Residential/Commercial would result in less than significant impacts related to historic and archaeological resources. The site is not located in the portions of the City considered to be paleontologically sensitive. Therefore, there would be less than significant impacts related to paleontological resources, and no mitigation is required.

3.2.10 REFERENCES

- PaleoWest, LLC. (PaleoWest). 2022 (January 14). *Historical Resource Assessment Report of the Affinity Project, Pasadena, Los Angeles County, California*. San Diego, CA: PaleoWest. Appendix C-1.
- Pasadena, City of. 2015 (January). *Pasadena General Plan Draft Environmental Impact Report Volume I*. Pasadena, CA: the City. General-Plan_Draft-EIR_2015-01.pdf (cityofpasadena.net).
- Weeks (K.D.) and Grimmer (A.E.). 2017. *The Secretary of the Interior's Standards for the Treatment of Historic Properties with Guidelines for Preserving, Rehabilitating, Restoring and Reconstructing Historic Buildings*. Washington, D.C.: Weeks and Grimmer. The Secretary of the Interior's Standards for the Treatment of Historic Properties With Guidelines For Preserving, Rehabilitating, Restoring & Reconstructing Historic Buildings (nps.gov).

3.3 **ENERGY**

3.3.1 **EXISTING CONDITIONS**

The Project site consists of five parcels developed with a total of nine commercial buildings with seven businesses with an existing building area of 125,465 square feet (sf). These existing uses consume electricity as well as natural gas for space heating and cooking needs. Depending on when these buildings were built or renovated, they would have complied with the energy efficiency standards that were adopted at that time.

3.3.2 **RELEVANT PROGRAMS AND REGULATIONS**

Federal

The Office of Energy Efficiency and Renewable Energy's (EERE) mission is to accelerate the research, development, demonstration, and deployment of technologies and solutions to equitably transition America to net-zero greenhouse gas emissions economy-wide by no later than 2050, and ensure the clean energy economy benefits all Americans, creating good paying jobs for the American people—especially workers and communities impacted by the energy transition and those historically underserved by the energy system and overburdened by pollution (EERE 2021).

EERE's work will involves the four principles:

- Building the clean energy economy in a way that benefits all Americans. We must address environmental injustices that disproportionately affect communities of color, low-income communities, and indigenous communities.
- Fostering a diverse science, technology, engineering, and math (STEM) workforce. We need to increase awareness of clean energy job opportunities at minority-serving institutions and ensure that organizations receiving EERE funding are thinking through diversity and equity in their own work.
- Developing more robust workforce training opportunities to build a pipeline for permanent, good-paying jobs for the clean energy workforce.
- Working closely and learning from state and local governments.

State

Title 24 Energy Efficiency Standards

The Energy Efficiency Standards for Residential and Nonresidential Buildings (Title 24, Part 6 of the *California Code of Regulations* [CCR]) were established in 1978 in response to a legislative mandate to reduce California's energy consumption. The currently applicable standards are the 2019 Standards, effective January 1, 2020. The 2019 standards focus on four key areas: smart residential photovoltaic systems, updated thermal envelope standards (preventing heat transfer from the interior to exterior and vice versa), residential and nonresidential ventilation requirements, and nonresidential lighting requirements. The ventilation measures improve indoor air quality, protecting homeowners from air pollution originating from outdoor and indoor sources (California Energy Commission [CEC] 2021). The requirements of the energy efficiency standards result in the reduction of natural gas and electricity consumption. Both natural gas and electricity use produce GHG emissions. The goal of the standards is to reduce energy use in new homes by more than 50 percent. The 2019 standards require that there is sufficient on-site electricity generation to meet the annual electricity usage for low rise residential buildings. A 30 percent

reduction in energy uses is anticipated for nonresidential uses. The requirement for low-rise residential buildings to develop onsite electricity generation is consistent with the goal to develop renewable sources of energy.

The CEC adopted the 2008 changes to the Building Energy Efficiency Standards in order to (1) “Provide California with an adequate, reasonably-priced, and environmentally-sound supply of energy” and (2) “Respond to Assembly Bill 32, the Global Warming Solutions Act of 2006, which mandates that California must reduce its greenhouse gas emissions to 1990 levels by 2020”. Additionally, it has been California policy that all new residential buildings will be zero net energy (ZNE) by 2020 and new commercial buildings will be ZNE by 2030, as described in the 2008 California Public Utilities Commission (CPUC) long-term energy efficiency strategic plan. In 2013, the CEC, in coordination with the CPUC, commenced a process to update the Title 24 energy efficiency standards and, the 2016 Title 24 Energy Efficiency Standards establish building design and construction requirements that move closer to achieving California’s ZNE goals. The requirements of the energy efficiency standards result in the reduction of natural gas and electricity consumption. Both natural gas use and electricity generation result in GHG emissions.

California Green Building Standards Code

The 2019 California Green Building Standards Code (24 CCR, Part 11), also known as the CALGreen code, contains mandatory requirements and voluntary measures for new residential and nonresidential buildings (including buildings for retail, office, public schools and hospitals) throughout California). The development of the CALGreen Code is intended to improve public health, safety, and general welfare by enhancing the design and construction of buildings through the following construction practices: (1) planning and design; (2) energy efficiency; (3) water efficiency and conservation; (4) material conservation and resource efficiency; and (5) environmental quality. In short, the code is established to reduce construction waste; make buildings more efficient in the use of materials and energy; and reduce environmental impact during and after construction.

Senate Bills 1078, 107, and SBX1-2 (Renewable Portfolio Standards)

Established in 2002 under SB 1078, accelerated in 2006 under SB 107, and again in 2011 under SBX1-2, California’s Renewable Portfolio Standard (RPS) requires retail sellers of electric services to increase procurement from eligible renewable energy resources to 33 percent of total retail sales by 2020. Initially, the RPS provisions applied to investor-owned utilities, community choice aggregators, and electric service providers. SBX1-2 added, for the first time, publicly owned utilities to the entities subject to RPS.

Senate Bill 100

On September 10, 2018, Governor Brown signed SB 100, the 100 Percent Clean Energy Act of 2018. SB 100 requires renewable energy and zero-carbon resources to supply 100 percent of electric retail sales to end-use customers and 100 percent of electricity procured to serve state agencies by December 31, 2045. This policy requires the transition to zero-carbon electric systems that do not cause contributions to increase of GHG emissions elsewhere in the western electricity grid (CEC 2021b). SB 100 also creates new standards for the RPS goals established by SB 350 in 2015. Specifically, the bill increases required energy from renewable sources for both investor-owned utilities and publicly owned utilities from 50 percent to 60 percent by 2030.

City Green Building Ordinance

The City green building ordinance is Municipal Code Sections 14.04.500 through 14.04-511 (as amended). The ordinance incorporates the 2019 CALGreen and 2019 Building and Energy

Efficiency Standards. Under the ordinance, nonresidential development that is over 25,000 square feet would be subject to the mandatory Tier 1 CALGreen standards, and nonresidential development over 50,000 square feet would be subject to the mandatory Tier 2 CALGreen standards (Section 14.04.504).

City of Pasadena Green City Action Plan

The City of Pasadena developed and adopted the Green City Action Plan on September 18, 2006 (Pasadena 2006). The plan, which contains various actions and goals applicable on a local level, was prepared to create a more sustainable City capable of meeting growing demand and reducing impacts to natural resources. There are seven focus areas within the plan: (1) Energy, (2) Waste Reduction, (3) Urban Design, (4) Urban Nature, (5) Transportation, (6) Environmental Health, and (7) Water. Each of these focus areas contains actions and goals.

A partial list of these actions and goals related to energy that are applicable to the Project and Project with Building A Residential/Commercial is shown below:

- **Action 2:** Reduce the city's peak electric load by 10 percent within seven years through energy efficiency, shifting the timing of energy demands and conservation measures.
- **Action 8:** Advance higher density, mixed use, walkable, bikeable, and disabled accessible neighborhoods which coordinate land use and transportation with open space systems for recreation and ecological restoration.
- **Action 13:** Expand affordable public transportation coverage to within ½ kilometer of all city residents in ten years.
- **Action 15:** Implement a policy to reduce the percentage of commute trips by single occupancy vehicles by 10 percent in seven years.

3.3.3 THRESHOLDS OF SIGNIFICANCE

The following significance criteria are derived from Appendix G of the State CEQA Guidelines. A project would result in a significant adverse energy impact if it would:

Threshold 3.3a: Result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation; and/or

Threshold 3.3b: Conflict with or obstruct a State or local plan for renewable energy or energy efficiency.

3.3.4 METHODOLOGY

Energy consumption was calculated for the construction and operations phases of the Project and the Project with Building A Residential/Commercial. Fuel consumption from construction worker, vendor, and delivery/haul trucks as well as operations phase vehicle trips were calculated using the trip rates and distances provided in the CalEEMod construction output files, as provided in Appendix B, Air Quality and Greenhouse Gas Emissions Modeling Data, of this Draft EIR. Operations phase trip generation and trip lengths were provided within the City's traffic analysis, provided in Appendix G-1, Transportation Impact Analysis/CEQA Evaluation for Project, and Appendix G-2, Transportation Impact Analysis/CEQA Evaluation for Project with Building A Residential/Commercial. Total vehicle miles traveled (VMT) were then calculated for each type of construction and operations-related trips and divided by the corresponding miles per gallon factor using CARB's Emissions FACTor (EMFAC) 2017 model. EMFAC provides the total annual VMT

and fuel consumed for each vehicle type. Utility-related energy consumption was estimated and provided by the Applicant. The inputs and data for the modeling are provided in Appendix D, Energy Modeling Data.

3.3.5 ENVIRONMENTAL IMPACTS

Threshold 3.3a: Would the Project result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation?

Project

Construction

Construction of the Project would require the use of construction equipment for grading and building activities; all off-road construction equipment is assumed to use diesel fuel. Transportation energy use depends on the type and number of trips, VMT, fuel efficiency of vehicles, and travel mode. During construction, transportation energy would be used for the transport and use of construction equipment, from delivery vehicles and haul trucks, and from construction employee vehicles that would use gasoline and/or diesel fuel. The use of these energy resources fluctuates according to the phase of construction and would be temporary. Table 3.3-1, Construction-Related Energy Use for the Project, quantifies anticipated energy use during construction activities of the Project. The use of these energy resources fluctuates according to the phase of construction and would be temporary.

**TABLE 3.3-1
CONSTRUCTION-RELATED ENERGY USE FOR THE PROJECT**

Source	Gasoline Fuel (gallons)	Diesel Fuel (gallons)
Off-road Construction Equipment	59,671	71,430
Worker commute	57,735	274
Vendors	1,253	21
On-road haul	22	18,937
Total	118,682	90,662
Source: Energy data can be found in Appendix D, Energy Modeling Data.		

Construction energy use could be considered wasteful, inefficient, or unnecessary if construction equipment is not well-maintained such that its energy efficiency is substantially lower than newer equipment; if equipment idles even when not in use; if construction trips utilize longer routes than necessary; or if excess electricity and water¹ are used during construction activities. Pursuant to the Title 13, Section 2485 of *California Code of Regulations*, all diesel-fueled commercial motor vehicles must not idle for more than five consecutive minutes at any location. Mandatory compliance would reduce fuel use by construction vehicles. Fuel energy consumed during construction would also be temporary in nature, and there are no unusual Project characteristics that would necessitate the use of construction equipment that would be less energy-efficient than at comparable construction sites in other parts of the region or State. Short-term energy usage for construction of the Project would result in long-term energy savings from newly constructed buildings that are compliant with the current Title 24 CALGreen code. As such, energy use associated with construction of the Project would not result in significant impacts related to

¹ Indirect energy use for the extraction, treatment, and conveyance of water.

wasteful, inefficient, or unnecessary consumption of energy resources. There would be a less than significant impact, and no mitigation is required.

Operation

The Project would promote building energy efficiency through compliance with energy efficiency standards (Title 24 Energy Efficiency Standards and CALGreen). Development of the Project is required to comply with the latest building energy efficiency standards adopted by the State and the City at the time of Project implementation. Mobile source energy consumption is based on estimated Project-related trip generation forecast of 6,366 daily trips, as provided in the Project Transportation Impact Analysis – Outside of CEQA Analysis (Pasadena DOT 2021a) and the VMT assumptions for the Project's trips (Pasadena DOT 2020; Appendix G-1). The energy use for the Project also includes the anticipated electrical demand, natural gas demand, and mobile trips for the conversion of the two historic buildings to commercial uses, which are assumed to be restaurant for the purposes of this Draft EIR. The estimated energy consumption attributable to the Project as calculated by CalEEMod is shown in Table 3.3-2, Energy Use During Operation of the Project, below.

**TABLE 3.3-2
ENERGY USE DURING OPERATION OF THE PROJECT**

Land Use	Gasoline (gallons/yr)	Diesel (gallons/yr)	Natural Gas (kBTU/yr)	Electricity (kWh/yr)
Project Land Uses	211,629	4,226	5,543,466	5,678,570
kBTU: kilo-British thermal units; kWh: kilowatt hour; yr: year Source: Energy data can be found in Appendix D, Energy Modeling Data.				

Adherence to the 2019 Building Energy Efficiency Standards would result in a reduction of energy use as compared to previous energy standards (CEC 2021). The reduction in energy use intensity typically consisted of upgrades to higher efficiency equipment and improved building automation, lighting controls, and sequences of operations. The CEC states that the 2019 energy efficiency standards are projected to result in a 30 percent improvement in energy efficiency over the 2016 standards for nonresidential buildings. Therefore, the new buildings would be more energy efficient than existing buildings that are proposed to be demolished and buildings proximate to the Project site and would be among the most energy-efficient buildings in the City.

Transportation energy use would be associated with daily trips associated with the proposed project. The Project site is within both a High-Quality Transit Area (HQTa) and Transit Priority Area (TPA). HQTAs are areas within one-half mile of a fixed guideway transit stop or a bus transit corridor where buses pick up passengers at a frequency of every 15 minutes or less during peak commuting hours. TPAs are areas within one-half mile of a major transit stop that is existing or planned. Project employees, visitors and residents of the Project site would be able to use these energy-efficient mass transit options. In addition, consistent with Title 24 requirements, the Project would be required to develop electric vehicle charging infrastructure (6 percent of nonresidential parking spaces) as well as storage and parking for bicycles (5 percent of vehicle parking spaces). This would encourage and support the use of transportation that does not rely on gasoline and diesel fuels.

Because the Project would involve the most energy-efficient buildings required under the 2019 Title 24 Energy Efficiency Standards and would promote energy efficient transportation options by developing within a HQTa and TPA and promoting alternative-fueled vehicles, the Project

would not result in the inefficient, wasteful, or unnecessary consumption of energy. There would be a less than significant impact, no mitigation is required.

Project with Building A Residential/Commercial

Construction

The analysis of construction energy use and efficiency for the Project with Building A Residential/Commercial would be essentially the same as the Project. All construction assumptions for the Project with Building A Residential/Commercial would be consistent with the Project, except that grading for the subterranean garage and other areas for improvement would require 36,802 cy less soil export than the Project (for a total of 147,211 cy of soil export) and 2,685 less truckloads than the Project (for a total of 10,515 truckloads for export). Table 3.3-3, Construction-Related Energy Use for the Project with Building A Residential/Commercial, provides the anticipated energy use during construction activities.

**TABLE 3.3-3
CONSTRUCTION-RELATED ENERGY USE FOR THE PROJECT WITH
BUILDING A RESIDENTIAL/COMMERCIAL**

Source	Gasoline Fuel (gallons)	Diesel Fuel (gallons)
Off-road Construction Equipment	59,671	71,430
Worker commute	57,016	271
Vendors	1,253	21
On-road haul	17	14,969
Totals	117,958	86,691
Source: Energy data can be found in Appendix D, Energy Modeling Data.		

The Project with Building A Residential/Commercial is anticipated to result in slightly less energy demand during construction than the Project. As with the Project, fuel energy consumed during construction for the Project with Building A Residential/Commercial would also be temporary in nature, and there are no unusual Project characteristics that would necessitate the use of construction equipment that would be less energy-efficient than at comparable construction sites in other parts of the region or State. Short-term energy usage for construction of the Project with Building A Residential/Commercial would result in long-term energy savings from newly constructed buildings that are compliant with the current Title 24 California Building Code. As such, energy use associated with construction of the Project with Building A Residential/Commercial would not result in significant impacts related wasteful, inefficient, or unnecessary consumption of energy resources. There would be a less than significant impact, and no mitigation is required.

Operations

The Project with Building A Residential/Commercial would promote building energy efficiency through compliance with energy efficiency standards (Title 24 and CALGreen). The development of the Project with Building A Residential/Commercial is required to comply with the latest building energy efficiency standards adopted by the State and the City at the time of Project implementation. Mobile source energy demand is based on estimated Project with Building A Residential/Commercial-related trip generation forecast of 2,494 daily trips, as contained in the Transportation Impact Analysis – Outside of CEQA Analysis prepared for the Project with Building A Residential/Commercial (Pasadena DOT 2021b) and incorporates the vehicle VMT

assumptions for the Project with Building A Residential/Commercial's trips (Pasadena DOT 2021c). It should be noted that the energy use also includes the anticipated electrical demand, natural gas demand, and mobile trips for the conversion of the two historic buildings to commercial uses, as with the Project. The estimated energy consumption attributable to the Project with Building A Residential/Commercial as calculated by CalEEMod and provided by the Applicant is shown in Table 3.3-4, Energy Use During Operation of the Project with Building A Residential/Commercial, below.

**TABLE 3.3-4
ENERGY USE DURING OPERATION OF THE PROJECT WITH BUILDING
A RESIDENTIAL/COMMERCIAL**

Land Use	Gasoline (gallons/yr)	Diesel (gallons/yr)	Natural Gas (kBTU/yr)	Electricity (kWh/yr)
Project with Building A Residential/Commercial Land Uses	77,747	1,606	4,497,483	5,517,728
kBTU: kilo-British thermal units; kWh: kilowatt hour; yr: year				
Sources: Energy data can be found in Appendix D, Energy Modeling Data.				

The Project with Building A Residential/Commercial would also be required to adhere to the 2019 Building Energy Efficiency Standards which result in an improvement in energy efficiency. Therefore, the new buildings would be more energy efficient than existing proposed to be demolished as well as buildings proximate to the Project Site and would be among the most energy efficient buildings in the City.

The Project with Building A Residential/Commercial would also be located within both a HQT and TPA. Employees, visitors, and residents of the Project with Building A Residential/Commercial site would be able to use these energy efficient mass transit options. In addition, the Project would be required to develop electric vehicle charging infrastructure (6 percent of nonresidential parking spaces) as well as storage and parking for bicycles (5 percent of vehicle parking spaces). This would encourage and support the use of transportation that does not rely on gasoline and diesel fuels.

Because the Project with Building A Residential/Commercial would involve the most energy efficient buildings required under the 2019 Title 24 Energy Efficiency Standards and would promote energy efficient transportation options by developing within a HQT and TPA as well as promote alternative fueled vehicles, the Project would not result in the inefficient, wasteful, or unnecessary consumption of energy. There would be a less than significant impact, and no mitigation is required.

Threshold 3.3b: Would the Project conflict with or obstruct a State or local plan for renewable energy or energy efficiency?

Project

As discussed above, strategies and measures have been implemented at the State level with the California's Title 24 Energy Efficiency Standards for Residential and Nonresidential Buildings and the CALGreen Code. The Project would be more energy-efficient than the existing buildings in the vicinity of the site, including the buildings to be demolished. The CALGreen Code requires the development of electric vehicle charging infrastructure to promote and support alternatively fueled vehicles and bicycling. The Project would also be consistent with the City's Green City Action Plan, by increasing energy efficiency for buildings, developing higher density, mixed-use, walkable, bikeable, and disabled-accessible neighborhoods which coordinate land use and

transportation. As such, the Project would not conflict with or obstruct the State or the City's goals for energy efficiency and energy efficiency. There would be a less than significant impact, and no mitigation is required.

Project with Building A Residential/Commercial

The analysis of conflict of the Project with Building A Residential/Commercial with plans for renewable energy and energy efficiency would be the same as that of the Project. The Project with Building A Residential/Commercial would result in a lower VMT than the Project; however, both scenarios would be consistent with applicable energy-related plans and regulations. The proposed buildings would be more energy-efficient than the existing buildings in the vicinity of the site and the buildings to be demolished on site. The Project with Building A Residential/Commercial would provide electric vehicle charging infrastructure and provide bicycle parking on-site for its residents, visitors, and employees. The Project with Building A Residential/Commercial would be consistent with the City's Green City Action Plan by increasing energy efficiency for buildings, developing higher density, mixed-use, walkable, bikeable, and disabled-accessible neighborhoods which coordinate land use and transportation. As such, the Project with Building A Residential/Commercial would not conflict with or obstruct the State or the City's goals for energy efficiency. There would be a less than significant impact, and no mitigation is required.

3.3.6 CUMULATIVE IMPACTS

Project

The geographic area for consideration of cumulative impacts is the City. Future development throughout the City would generate additional energy demand and construction and operational fuel energy demand. Future development projects in the City would also need to comply with all applicable local and State energy efficiency and renewable energy regulations. The electrification of the transportation sector is anticipated throughout California and would contribute to reduced fuel energy use related to future development throughout the City. Also, regional (i.e., Southern California Association of Governments) planning documents support a denser land use pattern with a focus on proximity to transit. Therefore, the Project would not result in a cumulatively considerable impact related to energy.

Project with Building A Residential/Commercial

The cumulative impact analysis of energy for the Project with Building A Residential/Commercial would be the same as the cumulative impact analysis for the Project.

3.3.7 MITIGATION MEASURES

No significant impacts related to energy would occur, and no mitigation measures are necessary.

3.3.8 LEVEL OF SIGNIFICANCE AFTER MITIGATION

The Project and Project with Building A Residential/Commercial would not result in significant energy related impacts.

3.3.9 SUMMARY OF ANALYSIS

Project

Construction and operation of the Project would not result in wasteful, inefficient, or unnecessary construction of energy resources, nor conflict with or obstruct the applicable State or local plans for renewable energy and energy efficiency. There would be a less than significant impacts, and no mitigation is required.

Project with Building A Residential/Commercial

The summary of findings for the Project with Building A Residential/Commercial would be comparable to the findings for the Project. This scenario would have slightly reduced excavation commensurate with one fewer subterranean level and reduced operational VMT. However, for all the same reasons as discussed for the Project, construction and operation of the Project with Building A Residential/Commercial would not result in wasteful, inefficient, or unnecessary construction of energy resources, nor conflict with or obstruct the applicable State or local plans for renewable energy and energy efficiency. There would be less than significant impacts, and no mitigation is required.

3.3.10 REFERENCES

California Energy Commission. 2021. 2019 Energy Efficiency Building Standards. Sacramento, CA: CEC. <https://www.energy.ca.gov/rules-and-regulations/building-energy-efficiency>

Pasadena, City of. Green City Action Plan. 2006. Pasadena, CA: City of Pasadena: <https://www.cityofpasadena.net/planning/wp-content/uploads/sites/56/2017/07/Green-City-Action-Plan.pdf>

Pasadena Department of Transportation (Pasadena DOT). 2021a (March 22). Transportation Impact Analysis, Outside of CEQA Analysis. Project Address: 491-577 South Arroyo Parkway. Demolition of approximately 46,000 sf commercial. Construction of 151,000 sf medical office, 3,000 sf commercial, 184,376 sf senior living facility consisting of 95 independent living units and 85,800 sf assisted living. 5,882 sf restaurant to remain. Pasadena, CA: Pasadena DOT.

———. 2021b (June 17). Transportation Impact Analysis, Outside of CEQA Analysis. Project Address: 491-577 South Arroyo Parkway. Project Summary: Demolition of approximately 46,000 sf commercial. Construction of 151,000 sf residential building with up to 197 units, 3,000 sf commercial, 184,376 sf senior living facility consisting of up to 95 independent living units and 85,800 sf assisted living. 5,882 sf restaurant to remain. Pasadena, CA: Pasadena DOT.

———. 2021c (June 17). Transportation Impact Analysis, CEQA Evaluation, Project Address 491-577 South Arroyo Parkway. Project Summary: Demolition of approximately 46,000 sf commercial. Construction of 151,000 sf residential building with up to 197 units, 3,000 sf commercial, 184,376 sf senior living facility consisting of up to 95 independent living units and 85,800 sf assisted living. 5,882 sf restaurant to remain. Pasadena, CA: Pasadena DOT. Appendix G-2.

———. 2020 (November 30). Transportation Impact Analysis, CEQA Evaluation, Category 2, Project Address 491-577 South Arroyo Parkway. Project Summary: Demolition of approximately 46,000 sf commercial. Construction of 151,000 sf residential building with up to 197 units, 3,000 sf commercial, 184,376 sf senior living facility consisting of up to 95

independent living units and 85,800 sf assisted living. 5,882 sf restaurant to remain.
Pasadena, CA: Pasadena DOT.

US Department of Energy. Office of Energy Efficiency & Renewable Energy (EERE). Washington, D.C.: EERE. <https://www.energy.gov/eere/office-energy-efficiency-renewable-energy>.

3.4 **GREENHOUSE GAS EMISSIONS**

3.4.1 **EXISTING CONDITIONS**

Global Climate Change and Greenhouse Gases

Climate change is a recorded change in the Earth's average weather measured by variables such as wind patterns, storms, precipitation, and temperature. Historical records show that global temperature changes have occurred naturally in the past, such as during previous ice ages. The year 2020 ranks as Earth's hottest year on record, tying 2016.¹ Overall, Earth's average temperature has risen more than two degrees Fahrenheit since the 1880s. Continuing the planet's long-term warming trend, the year's globally averaged temperature was 1.84 degrees Fahrenheit (1.02 degrees Celsius) warmer than the baseline 1951-1980 mean. The last seven years have been the warmest seven years on record, typifying the ongoing and dramatic warming trend (NASA 2021).

The global atmospheric concentration of carbon dioxide (CO₂), the most abundant greenhouse gas (GHG), has increased from a pre-industrial (roughly 1750) value of about 280 parts per million (ppm) to a seasonally-adjusted 413.73 ppm in July 2021. The National Oceanic and Atmospheric Administration (NOAA) Annual Greenhouse Gas Index (AGGI) in 2020 was 1.47, which means the warming influence of GHGs has increased 47 percent since 1990. It took about 240 years for the AGGI to go from zero to one, and 30 years to increase by another 47 percent (NOAA Earth System Research Laboratory [ESRL] 2021).

Greenhouse Gases

GHGs are global pollutants and are therefore unlike criteria air pollutants such as ozone (O₃), particulate matter (PM₁₀ and PM_{2.5}), and toxic air contaminants (TACs), which are pollutants of regional and local concern (see Section 3.1, Air Quality, of this Draft EIR). While pollutants with localized air quality effects have relatively short atmospheric lifetimes (generally on the order of a few days), GHGs have relatively long atmospheric lifetimes, ranging from one year to several thousand years. Long atmospheric lifetimes allow for GHGs to disperse around the globe. Therefore, GHG effects are global, as opposed to the local and/or regional air quality effects of criteria air pollutant and TAC emissions.

GHGs, as defined under California's Assembly Bill (AB) 32, include CO₂, methane (CH₄), nitrous oxide (N₂O), hydrofluorocarbons (HFCs), perfluorocarbons (PFCs), and sulfur hexafluoride (SF₆). GHGs vary widely in the power of their climatic effects; therefore, climate scientists have established a unit called global warming potential (GWP). The GWP of a gas is a measure of both potency and lifespan in the atmosphere as compared to CO₂. For example, as CH₄ and N₂O are approximately 25 and 298 times (respectively) more powerful than CO₂ in their ability to trap heat in the atmosphere, they have GWPs of 25 and 298, respectively (CO₂ has a GWP of 1). Carbon dioxide equivalent (CO₂e) is a quantity that enables all GHG emissions to be considered as a group despite their varying GWP. The GWP of each GHG is multiplied by the prevalence of that gas to produce CO₂e.

General Environmental Effects of Global Climate Change

Executive Order (EO) S-3-05 mandates the preparation of biennial science assessment reports on climate change impacts and adaptation options for California. EO S-13-08 directs the California Natural Resources Agency (CNRA) to develop a State Climate Adaptation Strategy and to provide

¹ A [separate, independent analysis](#) by the National Oceanic and Atmospheric Administration (NOAA) concluded that 2020 was the second-warmest year in their record, behind 2016.

State land use planning guidance related to sea level rise and other climate change impacts. Current reports resulting from these directed actions are the *Climate Action Team Report to the Governor and Legislature* and the *California Climate Adaptation Strategy* (CalEPA 2010; CNRA 2009a). These studies report that global warming in California is anticipated to impact resources including, but not limited to, those discussed below.

- **Public Health.** Many Californians currently experience the worst air quality in the nation, and climate change is expected to make matters worse. Higher temperatures would increase the frequency, duration, and intensity of conditions conducive to air pollution formation. If global background O₃ levels increase as predicted under some scenarios, it may become impossible to meet local air quality standards. Air quality could be further compromised by more frequent wildfires, which emit fine particulate matter that can travel long distances. Rising temperatures and more frequent heat waves would increase the risk of death from dehydration, heat stroke/exhaustion, heart attack, stroke, and respiratory distress. Climate change may also increase asthma rates and the spread of infectious diseases and their vectors, as well as challenge food and water supplies. Children, the elderly, people with chronic heart or lung disease, outdoor workers, people who exercise outdoors and the economically-disadvantaged would be particularly vulnerable to these changes. In addition, more frequent extreme weather events could also result in increased injuries and deaths from these phenomena.
- **Energy.** Increasing mean temperature and more frequent heat waves will drive up demand for cooling in summer; this new energy demand will only be partially offset by decreased demand for heating in winter. Hydropower, which currently provides 15 percent of in-state generation, would be threatened by declining snowpack, which serves as a natural reservoir for hydropower generation in the spring and summer. Winter storms, earlier snowmelt, and greater runoff may combine to cause flooding, which could, in turn, damage transmission lines and cause power outages.
- **Water Resources.** Rising temperatures, less precipitation, and more precipitation falling as rain instead of snow could severely diminish snowpack. Because the Sierra Nevada snowpack provides most of California's available water, this potential loss would increase the risk of summer water shortages and would hamper water distribution and hydropower generation. The diminished snowpack would also nearly eliminate all skiing and other snow-related recreation. Rising sea levels would push saltwater into California's estuaries, wetlands, and groundwater aquifers, threatening the water quality and reliability in the Sacramento/San Joaquin River Delta—a major California freshwater supply. Extreme precipitation and flooding could also damage water quality by creating sudden increases in runoff. Moreover, warming would increase evapotranspiration rates from plants, soil, and open water surfaces, which would result in greater demand for irrigation. Overall, climate change would reduce California's water supplies even as its growing population requires additional resources.
- **Sea Level and Flooding.** Sea level at California's coasts is expected to rise by 11 to 18 inches above 2000 levels by 2050 and by 23 to 55 inches by 2100. If realized, these increases would create more frequent and higher storm surges; would erode some coastal areas; and would increase pressure on existing levees. These increases would create a greater risk of flooding in previously untouched inland areas. Consequently, continued development in vulnerable coastal areas would put more people and infrastructure at risk.
- **Agriculture.** Although higher CO₂ levels can stimulate plant production and increase plant water-use efficiency, in the long-term, climate change would reduce the quantity and quality of agricultural products statewide. As temperatures rise, farmers will face greater water demand for crops and a less reliable water supply, as well as increased competition from urban water users. Sea level rise may cause saltwater intrusion in the Delta region,

making it difficult to raise certain crops. Rising temperatures will likely aggravate O₃ pollution, interfering with plant growth and making plants more susceptible to disease and pests. In addition, warming would reduce the number of colder hours needed for fruit and nut production; would shift pest and weed ranges; would alter crop-pollinator timing; and would increase the frequency of droughts, heat waves, and floods. Higher average temperatures would also increase mortality and decrease productivity in livestock.

- **Forestry.** California timber production has declined over the past few decades due, in part, to warming and increased wildfires. While further warming may increase production for some species in some locations, climate change is expected to reduce overall forest growth. Increasing average temperatures and drought frequency would result in more wildfires and greater burned areas, while less frequent and more intense rainfall would increase soil erosion and landslides. Higher temperatures and less water would force many tree species to shift their ranges; those that run out of livable habitat may die out. Pests, diseases, and invasive species may also colonize new areas, further challenging forest health and biodiversity.
- **Ecosystems.** Rising average temperatures would subject plants and animals to greater thermal stress, causing some species to adapt or shift their ranges, while others may face extinction. Invasive species may also shift their ranges, threatening native species. Changing temperatures would also alter the timing of plant flowering and insect emergence, damaging species' ability to reproduce. Changing precipitation patterns would impact aquatic and riparian ecosystems by reducing snowpack, stream flow, and groundwater, while increasing the frequency of droughts, floods, and wildfires. As sea levels rise, some coastal habitats may be permanently flooded or eroded, and saltwater intrusion into freshwater resources may threaten terrestrial species. Changes in ocean circulation and temperature, ocean acidification, and increased runoff and sedimentation would threaten pelagic species. In sum, continued global warming would alter natural ecosystems and threaten California's biological diversity.

Global, National, and State Contributions to Greenhouse Gas Emissions

Table 3.4-1, Comparison of Worldwide Greenhouse Gas Emissions, compares the magnitude of GHG emissions on the global, national and State scales. It shows the relative estimated quantities of GHG emissions from worldwide to California. CO₂e emissions are commonly expressed as metric tons of carbon dioxide equivalent (MTCO₂e). Larger quantities of emissions, such as on the State or world scale, are expressed in million MTCO₂e (MMTCO₂e). Metric tons may also be stated as "tonnes".

**TABLE 3.4-1
COMPARISON OF WORLDWIDE GHG EMISSIONS**

Area and Data Year	Annual GHG Emissions (MMTCO₂e)
World (2018)	47,552
United States (2018)	6,024
California (2018)	425
SCAG region (2020)	216
Pasadena (2009)	2.04
GHG: greenhouse gas; MMTCO ₂ e: million metric tons of carbon dioxide equivalent Source: Climate Watch 2021; CARB 2021a; SCAG 2020a; Pasadena 2018.	

As shown, the U.S. contributes approximately 12.7 percent of worldwide GHG emissions per year and California contributes approximately 0.9 percent. The SCAG region contributes approximately 51 percent of California's GHG emissions. Based on the data in Table 3.4-1, the City of Pasadena's GHG emissions are approximately 0.9 percent of the SCAG region's emissions; however, it is noted that there is an 11-year difference in the dates of the data.

The most common GHG is CO₂, which constitutes approximately 80 and 83 percent of all GHG emissions in the U.S. and California, respectively. The primary contributors to California GHG emissions are (1) transportation; (2) industrial uses; and (3) electric power production from both in-State and out-of-State sources. In the City's 2009 GHG emissions inventory, the transportation sector accounted for the largest portion of emissions, contributing approximately 52 percent of the community-wide total. Energy use was the second largest producer of emissions, contributing approximately 47 percent of the community-wide total (Pasadena 2018).

Project Site Emissions

GHGs are emitted from current operations at the Project site. Existing Project site GHG emissions were estimated using the California Emissions Estimator Model (CalEEMod) version 2020.4.0 computer program (CAPCOA 2021), as discussed further under Section 3.4.4, Methodology. Existing emissions were calculated for the four businesses that would be removed from the site (i.e., 491/495, 499/503, 541, and 577 South Arroyo Parkway) and replaced by new uses associated with the Project or Project with Building A Residential/Commercial. In other words, the existing emissions do not include emissions from the buildings to be retained with implementation of the Project (i.e., 465, 501, and 523 South Arroyo Parkway). Existing vehicle trip data, an estimated 2,454 daily trips, are derived from the Transportation Impact Analysis (TIA) – Outside of CEQA Analysis prepared for the Project (Pasadena DOT 2021a). The results of the analysis are shown in Table 3.4-2, Estimated Annual GHG Emissions for Uses to be Removed. As shown in this table, the majority of existing emissions are from vehicle trips (mobile source emissions), followed by energy emissions.

**TABLE 3.4-2
ESTIMATED ANNUAL GHG EMISSIONS FOR USES TO BE REMOVED**

Source	Emissions (MTCO₂e/yr)
Area	<1
Energy	629
Mobile	796
Waste	130
Water	61
Total Operational Emissions	1,616
MTCO ₂ e/yr: metric tons of carbon dioxide equivalent per year	
Notes:	
<ul style="list-style-type: none"> Totals may not add due to rounding variances. Detailed calculations in Appendix B, Air Quality and Greenhouse Gas Emissions Modeling Data. 	

3.4.2 RELEVANT PROGRAMS AND REGULATIONS

Federal

U.S. Environmental Protection Agency Findings

On December 7, 2009, the U.S. Environmental Protection Agency (USEPA) Administrator signed two distinct findings regarding GHGs under Section 202(a) of the Clean Air Act (CAA).

- **Endangerment Finding:** The Administrator finds that the current and projected concentrations of the six key well-mixed GHGs—carbon dioxide (CO₂), methane (CH₄), nitrous oxide (N₂O), hydrofluorocarbons (HFCs), perfluorocarbons (PFCs), and sulfur hexafluoride (SF₆)—in the atmosphere threaten the public health and welfare of current and future generations.
- **Cause or Contribute Finding:** The Administrator finds that the combined emissions of these well-mixed GHGs from new motor vehicles and new motor vehicle engines contribute to the GHG pollution which threatens public health and welfare.

The findings do not themselves impose any requirements on industry or other entities. However, this action was a prerequisite implementing GHG emissions standards for vehicles (USEPA 2021a). A light-duty vehicle is defined any motor vehicle with a gross vehicle weight of 6,000 pounds or less (CARB 2021b).

Light-Duty Vehicle Greenhouse Gas Emissions Standards and Corporate Average Fuel Economy Standards

The USEPA and the Department of Transportation's National Highway Traffic Safety Administration (NHTSA) have been working together on developing a National Program of regulations to reduce GHG emissions and to improve the fuel economy of light-duty vehicles. On April 1, 2010, the USEPA and NHTSA announced a joint Final Rulemaking establishing standards for 2012 through 2016 model year vehicles. On October 15, 2012, the agencies issued a Final Rulemaking with standards for model years 2017 through 2025. The rules require these vehicles to meet an estimated combined average emissions level of 295 grams of CO₂ per mile by 2012, decreasing to 250 grams per mile by 2016, and finally to an average industry fleet-wide level of 163 grams per mile in model year 2025. The 2016 standard is equivalent to 35.5 miles per gallon (mpg) and the 2025 standard is equivalent to 54.5 mpg if the levels were achieved solely through improvements in fuel efficiency. The agencies expect, however, that a portion of these improvements will occur due to air conditioning technology improvements (i.e., they will leak less) and due to the use of alternative refrigerants, which would not contribute to fuel economy. These standards would cut GHG emissions by an estimated 2 billion metric tons and 4 billion barrels of oil over the lifetime of the vehicles sold under the program (model years 2017–2025). The combined USEPA GHG standards and NHTSA Corporate Average Fuel Economy (CAFE) standards resolve previously conflicting requirements under both federal programs and the standards of the State of California and other States that have adopted the California standards (USEPA and NHTSA 2012).

On September 19, 2019, NHTSA and the USEPA issued a final action entitled the "One National Program Rule" to enable the federal government to provide nationwide uniform fuel economy and GHG emission standards for automobile and light duty trucks. This action finalizes critical parts of the Safer, Affordable, Fuel-Efficient (SAFE) Vehicles Rule that was first proposed in August 2018. In this proposal, the agencies proposed new and amended GHG and Corporate Average Fuel Economy (CAFE) standards for model year 2021 to 2026 light duty vehicles (USEPA and NHTSA 2019).

In this action, USEPA withdrew the Clean Air Act waiver that had been granted to the State of California in January 2013 for the State's Advanced Clean Car program with respect to GHG and Zero Emission Vehicle (ZEV) elements. In November 2019, California, 21 other states, the District of Columbia, and four California cities filed a petition for EPA to reconsider SAFE-1. A petition for reconsideration was also filed by several environmental groups.

On April 28, 2021, USEPA published a Notice of Reconsideration: California State Motor Vehicle Pollution Control Standards; Advanced Clean Car Program; Reconsideration of a Previous Withdrawal of a Waiver of Preemption; Opportunity for Public Hearing and Public Comment. The public comment period closed on July 6, 2021 (USEPA 2021b).

State

Assembly Bill 1493 (Mobile Source Reductions)

Assembly Bill (AB) 1493, adopted September 2002, also known as Pavley I, requires the development and adoption of regulations to achieve the maximum feasible reduction of GHGs emitted by noncommercial passenger vehicles, light-duty trucks, and other vehicles used primarily for personal transportation in the State. The emission standards have become increasingly more stringent through the 2016 model year. California is also committed to further strengthening these standards beginning in 2017 to obtain a 45 percent GHG reduction from 2020 model year vehicles (CARB 2021c). Regulations to make California emissions standards for model year 2017 and beyond consistent with federal standards were adopted in 2012 and are discussed further below.

CARB's Advanced Clean Cars Program

In January 2012, CARB approved the Advanced Clean Cars Program, an emissions-control program for model year 2017 through 2025. The program combines the control of smog, soot and GHGs with requirements for greater numbers of zero-emission vehicles. By 2025, when the rules will be fully implemented, the new automobiles will emit 34 percent fewer global warming gases and 75 percent fewer smog-forming emissions. The program also requires car manufacturers to offer for sale an increasing number of zero-emission vehicles (ZEVs) each year, including battery electric, fuel cell, and plug-in hybrid electric vehicles. In March 2017, CARB adopted GHG standards for 2022 through 2025 model years and directed staff to begin rule development for 2026 and subsequent model years (CARB 2021d).

Executive Order S-3-05 (Statewide GHG Targets)

On June 1, 2005, Governor Arnold Schwarzenegger signed EO S-3-05, which proclaims that California is vulnerable to the impacts of climate change. It declares that increased temperatures could reduce snowpack in the Sierra Nevada Mountains; could further exacerbate California's air quality problems; and could potentially cause a rise in sea levels. In an effort to avoid or reduce the impacts of climate change, EO S-3-05 calls for a reduction in GHG emissions to the year 2000 level by 2010, to year 1990 levels by 2020, and to 80 percent below 1990 levels by 2050.

However, executive orders do not have the same status as a law, because in California's constitutional system, it is the Legislature, not the Governor, who is entrusted with the role of making statewide laws. The Legislature declined to include the EO's 2050 goal in AB 32 (discussed below), and again declined to use the EO's 2050 goal in adopting Senate Bill (SB) 375 (discussed below), nor has it incorporated it in any implementing legislation or applicable plans. Additionally, although CARB has the requisite authority to adopt whatever regulations are necessary beyond the AB 32 horizon year 2020 to meet the target set forth in S-3-05, the agency has not done so. Since the Legislature has never enacted EO S-3-05's 2050 target, and no expert agency has interpreted CEQA to require it, the 2050 target has only the force and effect of an

executive order issued by a former Governor. If the Legislature has delegated any of its authority to define CEQA's requirements, it delegated that authority to the Governor's Office of Planning and Research (OPR).

Senate Bill 97 and the State CEQA Guidelines

Pursuant to Senate Bill (SB 97), OPR developed and CNRA adopted proposed amendments to the State CEQA Guidelines (CEQA Amendments) for the feasible mitigation of GHG emissions and their effects. The CEQA Amendments became effective on March 18, 2010.

The CEQA Amendments for Greenhouse Gas Emissions state in Section 15064.4(a) that lead agencies should "make a good faith effort, to the extent possible on scientific and factual data, to describe, calculate or estimate" GHG emissions. The CEQA Amendments note that an agency may identify emissions by either selecting a "model or methodology" to quantify the emissions or by relying on "qualitative analysis or other performance based standards" (CNRA 2009b). Section 15064.4(b) of the State CEQA Guidelines provides that the lead agency should consider the following when assessing the significance of impacts from GHG emissions on the environment (CNRA 2009b):

- The extent a project may increase or reduce GHG emissions as compared to the environmental setting.
- Whether the project emissions exceed a threshold of significance that the lead agency determines applies to the project.
- The extent to which the project complies with regulations or requirements adopted to implement a statewide, regional, or local plan for the reduction or mitigation of GHG emissions.

All of these are considered in the impact analysis presented in this section. The revisions to Appendix G, Environmental Checklist Form, of the State CEQA Guidelines, which is often used as a basis for lead agencies' selection of significance thresholds, do not prescribe specific thresholds. Rather, Appendix G asks whether the project would conflict with a plan, policy or regulation adopted to reduce GHG emissions or would generate GHG emissions that would significantly affect the environment, indicating that the determination of what is a significant effect on the environment should be left to the lead agency. Accordingly, the CEQA Amendments do not prescribe specific methodologies for performing an assessment; they do not establish specific thresholds of significance; and they do not mandate specific mitigation measures. Rather, the CEQA Amendments emphasize the lead agency's discretion to determine the appropriate methodologies and thresholds of significance consistent with the manner in which other impact areas are handled in CEQA (CNRA 2009b).

The CEQA Amendments indicate that lead agencies should consider all feasible means, supported by substantial evidence and subject to monitoring and reporting, of mitigating the significant effects of GHG emissions. As pertinent to the Project, these potential mitigation measures, set forth in Section 15126.4(c) of the State CEQA Guidelines, may include (1) measures in an existing plan or mitigation program for the reduction of GHG emissions that are required as part of the lead agency's decision; (2) reductions in GHG emissions resulting from a project through implementation of project design features; (3) off-site measures, including offsets, to mitigate a project's emissions; and (4) carbon sequestration measures (CNRA 2009b).

Among other things, the CNRA noted in its Public Notice for these changes that impacts of GHG emissions should focus on the cumulative impact on climate change. The Public Notice states (CNRA 2009a):

While the Proposed Amendments do not foreclose the possibility that a single project may result in greenhouse gas emissions with a direct impact on the environment, the evidence before [CNRA] indicates that in most cases, the impact will be cumulative. Therefore, the Proposed Amendments emphasize that the analysis of greenhouse gas emissions should center on whether a project's incremental contribution of greenhouse gas emissions is cumulatively considerable.

Thus, the CEQA Amendments continue to make clear that the significance of GHG emissions is most appropriately considered on a cumulative level.

Assembly Bill 32 (Statewide GHG Reductions)

In furtherance of the goals established in EO S-3-05, the California Legislature adopted the public policy position that global warming is “a serious threat to the economic well-being, public health, natural resources, and the environment of California” (*California Health and Safety Code*, Section 38501). The public policy statements became law with the enactment of the California Global Warming Solutions Act of 2006 (AB 32) in September 2006, after considerable study and expert testimony before the Legislature. The law instructs CARB to develop and enforce regulations for the reporting and verifying of statewide GHG emissions. AB 32 directed CARB to set a GHG emission limit based on 1990 levels, to be achieved by 2020. The bill set a timeline for adopting a scoping plan for achieving GHG reductions in a technologically and economically feasible manner. The scoping plan is described further below.

Executive Order B-30-15 (Statewide Interim GHG Targets)

California EO B-30-15 (2015) set an “interim” statewide emission target to reduce GHG emissions to 40 percent below 1990 levels by 2030 and directed State agencies with jurisdiction over GHG emissions to implement measures pursuant to statutory authority to achieve this 2030 target and the 2050 target of 80 percent below 1990 levels. Specifically, the Executive Order directed CARB to update the Scoping Plan to express this 2030 target in metric tons.

Senate Bill 32/Assembly Bill 197

SB 32, signed September 8, 2016, implements a goal of EO B-30-15. Under SB 32, in “adopting rules and regulations to achieve the maximum technologically feasible and cost-effective GHG emissions reductions,” CARB must ensure that statewide GHG emissions are reduced to 40 percent below the 1990 level by 2030. SB 32’s findings state that CARB will “achieve the state’s more stringent GHG emission reductions in a manner that benefits the state’s most disadvantaged communities and is transparent and accountable to the public and the Legislature.” AB 197, a companion to SB 32, adds two members to the CARB and requires measures to increase transparency about GHG emissions, climate policies, and GHG reduction actions.

California Air Resources Board Scoping Plan

On December 11, 2008, CARB adopted the Scoping Plan to achieve the goals of AB 32. The Scoping Plan establishes an overall framework for the measures that will be adopted to reduce California’s GHG emissions. CARB determined that achieving the 1990 emission level would require a reduction of GHG emissions of approximately 28.5 percent below what would otherwise occur in 2020 in the absence of new laws and regulations (referred to as “business as usual”). The Scoping Plan evaluates opportunities for sector-specific reductions; integrates all CARB and

Climate Action Team early actions and additional GHG reduction measures by both entities; identifies additional measures to be pursued as regulations; and outlines the role of a cap-and-trade program.

First Update to the Climate Change Scoping Plan

CARB approved the final “First Update to the Climate Change Scoping Plan” on May 22, 2014. The first update describes California’s progress towards AB 32 goals, stating that “California is on track to meet the near-term 2020 GHG limit and is well positioned to maintain and continue reductions beyond 2020 as required by AB 32”. Specifically, “if California realizes the expected benefits of existing policy goals (such as 12,000 megawatts [MW] of renewable distributed generation by 2020, net zero energy homes after 2020, existing building retrofits under AB 758, and others) it could reduce emissions by 2030 to levels squarely in line with those needed in the developed world and to stay on track to reduce emissions to 80 percent below 1990 levels by 2050” (CARB 2014). Reducing the “business as usual” or NAT condition of 509 MMTCO₂e to the 1990 emissions level of 431 MMTCO₂e will require a reduction of 78 MMTCO₂e, or approximately a 15.3 percent reduction (compared to a 28.5 percent reduction as set forth in the original Scoping Plan but not directly comparable because of the change in methodology).

Second Update to the Climate Change Scoping Plan

CARB prepared a second update to the Scoping Plan to reflect the 2030 target established in EO B-30-15 and in SB 32 (discussed above). The Final Proposed 2017 Scoping Plan was published in November 2017, and the third public Board Meeting for the Proposed Scoping Plan was held on December 14, 2017, where the Final Proposed 2017 Climate Change Scoping Plan (Second Update to the Climate Change Scoping Plan, or 2017 Scoping Plan Update) was adopted.

The 2017 Scoping Plan Update includes new statutory GHG reduction requirements that were not included in the current Scoping Plan, including SB 32 (discussed below) which sets a 40 percent GHG reduction target below 1990 GHG levels to be achieved by 2030, SB 350 (which sets a 50 percent reduction in GHG emissions from electricity generation and other energy uses in existing structures, and a 50 percent renewable energy portfolio requirement), and SB 650 (which establishes priority GHG reduction targets for designated types of GHGs such as methane). The key elements of the 2017 Scoping Plan Update proposal call for further GHG reductions from the refinery sector specifically, further reductions from other stationary sources through either a renewed and expanded cap and trade or carbon tax program, further reductions from other sectors such as transportation technologies and services, water and solid waste conservation and management, and land uses in both open space and urban areas (CARB 2017).

2022 Scoping Plan Update

The 2022 Scoping Plan Update will assess progress towards achieving the SB 32 2030 target and lay out a path to achieve carbon neutrality by mid-century. The first public workshops for the 2022 Scoping Plan Update were held in June 2021 (CARB 2021e).

Senate Bill 375 (Land Use Planning)

Signed September 30, 2008, SB 375 provides for a new planning process to coordinate land use planning and regional transportation plans (RTPs) and funding priorities in order to help California meet the GHG reduction goals established in AB 32. SB 375 requires Metropolitan Planning Organizations, including the Southern California Association of Governments (SCAG), to incorporate a Sustainable Communities Strategy (SCS) in their regional transportation plans that will achieve GHG emission reduction targets set by CARB. There are two mutually important facets to SB 375: reducing vehicle miles traveled (VMT) and encouraging more compact,

complete, and efficient communities for the future. SB 375 also includes provisions for exemptions from or streamlined CEQA review for projects classified as transit priority projects (SCAG 2016). See additional discussion of the SCAG plan under “Regional” regulations below.

Senate Bills 1078, 107, and SBX1-2 (Renewable Portfolio Standards)

Established in 2002 under SB 1078, accelerated in 2006 under SB 107, and again in 2011 under SBX1-2, California’s Renewable Portfolio Standard (RPS) requires retail sellers of electric services to increase procurement from eligible renewable energy resources to 33 percent of total retail sales by 2020. Initially, the RPS provisions applied to investor-owned utilities, community choice aggregators, and electric service providers. SBX1-2 added, for the first time, publicly owned utilities to the entities subject to RPS.

Senate Bill 350

SB 350, signed October 7, 2015, is the *Clean Energy and Pollution Reduction Act of 2015*. SB 350 is the implementation of some of the goals of EO B-30-15. The objectives of SB 350 are:

- (1) To increase from 33 percent to 50 percent, the procurement of our electricity from renewable sources.
- (2) To double the energy efficiency savings in electricity and natural gas final end uses of retail customers through energy efficiency and conservation (California Energy Commission [CEC] 2021a).

Senate Bill 100

On September 10, 2018, Governor Brown signed SB 100, the 100 Percent Clean Energy Act of 2018. SB 100 requires renewable energy and zero-carbon resources to supply 100 percent of electric retail sales to end-use customers and 100 percent of electricity procured to serve state agencies by December 31, 2045. This policy requires the transition to zero-carbon electric systems that do not cause contributions to increase of GHG emissions elsewhere in the western electricity grid (CEC 2021b). SB 100 also creates new standards for the RPS goals established by SB 350 in 2015. Specifically, the bill increases required energy from renewable sources for both investor-owned utilities and publicly owned utilities from 50 percent to 60 percent by 2030.

Executive Order B-55-18

On September 10, 2018, Governor Brown also signed California EO B-55-18, which sets a new statewide goal of carbon neutrality as soon as possible, and no later than 2045, and achieve net negative emissions thereafter. EO B-55-18 was added to the existing Statewide targets of reducing GHG emissions, including the targets previously established by Governor Brown of reducing emissions to 40 percent below 1990 levels by 2030 (EO B-30-15 and SB 32), and by Governor Schwarzenegger of reducing emissions to 80 percent below 1990 levels by 2040 (EO S-3-05).

Title 24 Energy Efficiency Standards

The Energy Efficiency Standards for Residential and Nonresidential Buildings (Title 24, Part 6 of the *California Code of Regulations* [CCR]) were established in 1978 in response to a legislative mandate to reduce California’s energy consumption. The currently applicable standards are the 2019 Standards, effective January 1, 2020. The 2019 standards focus on four key areas: smart residential photovoltaic systems, updated thermal envelope standards (preventing heat transfer from the interior to exterior and vice versa), residential and nonresidential ventilation

requirements, and nonresidential lighting requirements. The ventilation measures improve indoor air quality, protecting homeowners from air pollution originating from outdoor and indoor sources (CEC 2021c). The requirements of the energy efficiency standards result in the reduction of natural gas and electricity consumption. Both natural gas and electricity use produce GHG emissions. The goal of the standards is to reduce energy use in new homes by more than 50 percent. The 2019 standards require that there is sufficient on-site electricity generation to meet the annual electricity usage for low rise residential buildings. A 30 percent reduction in energy uses is anticipated for nonresidential uses. The requirement for low-rise residential buildings to develop onsite electricity generation is consistent with the goal to develop renewable sources of energy.

The CEC adopted the 2008 changes to the Building Energy Efficiency Standards in order to (1) “Provide California with an adequate, reasonably-priced, and environmentally-sound supply of energy” and (2) “Respond to Assembly Bill 32, the Global Warming Solutions Act of 2006, which mandates that California must reduce its GHG emissions to 1990 levels by 2020”. In 2013, the CEC, in coordination with the CPUC, commenced a process to update the Title 24 energy efficiency standards and, the 2016 Title 24 Energy Efficiency Standards establish building design and construction requirements that move closer to achieving California’s zero net energy (ZNE) goals. The requirements of the energy efficiency standards result in the reduction of natural gas and electricity consumption. Both natural gas use and electricity generation result in GHG emissions.

California Green Building Standards Code

The 2019 California Green Building Standards Code (24 CCR, Part 11), also known as the CALGreen code, contains mandatory requirements and voluntary measures for new residential and nonresidential buildings (including buildings for retail, office, public schools and hospitals) throughout California). The development of the CALGreen Code is intended to improve public health, safety, and general welfare by enhancing the design and construction of buildings through the following construction practices: (1) planning and design; (2) energy efficiency; (3) water efficiency and conservation; (4) material conservation and resource efficiency; and (5) environmental quality. In short, the code is established to reduce construction waste; make buildings more efficient in the use of materials and energy; and reduce environmental impact during and after construction.

California Air Pollution Control Officers Association

The California Air Pollution Control Officers Association (CAPCOA) is the association of Air Pollution Control Officers representing all 35 local air quality agencies throughout California. CAPCOA is not a regulatory body but has been an active organization in providing guidance in addressing the CEQA significance of GHG emissions and climate change as well as other air quality issues. The August 2010 CAPCOA publication entitled *Quantifying Greenhouse Gas Mitigation Measures, A Resource for Local Government to Assess Emission Reductions from Greenhouse Gas Mitigation Measures* provides guidance on the quantification of project-level mitigation of GHGs associated with land use, transportation, energy use, and other related project areas. The guidance includes detailed procedures about the approaches to assessing and calculating the GHG emissions reductions associated with project design features and mitigation measures (CAPCOA 2010). This publication’s methods are used in the CalEEMod computer model that is used to calculate GHG emissions.

Regional

South Coast Air Quality Management District

The City lies within the boundaries of the South Coast Air Quality Management District (SCAQMD). SCAQMD is the regulatory agency responsible for improving air quality for large areas of Los Angeles, Orange County, Riverside and San Bernardino counties, including the Coachella Valley. The region is home to more than 17 million people—about half the population of the entire state of California. The mission of the SCAQMD is “To clean the air and protect the health of all residents in the South Coast Air District through practical and innovative strategies” (SCAQMD 2021).

Southern California Association of Governments

As previously discussed, SB 375 specifically required Metropolitan Planning Organizations (MPOs), including SCAG, to incorporate an SCS in their RTPs that will achieve GHG emission reduction targets set by CARB. SCAG’s current SCS is included in its 2020–2045 RTP/SCS *Connect SoCal* (SCAG 2020b).² The 2020–2045 RTP/SCS combines the need for mobility with a “sustainable future” through a reduction in the number of emissions produced from transportation sources. The document was adopted by SCAG on September 3, 2020. The 2020–2045 RTP/SCS is expected to reduce per capita transportation emissions by 19 percent by 2035 relative to 2005.

City

The City of Pasadena Climate Action Plan (CAP) was adopted on March 5, 2018 (Pasadena 2018). The CAP states, “Climate change presents Pasadena with both complex challenges and tremendous opportunities. The City of Pasadena is committed to creating a vision for a more sustainable community. By making choices to reduce its GHG emissions and preparing for the changes that are underway, Pasadena can reduce the risks from climate change.”

With respect to CEQA evaluation of new development projects, the CAP states,

The CAP establishes a framework for evaluating and mitigating GHG emissions by providing an emissions inventory, emissions reduction goals, and strategies for reducing emissions. Part of these emissions reductions will need to be achieved through better environmental and sustainable performance by new development projects.

To determine whether new development projects comply with the CAP, and to ensure that projects are contributing to GHG reductions, City staff will use the CAP Consistency Checklist (Checklist) for discretionary projects subject to CEQA.

New development projects that meet the requirements of the Checklist, including completion of one of the three options (Options A, B, or C) listed below, will be deemed to be consistent with the CAP and will be found to have a less than significant contribution to cumulative GHG emissions. Projects that do not meet the requirements in the Checklist will be deemed to be inconsistent with the CAP and must prepare a project specific analysis of GHG emissions (Pasadena 2018).

² The 2020-2045 RTP/SCS succeeds the 2016-2040 RTP/SCS.

The following Options are provided by the City for new development projects to establish consistency with the CAP, as included in Appendix D, Climate Action Plan Consistency Checklist, of the City's CAP (Pasadena 2017).

- Option A, Sustainable Development Actions, requires that the Project incorporate sustainable development actions, which would become conditions of the entitlement for approval of the project, intended to ensure that the project contributes its fair share to the City's cumulative GHG reduction goals.
- Option B, GHG Efficiency, requires that the Project demonstrate consistency with the applicable Pasadena's per service population GHG efficiency threshold.
- Option C, Net Zero GHG Emissions, requires that the Project achieve Net Zero GHG Emissions, which requires quantifying the project's GHG emission levels and demonstrate that the project would not result in a net increase in GHG emissions.

The Checklist and Option B are discussed further below, under Section 3.4.3, Thresholds of Significance, and in the impact findings, under Section 3.4.5, Environmental Impacts.

3.4.3 THRESHOLDS OF SIGNIFICANCE

The following significance criteria are derived from Appendix G of the State CEQA Guidelines. A project would result in a significant adverse greenhouse gas emissions impact if it would:

- Threshold 3.4a:** Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment; and/or
- Threshold 3.4b:** Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases.

The CAP Checklist, as described above, is a tool for new development projects to demonstrate consistency with the CAP, a qualified GHG reduction plan in accordance with CEQA Guidelines Section 15183.5. The City's CAP Option B GHG efficiency metric is used for this analysis. Per the City's CAP, this method recognizes that highly efficient projects (e.g., compact and mixed-use development) with relatively high mass emissions may nevertheless meet the local and State GHG reduction goals/targets. Using the demographic projections developed for the CAP, the City has developed service person efficiency thresholds for the years of 2020, 2025, 2030 and 2035 which are consistent with Pasadena's GHG emission goals included in the CAP and the State targets it is designed to achieve (AB 32, SB 32, and substantial progress towards EO S-3-05). Table 3.4-3, City of Pasadena Climate Action Plan Efficiency Thresholds, provides the thresholds for GHG efficiency for the first year that the Project would be in operation.

**TABLE 3.4-3
CITY OF PASADENA CLIMATE ACTION PLAN
EFFICIENCY THRESHOLDS**

Project's First Operational Year	Threshold
2017 – 2020	5.63 MTCO ₂ e/SP
2021 – 2025	4.56 MTCO ₂ e/SP
2026 – 2030	3.57 MTCO ₂ e/SP
2031 – 2035	2.73 MTCO ₂ e/SP
MTCO ₂ e: metric tons of carbon dioxide equivalent; SP: service person. Source: Pasadena 2018.	

Under Option B, based on the Project's and Project with Building A Residential/Commercial's first operational year of 2026, the City's GHG efficiency metric of 3.57 MTCO₂e per service person (MTCO₂e/SP) would be used as the GHG efficiency threshold. Per the CAP, with Option B, projects must be able to demonstrate a GHG efficiency which is less than or equal to the threshold listed below for the projects' first operational year to be considered consistent with the Pasadena CAP and State targets it is designed to achieve.

3.4.4 METHODOLOGY

In June 2021, the SCAQMD in conjunction with the CAPCOA and other California air districts, released the latest version of the California Emissions Estimator Model™ (CalEEMod™), version 2020.4.0 (CAPCOA 2021). The purpose of this model is to calculate construction-source and operational-source air pollutants, including GHG emissions, from direct and indirect sources; and quantify applicable GHG reductions achieved from mitigation measures. CalEEMod version 2020.4.0 was used to estimate the GHG emissions associated with the existing land uses to be removed and the proposed land uses for the Project and Project with Building A Residential/Commercial. The inputs and data for the modeling are described above for existing uses; below for proposed uses; and in Appendix B of this Draft EIR.

3.4.5 ENVIRONMENTAL IMPACTS

Threshold 3.4a: Would the Project generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?

As described above, under Section 3.4.3, Thresholds of Significance, Option B would be applied to this analysis to assess Project and Project with Building A Residential/Commercial consistency with the CAP to determine whether either project would generate GHG emissions that may have a significant impact on the environment.

Project

Construction of the Project would begin in 2023, occur over a period of approximately 34 months, and would be completed in a single phase. Construction emissions for the Project were calculated using CalEEMod 2020.4.0, as described above. Project construction is planned to occur from March 2023 to January 2026 with a six-day work week. The CalEEMod input for construction emissions was based on the Project's construction assumptions and default assumptions derived from CalEEMod. Demolition would include an estimated 45,912 square feet (sf) of buildings and the export of approximately 300 14-cubic yard (cy) truckloads of debris. Grading for the subterranean garage and other areas for improvement would require the export of an estimated 184,013 cy of soil, requiring approximately 13,200 truckloads for export. The principal source of construction-related GHG emissions would be from internal combustion engines of construction

equipment, on-road construction vehicles, and workers' commuting vehicles. The estimated construction GHG emissions for the proposed Project would be 3,691 MTCO₂e, as shown in Table 3.4-4, Estimated GHG Emissions from Construction of the Project.

**TABLE 3.4-4
ESTIMATED GHG EMISSIONS FROM
CONSTRUCTION OF THE PROJECT**

Year	Emissions (MTCO₂e)
2023	986
2024	1,429
2025	1,267
2026	9
Total	3,691
MTCO ₂ e: metric tons of carbon dioxide equivalent	
Notes:	
<ul style="list-style-type: none"> Totals may not add due to rounding variances. Detailed calculations in Appendix B, Air Quality and Greenhouse Gas Emissions Modeling Data. 	

Operational emissions are comprised of area, energy, mobile, stationary source, waste, and water emissions. Operational GHG emissions would come primarily from energy; other sources include mobile trips; water consumption; natural gas for space and water heating; and gasoline-powered landscaping and maintenance equipment. Area source emissions are based on CalEEMod assumptions for the specific land uses and size. Energy emissions are based on the Applicant's estimate of electrical and natural gas use and default CalEEMod values. Mobile source emissions are based on the estimated Project-related trip generation forecast of 6,366 daily trips, as contained in the Project TIA – Outside of CEQA Analysis (Pasadena DOT 2021a) and incorporate the vehicle miles traveled (VMT) assumptions for the Project's trips (Pasadena DOT 2020). The emissions analyses for the Project also includes the anticipated electrical demand, natural gas demand, and mobile trips for the conversion of the two historic buildings to commercial uses, which are assumed to be restaurant for the purposes of this Draft EIR. The Project's long-term gross and net operational emissions are summarized below in Table 3.4-5, Estimated Annual Net GHG Emissions from Operation of the Project. The net operational emissions account for the emissions from the land uses to be demolished and/or replaced with the proposed Project uses on the site plus the land uses to be retained. As shown in Table 3.4-5, the Project's estimated net operational emissions would be 3,257 MTCO₂e/yr.

**TABLE 3.4-5
ESTIMATED ANNUAL NET GHG
EMISSIONS FROM OPERATION OF THE PROJECT**

Source	Emissions (MTCO₂e/yr)
Area	3
Energy	2,363
Mobile	1,938
Stationary - Generators	9
Waste	450
Water	110
<i>Gross Operational Emissions</i>	<i>4,873</i>
<i>Existing Operational Emissions (Table 3.4-2)</i>	<i>1,616</i>
Net Operational Emissions	3,257
MTCO ₂ e/yr: metric tons of carbon dioxide equivalent per year	
Notes:	
<ul style="list-style-type: none"> Totals may not add due to rounding variances. Detailed calculations in Appendix B, Air Quality and Greenhouse Gas Emissions Modeling Data. 	

Table 3.4-6, GHG Efficiency Metric for the Project, shows the Project's GHG efficiency using Option B from the City's CAP. According to Section 2.0, Project Description, the Project would add 959 service persons to the Project site (222 residents and 737 full-time employees). Based on the service population of 959 SP for the Project, described above, the GHG efficiency metric would be 3.52 MTCO₂e/SP, which does not exceed the City's CAP GHG efficiency threshold of 3.57 MTCO₂e/SP for 2026. As such, the Project has demonstrated consistency with the City's CAP, and the Project would not generate GHG emissions, either directly or indirectly, that may have a significant impact on the environment. There would be a less than significant impact, and no mitigation is required.

**TABLE 3.4-6
GHG EFFICIENCY METRIC FOR THE PROJECT**

Source	Emissions
Construction Emissions (Amortized) (MTCO ₂ e/yr)	123 ^a
Net Operational Emissions (MTCO ₂ e/yr)	3,257 ^b
Annual GHG Emissions	3,380
Service Population	959
Project-level GHG efficiency (MTCO₂e/SP/yr)	3.52
GHG Efficiency Threshold for 2026 (MTCO₂e/SP/yr)^c	3.57
Exceed Threshold?	No
MTCO ₂ e/yr.: metric tons of carbon dioxide equivalent per year; SP: service person; yr: year	
^a Total derived by dividing construction emissions (see Table 3.4-4) by 30.	
^b Total operational emissions are the gross operational emissions with a net reduction of existing emissions (see Table 3.4-5).	
^c See Table 3.4-3 for threshold for 2026.	

Project with Building A Residential/Commercial

The Project with Building A Residential/Commercial construction is also planned to occur from March 2023 to January 2026 with a six-day work week. All construction assumptions for the Project with Building A Residential/Commercial would be consistent with the Project, except that grading for the subterranean garage and other areas for improvement would require 36,802 cy less of soil export than the Project (for a total of 147,211 cy of soil export) and 2,685 less truckloads than the Project (for a total of 10,515 truckloads for export). The principal source of construction-related GHG emissions would be from internal combustion engines of construction equipment, on-road construction vehicles, and workers' commuting vehicles. The estimated construction GHG emissions for the Project with Building A Residential/Commercial would be 3,637 MTCO₂e, as shown in Table 3.4-7, Estimated GHG Emissions from Construction of the Project with Building A Residential/Commercial.

**TABLE 3.4-7
ESTIMATED GHG EMISSIONS FROM
CONSTRUCTION OF THE PROJECT WITH
BUILDING A RESIDENTIAL/COMMERCIAL**

Year	Emissions (MTCO₂e)
2023	931
2024	1,429
2025	1,267
2026	9
Total	3,637
MTCO ₂ e: metric tons of carbon dioxide equivalent	
Notes:	
<ul style="list-style-type: none"> Totals may not add due to rounding variances. Detailed calculations in Appendix B. 	

As discussed above, operational emissions are comprised of area, energy, mobile, stationary source, waste, and water emissions. Operational GHG emissions for the Project with Building A Residential/Commercial would come primarily from energy, like the Project. Other sources include mobile trips; water consumption; natural gas for space and water heating; and gasoline-powered landscaping and maintenance equipment. Energy emissions are based on the Applicant's estimate of electrical and natural gas use and default CalEEMod values. Mobile source emissions are based on estimated Project with Building A Residential/Commercial-related trip generation forecast of 2,494 daily trips, as contained in the TIA – Outside of CEQA Analysis prepared for the Project with Building A Residential/Commercial (Pasadena DOT 2021b) and incorporate the VMT assumptions for the Project with Building A Residential/Commercial's trips (Pasadena DOT 2021c). The emissions analyses also include the anticipated electrical demand, natural gas demand, and mobile trips for the conversion of the two historic buildings to commercial uses, which are assumed to be restaurant for the purposes of this Draft EIR. The Project with Building A Residential/Commercial's long-term gross and net operational emissions are summarized below in Table 3.4-8, Estimated Annual Net GHG Emissions from Operation of the Project with Building A Residential/Commercial. The net operational emissions account for the emissions from the land uses to be demolished and replaced with the proposed Project uses on the site. As shown in Table 3.4-8, the Project's estimated net operational emissions would be 1,618 MTCO₂e/yr.

**TABLE 3.4-8
ESTIMATED ANNUAL NET GHG EMISSIONS FROM
OPERATION OF THE PROJECT WITH
BUILDING A RESIDENTIAL/COMMERCIAL**

Source	Emissions (MTCO₂e/yr)
Area	6
Energy	2,249
Mobile	798
Stationary - Generators	9
Waste	62
Water	110
<i>Gross Operational Emissions</i>	3,233
<i>Existing Operational Emissions (Table 3.4-2)</i>	1,616
Net Operational Emissions	1,618
MTCO ₂ e/yr: metric tons of carbon dioxide equivalent per year Notes: <ul style="list-style-type: none"> Totals may not add due to rounding variances. Detailed calculations in Appendix B, Air Quality and Greenhouse Gas Emissions Modeling Data. 	

Table 3.4-9, GHG Efficiency Metric for the Project with Building A Residential/Commercial, shows the Project with Building A Residential/Commercial's GHG efficiency using Option B from the City's CAP. According to Section 2.0, Project Description, the Project with Building A Residential/Commercial would add 810 service persons to the Project site (715 residents and 95 full-time employees). Based on the service population of 810 SP, the GHG efficiency metric would be 2.15 MTCO₂e/SP, which does not exceed the City's CAP GHG efficiency threshold of 3.57 MTCO₂e/SP for 2026. As such, the Project with Building A Residential/Commercial has demonstrated consistency with the City's CAP, and would not generate GHG emissions, either directly or indirectly, that may have a significant impact on the environment. There would be a less than significant impact, and no mitigation is required.

**TABLE 3.4-9
GHG EFFICIENCY METRIC FOR THE PROJECT WITH
BUILDING A RESIDENTIAL/COMMERCIAL**

Source	Emissions
Construction Emissions (Amortized) (MTCO ₂ e/yr)	121 ^a
Net Operational Emissions (MTCO ₂ e/yr)	1,618 ^b
Annual GHG Emissions (MTCO₂e/yr)	1,739^c
Service Population	810
Project with Building A Residential/Commercial-level GHG efficiency (MTCO₂e/SP/yr)	2.15
GHG Efficiency Threshold for 2026 (MTCO₂e/SP/yr)^d	3.57
Exceed Threshold?	No
MTCO ₂ e/yr.: metric tons of carbon dioxide equivalent per year; SP: service person	
^a Total derived by dividing construction emissions (see Table 3.4-7) by 30.	
^b Total operational emissions are the gross operational emissions with a net reduction of existing emissions (see Table 3.4-5).	
^c Annual emissions include the amortized construction emissions and the net operational emissions.	
^d City of Pasadena CAP Option B Threshold for the year 2026 (see Table 3.4-3).	

Threshold 3.4b: Would the Project conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases?

Project

A lead agency may assess the significance of GHG emissions by determining a project's consistency with a local GHG reduction plan or CAP that qualifies under Section 15183.5 of the State CEQA Guidelines. A CAP is designed to ensure that development within a jurisdiction occurs in a manner that supports the goals of AB 32. The City adopted its CAP on March 5, 2018. As described above, the CAP is a long-range planning document that guides the City towards long-term emissions reductions in accordance with State of California goals. The CAP analyzes emission sources within the City, forecasts future emissions, and establishes emission reduction targets. This CAP is the City's roadmap to achieving the City's 2030 target and State-mandated goal of 40 percent below 1990 levels by 2030, with the ultimate goal of achieving carbon neutrality by 2045. Thus, the CAP is consistent with State plans, policies, and regulations, AB 32, the AB 32 Scoping Plan and updates, EO B-30-15, SB 32, and EO B-55-18. However, to provide further substantiation that the Project would be consistent with State plans, policies, and regulations, Project consistency with the SCAG 2020–2045 RTP/SCS *Connect SoCal*, CARB's California's Climate Change Scoping Plan (Scoping Plan), and Statewide GHG reduction goals for 2030 or 2050 identified in EO S-3-05 and SB 32, is discussed below.

SCAG's *Connect SoCal* plan is centered on maintaining and better managing the transportation network for moving people and goods, while expanding mobility choices by locating housing, jobs, and transit closer together, and increasing investment in transit and complete streets. *Connect SoCal*'s "Core Vision" includes the following categories: Sustainable Development, System Preservation and Resilience, Demand and System Management, Transit Backbone, Complete Streets, and Goods Movement. The Core Visions detail strategies to implement the goals of *Connect SoCal*. These strategies include, but are not limited to, the following: focus growth near destinations and mobility options; promote diverse housing choices; leverage technology innovations; support implementation of sustainability policies; and promote a green region (SCAG

2020b). The Project would not conflict with these strategies, as it would provide employment opportunities and residential uses on-site and proximate to other related uses. Furthermore, as described in Section 2.0, Project Description, of this Draft EIR, the Project is an infill and mixed-use development project, and is within a Transit Priority Area (TPA) and High-Quality Transit Area HQTa, as defined by the SCAG. Therefore, the Project would provide access for visitors, employees, and residents at the Project site to utilize mass-transit options to travel to and from the site. The Project would promote diverse housing choices by providing assisted living and independent living units on-site, along with medical uses. This would reduce reliance on single-occupancy vehicles. The infill redevelopment component of the Project would accommodate new growth, which would increase connectivity in the existing City neighborhood, especially considering that the Project site is currently underutilized with surface parking and no housing onsite. Additionally, the Project would comply with all pertinent regulations to reduce GHG emissions, including Title 24 Energy Efficiency Standards for Residential and Nonresidential Buildings and the California Green Building Standards Code, which would involve the development of electric vehicle charging infrastructure and bicycle storage and parking. This would assist the City in the transition from fossil fuel-based transportation. Therefore, the Project would not conflict with the *Connect SoCal* plan.

The CARB adopted the Scoping Plan to implement AB 32. The Scoping Plan was adopted in 2008 and updated in 2014 and 2017 and provides a framework for actions to reduce the State's GHG emissions. Statewide plans and regulations, including, but not limited to, light duty vehicle GHG emissions standards, Advanced Clean Car standards, Low Carbon Fuel Standard, Renewable Portfolio Standards, Energy Efficiency Standards for Residential and Nonresidential Buildings, and California Green Building Standards, are being implemented. The Scoping Plan requires CARB and other State agencies to adopt regulations and other initiatives to reduce GHGs in the State. The Scoping Plan is not directly applicable to specific projects, nor is it intended to be used for project-level evaluations. The policies and regulations adopted for the purposes of supporting the Scoping Plan documents (i.e., AB 32, SB 32, EO S-3-05) specify reduction targets for the State. For example, EO S-3-05 establishes the following goals: GHG emissions should be reduced to 2000 levels by 2010, to 1990 levels by 2020, and to 80 percent below 1990 levels by 2050. The 2017 Scoping Plan focuses on GHG reduction targets for 2030, as specified in EO B-30-15 and now SB 32, and the path to meet 2050 GHG emissions goals. At the time of preparation of this EIR, no plans, policies, or regulations that are specific to SB 32 and applicable to the Project have been adopted. The Project would not conflict with the goals of the Scoping Plan and its updates, as the Project would be consistent with the City's CAP and would not exceed the City's CAP Option B GHG threshold of 3.57 MT CO_{2e} per service persons for the operational year of 2026. Additionally, per the reasons described above, including the Project's mixed-use nature within a TPA and HQTa, and because the Project would not exceed the threshold in the City's CAP, this analysis supports the conclusion that the Project would not impede the State's trajectory toward the previously described Statewide GHG reduction goals for 2030 or 2050.

Although VMT would be higher for the Project than existing conditions, as detailed further in Section 3.9, Transportation, of this Draft EIR, the Pasadena DOT determined that the Project would not exceed any of the CEQA transportation thresholds defined in the City's TIA guidelines. With implementation of the Project, there would be a higher efficiency of trips, as mixed uses would be located proximate to each other and public transit options. For example, the Los Angeles County Metropolitan Transportation Authority (Metro) Gold (L) Line runs adjacent to the western site boundary. The nearest light rail platforms are Del Mar Station and Fillmore Station, located approximately ¼-mile due north and due south, respectively. Additional public transit service present near the site includes the California Boulevard/Arroyo Parkway Metro bus stop located in the right-of-way (ROW) on the southern site boundary, and the Bellevue Drive/Arroyo Parkway Metro bus stop located in the ROW at the northeast corner of the site. Multimodal transportation

is encouraged with the availability of bicycle racks on Metro, Pasadena Transit, and City of Los Angeles Department of Transportation (LADOT) buses and at each Metro Gold (L) Line Station. In addition, bicycles are allowed onto Metro Gold (L) Line trains. Transit facilities provided by these agencies within ¼-mile of the Project site include the following: Pasadena Transit bus routes 20, 51, 52; Metro bus routes 177, 256, 501, 686, and 687; and Metro Gold (L) Line (light rail). Public transit availability would reduce vehicle trips and associated GHG emissions when compared with locations without similar transit attributes. Additionally, the Project would provide bicycle parking to encourage reduction of fossil-fueled vehicle use by employees and the associated GHG emissions, and it would provide new facilities for charging of electric vehicles, and parking for low-emission vehicles.

As discussed above under Threshold 3.4a, the Project's GHG efficiency metric would be below the City's CAP GHG efficiency threshold of 3.57 MTCO₂e/SP. The provision of infill development at a higher density than the existing land uses near high-quality transit service supports the goals and policies of the CAP, thereby supporting AB 32, the AB 32 scoping plan and updates, EO B-30-15, SB 32, and EO B-55-18. Therefore, the Project would not conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing GHG emissions. The impact would be less than significant, and no mitigation is required.

Project with Building A Residential/Commercial

Consistent with the Project, the Project with Building A Residential/Commercial's GHG efficiency metric would be below the City's CAP GHG efficiency threshold of 3.57 MTCO₂e/SP, per Option B. As such, the Project with Building A Residential/Commercial has also demonstrated consistency with an applicable plan, policy, or regulation adopted for the purposes of reducing GHG emissions. However, to provide further substantiation that the Project with Building A Residential/Commercial would be consistent with State plans, policies, and regulations, Project with Building A Residential/Commercial consistency with the SCAG 2020–2045 RTP/SCS *Connect SoCal*, CARB's California's Scoping Plan, and Statewide GHG reduction goals for 2030 or 2050 identified in EO S-3-05 and SB 32, is discussed below.

Consistent with the Project, the Project with Building A Residential/Commercial would not conflict with SCAG's *Connect SoCal* plan. The Project with Building A Residential/Commercial would provide employment opportunities and residential uses on-site and proximate to other related uses. Additionally, the Project with Building A Residential/Commercial is an infill and mixed-use development project and is within a TPA and HQT, and would therefore provide access for visitors, employees, and residents at the Project site to utilize mass-transit options to travel to and from the site. The infill redevelopment component of the Project with Building A Residential/Commercial would accommodate new growth, which would increase connectivity in the existing City neighborhood, especially considering that the Project site is currently underutilized with surface parking and no housing onsite. Additionally, the Project with Building A Residential/Commercial would comply with all pertinent regulations to reduce GHG emissions, including Title 24 Energy Efficiency Standards for Residential and Nonresidential Buildings and the California Green Building Standards Code. Therefore, the Project would not conflict with the *Connect SoCal* plan. Regarding consistency with the CARB Scoping Plan, the Project with Building A Residential/Commercial would also not conflict with the goals of the Scoping Plan and its updates, as the Project with Building A Residential/Commercial would be consistent with the City's CAP and would not exceed the City's CAP Option B GHG threshold of 3.57 MTCO₂e per service persons for the operational year of 2026. Because the Project with Building A Residential/Commercial would not exceed the threshold in the City's CAP, and all of the reasons stated above, this analysis supports the conclusion that the Project with Building A Residential/Commercial would not impede the State's trajectory toward the previously described Statewide GHG reduction goals for 2030 or 2050.

Although VMT would be higher for the Project with Building A Residential/Commercial than existing conditions, the Pasadena DOT determined that the Project with Building A Residential/Commercial would not exceed any of the CEQA transportation thresholds defined in the City's TIA guidelines. Compared to the Project, the Project with Building A Residential/Commercial would have substantively lower VMT per Capita and lower VT per Capita. With implementation of the Project with Building A Residential/Commercial, there would be a higher efficiency of trips, as mixed uses would be located proximate to each other and public transit options. Additionally, the Project with Building A Residential/Commercial would also provide bicycle parking to encourage reduction of fossil-fueled vehicle use by employees and the associated GHG emissions and would provide new facilities for charging of electric vehicles and parking for low-emission vehicles. Therefore, the Project with Building A Residential/Commercial would not conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing GHG emissions. This is consistent with the findings for the Project. The impact would be less than significant, and no mitigation is required.

3.4.6 CUMULATIVE IMPACTS

Project

Because the magnitude of global GHG emissions is extremely large when compared with the emissions of typical development projects, it is accepted as very unlikely that any individual development project would have GHG emissions of a magnitude to directly impact global climate change. CAPCOA's *CEQA and Climate Change Report* states, "GHG impacts are exclusively cumulative impacts; there are no non-cumulative GHG emission impacts from a climate change perspective" (CAPCOA 2008). As noted by the CNRA, "Due to the global nature of GHG emissions and their potential effects, GHG emissions will typically be addressed in a cumulative impacts analysis" (CNRA 2009b). Therefore, the analysis presented above represents the cumulative impact analysis of GHG emissions for the Project. As discussed, the Project would be below the GHG efficiency threshold and result in measures that are consistent with goals of the CAP. As such, the Project would have a less than significant impact and no mitigation is required.

Project with Building A Residential/Commercial

As stated above, the analysis presented above represents the cumulative impact analysis for the Project with Building A Residential/Commercial related to GHG emissions, and therefore, the Project with Building A Residential/Commercial would have a less than significant impact and no mitigation is required.

3.4.7 MITIGATION MEASURES

No significant impacts related to GHG emissions would occur, and no mitigation is required.

3.4.8 LEVEL OF SIGNIFICANCE AFTER MITIGATION

Less than significant.

3.4.9 SUMMARY OF ANALYSIS

Project

Option B of the CAP was utilized to establish consistency with the City's CAP for the Project. Based on the service population of 959 SP for the Project, the Project's GHG efficiency metric would be 3.52 MTCO₂e/SP, which does not exceed the City's CAP GHG efficiency threshold of 3.57 MTCO₂e/SP for 2026. As such, the Project has demonstrated consistency with the City's

CAP, and the Project would not generate GHG emissions, either directly or indirectly, that may have a significant impact on the environment. There would be a less than significant impact. As the Project would be consistent with the CAP, it would not conflict with an applicable plan, policy, or regulation adopted for the purposes of reducing GHG emissions. There would be a less than significant impact, and no mitigation is required.

Project with Building A Residential/Commercial

Option B of the CAP was utilized to establish consistency with the City's CAP for the Project with Building A Residential/Commercial. Based on the service population of 810 SP for the Project with Building A Residential/Commercial, the GHG efficiency metric would be 2.15 MTCO₂e/SP, which does not exceed the City's CAP GHG efficiency threshold of 3.57 MTCO₂e/SP for 2026. As such, the Project with Building A Residential/Commercial has demonstrated consistency with the City's CAP, and would not generate GHG emissions, either directly or indirectly, that may have a significant impact on the environment. There would be a less than significant impact and no mitigation is required. As the Project with Building A Residential/Commercial would be consistent with the CAP, it would not conflict with an applicable plan, policy, or regulation adopted for the purposes of reducing GHG emissions. There would be a less than significant impact, and no mitigation is required.

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3.5 HAZARDS AND HAZARDOUS MATERIALS

This section analyzes potential hazards from current and/or past uses on and near the Project site and use and transport of hazardous materials during construction and operation of the Project and Project with Building A Residential/Commercial. Information in this section is derived in part from the *Phase I Environmental Site Assessment; 465, 491, 503, 525 and 577 South Arroyo Parkway, Pasadena, California 91105* (Phase I ESA), prepared by EMG and dated April 2020 (EMG 2020). The Phase I ESA is provided in Appendix E of the Draft EIR.

3.5.1 EXISTING CONDITIONS

Historic and Current Uses of the Project Site

As discussed in Section 2.0, Environmental Setting and Project Description, the Project site consists of five parcels developed with a total of nine commercial buildings with seven businesses. Table 2-1 summarizes the existing on-site land uses.

**TABLE 3.5-1
SUMMARY OF EXISTING LAND USES**

Address	Existing Use	Building Size	Disposition
465 S. Arroyo Parkway	Whole Foods Grocery	73,671 sf	To Be Retained
491/495 S. Arroyo Parkway	K9 Loft	12,676 sf	To Be Demolished
499/503 S. Arroyo Parkway	Corporate Furniture Resource	21,437 sf	To Be Demolished
501 S. Arroyo Parkway	Gold Line Pilates	2,880 sf	Historic Resource; To Be Retained
523 S. Arroyo Parkway	Town & Country Event Rentals	3,002 sf	Historic Resource; To Be Retained
541 S. Arroyo Parkway	Little Lily's Kitchen	7,493 sf	To Be Demolished
577 S. Arroyo Parkway	Guisado's Restaurant	4,306 sf	To Be Demolished
S.: South; sf: square feet			

The Phase I ESA included a chronological history of the Project site uses. Based on review of historical documentation, on-site development was identified beginning in the 1890s (EMG 2020). Table 3.5-2 summarizes the land use history of the Project site roughly by decade. These land uses had a wide variety of tenants, which are listed in the Phase I ESA provided in Appendix E.

**TABLE 3.5-2
LAND USE HISTORY**

Years	Land Use(s)
1890s	Residences and vacant lots
1900s	A factory and vacant lots
1910s	Vacant building and vacant lots
1920 to Mid-1930s	Various commercial buildings (including current 485-497, 499/511 and 501 Arroyo Parkway buildings) and vacant lots
Late 1930s to 1940s	Various commercial buildings (including current 485-497, 499/511 and 501 Arroyo Parkway buildings) and a service station on the southeast portion of the site
1950s to Early 1960s	Various commercial buildings (including current 485-497, 499/511, 501, 523 and 541 Arroyo Parkway buildings) and a service station on the southeast portion of the Project. Of note, a “gasol pump” was noted on the 1950 Sanborn map located on the southeast corner of the 499/511 Arroyo Parkway buildings building
Mid-1960s to Late 1960s	Various commercial buildings (including current 485-497, 499/511, 501, 523 and 541 Arroyo Parkway buildings) and a service station on the southeast portion of the site
1970s	Various commercial buildings (including current 485-497, 499/511, 501, 523 and 541 Arroyo Parkway buildings) and a service station on the southeast portion of the site. Of note, a “gasol” pump was noted on the southeast corner of the 499/511 Arroyo Parkway buildings in the 1970 Sanborn map.
1980s to Early 1990s	Various commercial buildings (including current 485-497, 499/511, 501, 523 and 541 Arroyo Parkway buildings) and a service station on the southeast portion of the site
Mid-1990s to Late 1990s	Various commercial buildings (including current 485-497, 499/511, 501, 523 and 541 Arroyo Parkway buildings)
Early 2000s to Mid-2000s	Various commercial buildings (including current 485-497, 499/511, 501, 523 and 541 Arroyo Parkway buildings) and a service station on the southeast portion of the site. Of note, the service station was demolished in approximately 2002 and replaced by the current 577 Arroyo Parkway building
2008 to Current	Various commercial buildings (including current 441-483, 485-497, 499/511, 501, 523, 541 and 577 Arroyo Parkway buildings)
EMG. 2020 (April 30). <i>Phase I Environmental Site Assessment</i> ; 465, 491, 503, 525 and 577 South Arroyo Parkway, Pasadena, California 91105. Owings Bills, MD: EMG. Appendix E.	

Phase I Environmental Site Assessment

The purpose of a Phase I ESA is to identify “recognized environmental conditions” or RECs, which are defined as “the presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substance or petroleum products into structures on the property or into the ground, groundwater, or surface water of the property”. Therefore, a Phase I ESA addresses the potential for site contamination due to past or present land uses and the potential for future site contamination based on current conditions on and surrounding a site.

The Phase I ESA did not identify any current RECs that warranted further site investigation (e.g., soil and/or water testing) based on current or historic uses of the site. The Phase I ESA also reviewed off-site facilities that have suspected or documented environmental concerns or RECs that could negatively impact the Project site. It was determined that no off-site facilities have the potential to impact the Project site, and there are no applicable RECs (EMG 2020).

Historical Recognized Environmental Condition

The Phase I ESA concluded that there was one Historical REC. An Historical REC is defined under American Society for Testing and Materials (ASTM) E1527–13 as a past release of any

hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted residential use criteria established by a regulatory authority, without subjecting the property to any required controls (e.g., property use restriction, AULS, institutional controls, or engineering controls), at the time the Phase I ESA is conducted. Essentially, this means a property was, or would have been, categorized as an REC at some point in the past, but has been remediated (i.e., cleaned up) to a point that it is not considered an REC at the time the Phase I ESA is prepared (in this case 2020).

As part of the Phase I ESA, it was determined that a former ARCO station at 125 East California Boulevard was located on the Project site from approximately the 1930s to 2002 and utilized at least three underground storage tanks (USTs). This facility was on the southern portion of the site, the location of the current restaurant at 577 South Arroyo Parkway (EMG 2020).

An unauthorized gasoline release impacting groundwater was first reported in 1988 and soil vapor extraction operations were initiated. In 1998, three USTs were removed from the site and various soil and groundwater investigations were subsequently conducted. The station received a “no further action” letter from the Pasadena Fire Department (PFD) dated May 24, 2000. However, the former ARCO site also received an additional clarification letter regarding this “no further action” letter stating that while the site has complied with the regulatory requirements for the site investigation/remediation, contamination remained at the site below regulatory action levels. A Declaration of Environmental Restriction allowing access for remediation was recorded on August 21, 2002, that was to terminate 90 days after No Further Action was received. Quarterly monitoring was conducted, and 761 cubic yards of soil was removed. The Los Angeles Regional Water Quality Control Board (LARWQCB) granted case closure on December 3, 2004, with no property use restrictions, activity and use limitations, institutional controls, or engineering controls. The monitoring wells were abandoned in 2005. The Phase I ESA concluded that based on the “no further action” status, the historical use of the Project as a service station represents a Historical REC (EMG 2020). As noted above, there are no controls on this portion of the site related to this past gasoline release and remediation.

Other Notable Findings

The Phase I ESA also identified other findings related to current and past land uses that were determined to be “de minimis conditions” or otherwise did not rise to the level of an REC; these are described below.

Gasoline Pump

A “gasol” pump was identified in the southeastern corner of what was then 511 South Arroyo Parkway based on Sanborn maps dated 1950 and 1970. This is no longer a street address in use; this would be in the central portion of the Project site in the area now occupied by the structure at 501 South Arroyo Parkway. “Gasol” is an abbreviated term for gasoline, which is used on Sanborn maps during this time period. A “gasol” pump generally consists of a fuel dispenser and most commonly a mechanical pump and nozzle. Based on the lack of information related to the historical presence of a “gasol” pump on-site, Ramboll US Corporation (Ramboll) conducted a Phase II Environmental Site Assessment to evaluate the subsurface conditions in the vicinity of the pump. On February 13, 2018, Spectrum Geophysics of Chatsworth conducted a geophysical survey to mark subsurface utility lines, subsurface structures, and underground obstructions in the area of concern. During the geophysical survey, two approximately two-inch-diameter metal conduits were observed extending above ground surface in the general vicinity of the former “gasol” pump (EMG 2020).

One conduit was located within an elevated concrete pad, extended approximately three inches above the ground surface and was backfilled with concrete. The second conduit extended approximately two inches above the ground surface and was open to an approximate depth of five feet below ground surface (bgs). A petroleum-like odor was noted on the measuring tape used to measure the total depth of the open conduit. Finally, a subsurface metallic anomaly, suggestive of piping, was detected approximately one-half foot bgs and extended laterally between the two aforementioned conduits. Two soil borings were also advanced to 20 feet bgs in the vicinity of the former pump. Soil samples were collected from borings at approximate depths of 5, 10, 15, and 20 feet bgs and were field screened for organic vapors with a photoionization detector (EMG 2020).

The soil samples were also submitted to a laboratory for the analysis of volatile organic compounds (VOCs), oxygenates and methyl tert butyl ether (MTBE), total petroleum hydrocarbons (TPH)-gasoline range organics (GRO), TPH-diesel range organics (DRO), TPH-oil range organics (ORO), and lead. Groundwater samples were not collected due to the typical depth to groundwater in the area (more than 140 feet bgs). No VOC, MTBE or TPH were detected in soil samples. Lead was detected at concentrations ranging from 3.8 mg/kg to 10 mg/kg; however, all concentrations were below the U.S. Environmental Protection Agency (USEPA) regional screening levels for residential and commercial/industrial use, and within typical background levels for California. Based on this information, the Phase I ESA stated the former “gasol” pump represents a de minimis condition associated with the site and no further action or investigation is recommended (EMG 2020).

Bus Facility and Fueling Station

The review of the historical data available for the site identified that a bus facility (and later a distributing company, auto repair facility, tire center and auto detailing shop) with an associated fueling station was located on the northern portion of the site, in the area of the current Whole Foods store, from approximately the 1930s through 2007. Sanborn Maps from 1950 through 1970 depicted “gas and oil tanks” in the southern portion of the Whole Foods site. Furthermore, a UST was formerly associated with 455 South Arroyo Parkway, in the area of the current Whole Foods store. No details regarding the size or contents of the UST were provided. Additionally, Absolute Automotive at 451 South Arroyo Parkway was listed on the historical auto station database which may have also been associated with this address/business. No records regarding the installation or removal of USTs were found during this assessment (EMG 2020).

As a three-story underground parking garage was constructed at the Whole Foods building, the Phase I ESA stated that it appears likely that any onsite USTs or potentially contaminated soils associated with USTs would have been excavated and removed during the construction of the parking garage. Based on the excavation of onsite soils during the redevelopment in 2008 and anticipated depth to groundwater (approximately 150 feet bgs), the former bus fueling facility and historical USTs do not appear to represent a REC. The Phase I ESA concluded that no further action or investigation is recommended (EMG 2020).

Hazardous Building Materials

Based on the date of construction (1921, 1925, 1951, 2003 and 2008), there is a potential that asbestos containing materials (ACMs) exist at the Project. The suspect asbestos containing roofing materials, ceiling tile, wallboard/joint compound, vinyl floor tile, vinyl sheet flooring and various mastics were observed in generally good condition except for some limited areas of damage noted in the 499/511 Arroyo Parkway building and the 577 Arroyo Parkway building (EMG 2020).

Considering the dates of construction (1921, 1925, 1951, 2003 and 2008), there is a potential that there is lead-based paint existing at the site. The painted surfaces were observed to be in generally good condition, with no chipping, peeling, or cracking paint observed. All paint applied prior to 1978 is considered suspect (EMG 2020).

Waste Generation

One cooking grease bin and an in-ground grease trap, which were not currently in use, were identified at the vacant former Margarita Jones restaurant (541 South Arroyo Parkway) and an additional in-ground grease trap, which is not currently in use was identified at the 577 South Arroyo Parkway building located on the southwest portion of the site, which was vacant at the time the Phase I ESA was prepared and is now operating as Guisado's Restaurant. In addition, a 55-gallon drum was observed on the southwest portion of the site. According to labeling on the drum, the contents are "Non-hazardous" and consist of soil cuttings that were generated during the completion of a subsurface investigation at the Project in 2018. No evidence of releases from the grease bin, traps or drum, such as staining or dead vegetation, was observed. The cooking grease in the bin and any remaining cooking grease located in the grease traps, as well as the contents of the soil cutting drum, were recommended for disposal by a licensed contractor in accordance with applicable regulations in the Phase I ESA (EMG 2020). The Applicant reports the soil cuttings and cooking grease have been disposed of appropriately and restaurants now occupy the locations of the grease traps; these properties were unoccupied at the time of the Phase I ESA site reconnaissance.

3.5.2 RELEVANT PROGRAMS AND REGULATIONS

Federal

Resource Conservation and Recovery Act

The Resource Conservation and Recovery Act (RCRA) was authorized by Congress on October 21, 1976, through the amendment of the Solid Waste Disposal Act. This law creates the framework for the proper management of hazardous and non-hazardous solid waste. The California Environmental Protection Agency (CalEPA) and the Department of Toxic Substances Control (DTSC) regulate the generation, transportation, treatment, storage, and disposal of hazardous waste under both the RCRA and the California Hazardous Waste Control Act, discussed further below. Both laws impose "cradle-to-grave" regulatory systems for handling hazardous waste in a manner that protects human health and the environment.

Emergency Planning & Community Right to Know Act

The Emergency Planning & Community Right to Know Act (EPCRA) was enacted by Congress as the national legislation on community safety. This law was designated to help local communities protect public health, safety, and the environment from chemical hazards. The primary purpose of EPCRA is to inform communities and citizens of chemical hazards in their areas by requiring businesses to report the locations and quantities of chemicals stored on-site to State and local agencies. These reports help communities prepare to respond to chemical spills and similar emergencies.

Section 3131 of EPCRA requires manufacturers to report releases to the environment (i.e., air, soil, and water) of more than 600 designated toxic chemicals; report off-site transfers of waste for treatment or disposal at separate facilities; pollution prevention measures and activities; and participate in chemical recycling. These annual reports are submitted to the USEPA and state agencies. The USEPA maintains and publishes a database that contains information on toxic chemical releases and other waste management activities by certain industry groups and federal

facilities. This online, publicly available, national digital database is called the Toxics Release Inventory and was expanded by the Pollution Prevention Act of 1990.

To implement EPCRA, Congress required each state to appoint a State Emergency Response Commission (SERC) to coordinate planning and implementation activities associated with hazardous materials. The SERCs were required to divide their states into Emergency Planning Districts and to name a Local Emergency Planning Committee (LEPC) for each district. The federal EPCRA program is implemented and administered in California by the California Emergency Management Agency (Cal EMA), a SERC, six LEPCs, and 83 Certified Unified Program Agencies (CUPAs). Cal EMA provides staff support to the SERC and the LEPCs. The Governor's Office of Emergency Services (OES) coordinates and provides staff support for the SERC and LEPCs. Broad representation by firefighters, health officials, government and media representatives, community groups, industrial facilities, and emergency managers ensures that all necessary elements of the planning process are represented.

Hazardous Materials Transportation Act

The Hazardous Materials Transportation Act, promulgated under Title 49 of the CFR and administered by the U.S. Department of Transportation (DOT), governs the handling and transport of hazardous materials, including medical waste. In 1999, the DOT defined regulated medical waste as a hazardous material under Class 6.2 of the DOT regulations, thereby subjecting it to the provisions of the Hazardous Materials Transportation Act. The California Department of Transportation (Caltrans) implements these federal regulations for hazardous materials transported within California.

State

Medical Waste Management Act

The Medical Waste Management Act (MWMA) (*California Health and Safety Code* Sections 117600-118360) governs the management of medical waste in California. The Medical Waste Management Program (MWMP), administered by the California Department of Public Health (DPH), Environmental Management Branch, regulates the generation, handling, storage, treatment, and disposal of medical waste by providing oversight for the implementation of the MWMA. The MWMA regulates the storage, disposal, and transport of medical waste through a registration and permit process, including requirements for an on-site medical waste management plan. The regulations require special containers for medical, biohazardous, and sharps wastes; storage of medical waste in the common storage facility; segregation of the biohazard and medical wastes from other hazardous wastes; medical waste transportation requirements; the use of steam sterilization, incineration, microwave, or other approved technology to treat medical waste on site; protective clothing for handlers; treatment and tracking records; and annual inspection and enforcement provisions.

California Occupational Safety and Health Administration

The Division of Occupational Safety and Health, better known as Cal/OSHA, protects and improves the health and safety of working men and women in California through setting and enforcing standards; providing outreach, education, and assistance; and issuing permits, licenses, certifications, registrations, and approvals. Employers are required to monitor worker exposure to listed hazardous substances and notify workers of exposure (8 *California Code of Regulations* [CCR] Sections 337-340). Cal/OSHA regulations specify employer requirements including employee training, provision of safety equipment, accident-prevention programs, and hazardous substance exposure warnings.

Asbestos Abatement

Asbestos is a known human carcinogen, and the USEPA and CalEPA have identified asbestos as a hazardous air pollutant pursuant to Section 12 of the Federal Clean Air Act. Further, the California Air Resources Board (CARB) has identified asbestos as a Toxic Air Contaminant (TAC), pursuant to the *California Health and Safety Code* (Section 39650 et. seq.). Asbestos is also regulated as a potential worker safety hazard under the authority of the CalOSHA, discussed above. These rules and regulations prohibit emissions of asbestos from asbestos-related demolition or construction activities; require medical examinations and monitoring of employees engaged in activities that could disturb asbestos; specify precautions and safe work practices that must be followed to minimize the potential for release of asbestos fibers; and require notice to federal and local government agencies prior to beginning renovation or demolition that could disturb asbestos.

In California, asbestos abatement must be performed and monitored by contractors with appropriate certifications from the California Department of Health Services (DHS). In addition, CalOSHA has regulations to protect worker safety during potential exposure to asbestos under Title 8 of the *California Code of Regulations* (Section 1529 Asbestos). All demolition that could result in the release of asbestos must be conducted according to CalOSHA standards. These standards were developed to protect the general population and construction workers from respiratory and other hazards associated with exposure to these materials.

The South Coast Air Quality Management District's (SCAQMD's) Rule 1403 provides guidelines for the proper removal and disposal of asbestos-containing materials. In accordance with Rule 1403, structures that may contain asbestos are required to be subject to an asbestos survey by a Certified Asbestos Consultant (certified by CalOSHA) to identify building materials that contain asbestos. Under this rule, removal of asbestos must include prior SCAQMD notification; compliance with removal procedures and time schedules; asbestos-handling and clean-up procedures; and storage, disposal, and landfilling requirements.

Lead Abatement

Because of its toxic properties, lead is regulated as a hazardous material. Inorganic lead is also regulated as a TAC. In California, lead abatement must be performed and monitored by contractors with appropriate certifications from the California DHS. In addition, CalOSHA has adopted regulations to protect worker safety during potential exposure to lead under Title 8 of the *California Code of Regulations* (Section 1532.1 Lead). All demolition that could result in the release of lead must be conducted according to these standards, which were developed to protect the general population and construction workers from respiratory and other hazards associated with lead exposure.

Business Plan Act

In recognition of the dangers associated with keeping hazardous substances, the state legislature has enacted several laws regulating the use and transport of identified hazardous materials. California's Hazardous Materials Release Response Plans and Inventory Law, sometimes called the "Business Plan Act," aims to minimize the potential for accidents involving hazardous materials and to facilitate an appropriate response to possible hazardous materials emergencies. The law requires businesses that use hazardous materials to provide inventories of those materials to designated emergency response agencies, to illustrate on a diagram where the materials are stored onsite, to prepare an emergency response plan, and to train employees to use the materials safely.

Chapter 6.95 of the California Health and Safety Code and Title 19 of the California Code of Regulations describe the requirements for chemical disclosure, business emergency plans, and community right-to-know programs. In particular, Chapter 6.95 requires all businesses using hazardous materials to inform local government agencies of the types and quantities of materials stored on site. This disclosure enables emergency response agencies to respond quickly and appropriately to accidents involving dangerous substances.

The State requires the owner or operator of any business that handles hazardous materials in quantities equal to or greater than 55 gallons, 500 pounds, or 200 cubic feet of gas at standard temperature and pressure, to develop and submit a business plan. The Governor's Office of Emergency Services (OES), acting pursuant to Section 25503.3 of the Health and Safety Code, has developed a single comprehensive hazardous materials inventory form for businesses to use to submit their individual hazardous materials inventories. This form contains all State and federally required inventory information and use of this form is mandatory.

California Hazardous Waste Control Act

The California Hazardous Waste Control Act (HWCA), as found in the *California Health and Safety Code* (see Division 20, Chapter 6.5, Article 2, Section 25100, et seq.) authorizes the DTSC and local CUPA to regulate facilities that generate or treat hazardous waste. The HWCA authorizes CUPAs to perform the following actions:

- Conduct inspections of any factory, plant, construction site, waste disposal site, transfer station, establishment, or any other place or environment where hazardous wastes are stored, handled, processed, disposed of, or being treated to recover resources
- Maintain records of compliance with the HWCA
- Require hazardous waste generators to pay inspection and administration fees to cover the costs of administering the provisions in the HWCA. Fees may include but shall not be limited to the costs of inspection, document development and processing, recordkeeping, enforcement activities, and informational materials development and distribution
- Issue authorization for on-site treatment of hazardous waste to persons eligible to operate pursuant to permit-by-rule, conditional authorization, or conditional exemption
- Enforce against violations of the HWCA

Local

Certified Unified Program Agency

Senate Bill (SB) 1082 (1993) established the Unified Hazardous Waste and Hazardous Materials Management Regulatory Program, which consolidates, coordinates, and makes consistent six different hazardous material/waste programs. A CUPA is an agency of a county or city that administers these State programs regulating hazardous materials and hazardous wastes. Currently, there are 83 CUPAs in California.

The Los Angeles County Fire Department (LACFD) is the CUPA for much of Los Angeles County. However, the Pasadena Fire Department (PFD) is designated as a participating agency and is authorized to implement one or more of the program elements within their jurisdiction. The LACFD and PFD administer the following programs:

- Hazardous Materials Release Response and Inventory Program;

- California Accidental Release Prevention Program (CalARP), a combination of federal and state programs for the prevention of accidental release of regulated toxic and flammable substances;
- Underground Storage Tanks (UST) Program;
- Aboveground Storage Tanks (AST) Program; and
- Hazardous Waste Generator Program.

Pasadena Municipal Code

Chapter 8.80, Handling and Disclosure of Hazardous Materials, of the Pasadena Municipal Code (PMC) is applicable to all businesses in the City that handle hazardous materials. It establishes uniform standards for disclosure, fees, and penalties associated with the proper handling of hazardous materials. The Pasadena fire chief is empowered to enforce compliance, and the PFD is authorized to clean up or abate the effects of any hazardous materials deposited on public or private property in the City.

3.5.3 THRESHOLDS OF SIGNIFICANCE

The following significance criteria are derived from Appendix G of the State CEQA Guidelines. A project would result in a significant adverse hazards and hazardous materials impact if it would:

- Threshold 3.5a:** Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials;
- Threshold 3.5b:** Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter-mile of an existing or proposed school; and/or
- Threshold 3.5c:** Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would create a significant hazard to the public or the environment.

The Initial Study (provided in Appendix A-1) concluded the following thresholds related to hazards and hazardous materials were determined to result in no impacts or less than significant impacts and were not carried forward into the Draft EIR for further analysis:

- Would the project create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?
- For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard or excessive noise for people residing or working in the project area?
- Would the project impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?
- Would the project expose people or structures, either directly or indirectly, to a significant risk of loss, injury, or death involving wildland fires?

3.5.4 METHODOLOGY

The contents of Phase I ESAs are defined by national record review requirements in accordance with both the ASTM E1527-13 Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process and the USEPA Standards and Practices for All Appropriate Inquiries (40 *Code of Federal Regulations* [CFR] Part 312). The Phase I ESA for the proposed Project was conducted in accordance with these standards. The findings of the Phase I ESA would apply equally to the Project and Project with Building A Residential/Commercial.

3.5.5 ENVIRONMENTAL IMPACTS

Threshold 3.5a: Would the Project create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?

Project

Hazardous materials are routinely used by businesses and private individuals. Common community businesses in urban areas that utilize hazardous materials include service stations, medical labs, dry cleaners, and photo-processing centers. In addition, commonly used household products such as paints, cleaners, oils, batteries, and pesticides contain hazardous materials. Accordingly, hazardous materials that may be commonly encountered in a typical urban environment generally include petroleum products (including oil and gasoline); automotive fluids (antifreeze, hydraulic fluid); paint; cleaners (dry cleaning solvents, cleaning fluids); and pesticides from current or historical agricultural uses (if in significant concentrations). Accidental spills or leaks, illegal dumping of hazardous waste, improper storage, or a transportation accident could release hazardous materials or wastes in the community and pose public health and safety risks.

Operation of medical and medical-related facilities, such as the medical offices in Building A and assisted living facilities in Building B, would involve the routine transport, use, and disposal of hazardous materials (e.g., pharmaceutical products, medical gases, radioisotopes and x-ray producing machines, cleaners, solvents, medical and biological wastes). This would include the use of hazardous materials for various medical procedures and facility maintenance and generation of biomedical waste. These types of materials are typical of any medical facility and would not be considered acutely or unusually hazardous. Also, each proposed building would have a 50-kilovolt standby emergency engine diesel generator.

Health care facilities in California are licensed, regulated, inspected, and/or certified by several public and private agencies at the State and federal levels. In particular, the DPH Licensing and Certification Program is responsible for ensuring health care facilities comply with State laws and regulations. All medical and medical-related uses proposed for the Project would obtain required licenses/permits for the operation of the facility, including those needed for the laboratories, radiologic equipment, medical devices, workplace safety, radioactive materials, and certified professionals. Health care professionals at both the medical offices in Building A and the assisted living facilities in Building B would also be licensed individuals, where necessary.

All hazardous materials and/or wastes associated with the Project, including those related to proposed commercial uses and the presence of diesel generators, would be transported only by a Licensed Hazardous Waste Hauler, who must meet all applicable State and federal requirements, including U.S. DOT regulations under 49 *Code of Federal Regulations* (Hazardous Materials Transportation Act) and Caltrans standards pursuant to the Hazardous Materials Transportation Act to be licensed. Additionally, the Project would be required to comply with all applicable permitting, reporting, and other requirements of the following CUPA programs,

administered by the PFD and/or LACFD: Hazardous Materials Release Response and Inventory Program; CalARP; AST Program; and Hazardous Waste Generator Program.

These regulations would require permits, disclosure and inventory, spill prevention and response plans, monitoring and inspections, spill reporting, emergency procedures, employee training, remedial actions, and other compliance measures to prevent the release of hazardous materials into the environment. Thus, no public health hazards associated with the day-to-day operations of the Project would be created at the site. With compliance with all applicable regulations, the Project would not result in a significant hazard to the public or the environment related to the routine transport, use, disposal, and storage of hazardous materials. The Project would result in less than significant impacts, and no mitigation is required.

Project with Building A Residential/Commercial

The Project with Building A Residential/Commercial would not generate as much biomedical waste (categorized as hazardous materials) as the Project, since only the assisted living building would generate such materials. This development scenario would instead generate a mix of non-hazardous municipal waste and biomedical waste. Like the Project, the buildings would each have a standby emergency generator. Therefore, the same regulations for health care facilities would remain applicable to Building B, and the same regulations for commercial uses and the presence of diesel generators would remain applicable. Even though this scenario would not result in generating as much biomedical waste as the Project, the risk to the public or the environment would not be appreciably reduced under this scenario because 1) health care facilities are strictly regulated in California, and 2) the types of medical facilities and related materials used in either the Project or this scenario are typical of medical facilities and not acutely or unusually hazardous. As with the Project, the Project with Building A Residential/Commercial would result in less than significant impacts, and no mitigation is required.

Threshold 3.5b: Would the Project emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter-mile of an existing or proposed school?

Project

The Project site is within approximately one-quarter mile of the following three schools:

- Mayfield Junior School, 405 South Euclid Avenue;
- The Waverly School, 67 West Bellevue Drive; and
- Aria Montessori School, 693 South Euclid Avenue.

The emission or handling of hazardous materials or substances could pose hazards to nearby schools in the event of an accidental release or spill. As discussed under Thresholds 3.5(a) above and 3.5(c) below, construction and operation of the Project would involve the use of common hazardous substances, potential encounter of hazardous building materials (ACMs and LBP), and use of medical and medically related materials that can be categorized as hazardous.

As discussed below, compliance with SCAQMD Rule 1403 and the CalOSHA's Title 8 regulations on asbestos and lead abatement would be a condition of Project approval and would ensure that handling and disposal of these materials is conducted safely and accident conditions during demolition activities would not be reasonably foreseeable. Handling and use of common hazardous materials, such as fuel, oil, and solvents, during construction was addressed in the Initial Study.

As discussed above, there are several regulations pertaining to management of hazardous materials and wastes, including materials associated with health care facilities, that would apply to the operation of the Project. As noted, health care facilities are strictly regulated in California and the types of medical facilities and related materials used in the Project are typical of medical facilities and not acutely or unusually hazardous. All hazardous materials and/or wastes associated with the Project, including those related to proposed commercial uses and the presence of diesel generators, would be transported and handled in compliance with the Hazardous Materials Transportation Act and applicable CUPA programs. As such, an accidental release capable of affecting nearby schools is not reasonably foreseeable.

The Project would result in less than significant impacts related to emission of hazardous emissions or handling hazardous or acutely hazardous materials, substances, or waste within proximity to schools in the Project site vicinity, and no mitigation is required.

Project with Building A Residential/Commercial

As discussed above under Threshold 3.5(a), while the Project with Building A Residential/Commercial would generate relatively less biomedical waste than the Project, this development scenario would still generate biomedical waste. This is the only difference in construction or operation related to hazardous materials compared to the Project. Therefore, the same regulations for health care facilities would remain applicable to Building B, and the same regulations for commercial uses and the presence of diesel generators would remain applicable. As such, like the Project, the Project with Building A Residential/Commercial would result in less than significant impacts related to schools in the Project site vicinity, and no mitigation is required.

Threshold 3.5c: Would the Project be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?

Project

Cortese List and Other Listed Sites

Based on review of the Cortese List data resources, the Project site is not located on the State of California Hazardous Waste and Substances Sites List of sites published by CalEPA and compiled pursuant to Section 65962.5 of the *California Government Code* (referred to as the Cortese List). There is one site on the Cortese List located in the City of Pasadena, which is the Jet Propulsion Laboratory (CalEPA 2020), located approximately 4.25 miles to the northwest.

As discussed above, a Phase I ESA was conducted and identified no RECs related to current or historic land uses on or surrounding the Project site. The Phase I ESA did identify one Historical REC on the southern portion of the Project site based on a former service station and associated gasoline release that was remediated. Based on the “no further action” regulatory status of this portion of the Project site, the Phase I ESA states no further action or investigation is recommended (EMG 2020; Appendix E). As noted above, there are no controls on this portion of the site related to this past gasoline release and remediation.

Furthermore, a Historical REC is not a REC, defined under ASTM E1527-13 as the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to any release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment. For a past release to be determined a Historical REC, the release or other event must have been previously cleaned up or meet current regulatory standards without clean up. As

such, there are no conditions present on the site such that excavation activities would be expected to encounter on-site contamination. Handling and transport of hazardous materials, that would represent a significant hazard to construction workers, the public, or the environment, is not anticipated.

Hazardous Building Materials

The likely presence of ACMs and LPB at the site, due to the age of the buildings, was disclosed in the Initial Study (see Appendix A of this Draft EIR). Compliance with SCAQMD Rule 1403 and the CalOSHA's Title 8 regulations on asbestos and lead abatement would be conditions for the Project approval and would ensure that handling and disposal of these materials is conducted safely, and accident conditions during demolition activities would not be reasonably foreseeable. As such, the transport, use, and disposal of hazardous materials required for construction and the presence of ACMs and LBP in buildings to be demolished would not present a significant hazard to the construction workers, the public, or the environment. The Project would result in less than significant impacts, and no mitigation is required.

Project with Building A Residential/Commercial

The analysis of potential hazards related to location on a site identified on the Cortese List, past or present land uses, and/or hazardous building materials would be the same for both the Project and the Project with Building A Residential/Commercial. The analysis is based entirely on the history and/or current land uses on the site and the planned demolition of buildings that likely contain ACMs and/or LBP, and planned land uses have no bearing on the conclusions. The Project with Building A Residential/Commercial would result in less than significant impacts, and no mitigation is required.

3.5.6 CUMULATIVE IMPACTS

Project

Existing developments in the City, including health care facilities, pose risks to public health and safety with respect to the use, storage, handling, generation, transport, and disposal of hazardous materials. Future developments throughout the City would increase these risks as more facilities or operations may utilize hazardous materials or may be located on the Cortese list or other hazardous materials databases.

Regulations for a variety of activities and uses to protect public health and safety exist at all levels of government. Compliance of individual projects, including the Project, with pertinent regulations would preserve public health and safety and would prevent hazards to existing and future developments. Thus, with compliance with regulations, future growth and development in the City is not expected to present significant risks to public health and safety. Also, future growth and development would be subject to review and approval by the PFD and LACFD (i.e., CUPA), as applicable to land uses that handle hazardous materials and/or generate hazardous waste. The Project's compliance with existing health and safety regulations as discussed in this section would prevent the creation of health risks and public safety hazards. Therefore, the Project's contribution to cumulative impacts would be less than significant, and no mitigation is required.

Project with Building A Residential/Commercial

The cumulative impact analysis of hazards and hazardous materials for the Project with Building A Residential/Commercial would be the same as that of the Project.

3.5.7 MITIGATION MEASURES

No significant impacts related to hazards and hazardous materials would occur, and no mitigation is required.

3.5.8 LEVEL OF SIGNIFICANCE AFTER MITIGATION

Less than significant.

3.5.9 SUMMARY OF ANALYSIS

Project

Construction and operation of the Project would not result in a significant hazard to the public or the environment related to the routine transport, use, disposal, and storage of hazardous materials through compliance with all applicable regulations. There would be a less than significant impact, and no mitigation is required. Construction and operation of the Project would not result adversely affect schools in the vicinity through compliance with applicable regulations. There would be a less than significant impact, and no mitigation is required. There are no conditions present on the site due to current or historic land uses such that excavation activities would be expected to encounter on-site contamination. Handling and transport of hazardous materials, that would represent a significant hazard to construction workers, the public, or the environment, is not anticipated. There would be a less than significant impact, and no mitigation is required.

Project with Building A Residential/Commercial

The summary of findings for the Project with Building A Residential/Commercial would be comparable to the findings for the Project. The only difference is that this scenario would not generate as much biomedical waste (categorized as hazardous materials) as the Project. As with the Project, the Project with Building A Residential/Commercial would result in less than significant impacts related to hazards and hazardous materials, and no mitigation is required.

3.5.10 REFERENCES

EMG. 2020 (April 30). *Phase I Environmental Site Assessment; 465, 491, 503, 525 and 577 South Arroyo Parkway, Pasadena, California 91105*. Owings Mills, MD: EMG. Appendix E.

3.6 **LAND USE AND PLANNING**

This section discusses consistency of the proposed Project and Project with Building A Residential/Commercial with applicable City land use and planning documents and regulations as well as land use consistency. Information in this section is derived in part from *City of Pasadena General Plan* and its Environmental Impact Report (EIR) and the Central District Specific Plan (CDSP).

3.6.1 **EXISTING CONDITIONS**

On-Site and Surrounding Land Uses

The Project site consists of five parcels developed with a total of nine commercial buildings with seven businesses. All existing buildings on the site are one or two stories with heights ranging between 17 feet and 63 feet. All existing land uses have surface parking except for the Whole Foods Market, which has a 275-space subterranean parking structure for its sole use. Table 3.6-1 summarizes the existing on-site land uses; and Exhibit 2-2, Existing Project Site, in Section 2.0, Environmental Setting and Project Description, illustrates the addresses and locations of the nine existing buildings and other on-site land uses.

**TABLE 3.6-1
SUMMARY OF EXISTING LAND USES**

Address	Existing Use	Building Size	Disposition
465 S. Arroyo Parkway	Whole Foods Grocery	73,671 sf	To Be Retained
491/495 S. Arroyo Parkway	K9 Loft	12,676 sf	To Be Demolished
499/503 S. Arroyo Parkway	Corporate Furniture Resource	21,437 sf	To Be Demolished
501 S. Arroyo Parkway	Gold Line Pilates	2,880 sf	Historic Resource; To Be Retained
523 S. Arroyo Parkway	Town & Country Event Rentals	3,002 sf	Historic Resource; To Be Retained
541 S. Arroyo Parkway	Little Lily's Kitchen	7,493 sf	To Be Demolished
577 S. Arroyo Parkway	Guisado's Restaurant	4,306 sf	To Be Demolished
Total Existing Building Area		125,465 sf	
S.: South; sf: square feet			

The Project area is an urban environment, and the site and surrounding area are fully built out with a broad mix of land uses. These land uses also represent a variety of ages, architectural styles, heights, and conditions. Exhibit 2-3, Aerial Photograph, in Section 2.0 shows the site and existing land use types in the surrounding area.

Commercial land uses are primarily located to the north, including retail, services, and restaurants. Other land uses to the north include medical offices; Pasadena Humane Society, located approximately 0.1-mile to the northwest; Central Park, located approximately 0.2-mile northwest of the site; and single- and multi-family residential land uses located, at the nearest, approximately 0.2-mile to the north on Del Mar Boulevard and approximately 0.1-mile to the north-northeast on Bellevue Drive. Commercial land uses are located opposite the Project site on Arroyo Parkway. Single- and multi-family residential land uses are situated less than 0.1-mile to the east along Marengo Avenue and Arroyo Parkway. Land uses to the south include a mix of commercial, medical office, and single- and multi-family residential land uses; the latter is located along Marengo Avenue and California Boulevard to the southeast. To the west, there is a mix of commercial and non-profit (i.e., npr/KPCC and Union Station Homeless Services) uses. Further from the site, land uses include a mix of commercial, medical, light industrial, single- and multi-family residential, and public (e.g., schools, churches, parks).

3.6.2 RELEVANT PROGRAMS AND REGULATIONS

Regional

Southern California Association of Governments

The Southern California Association of Governments (SCAG) is the Metropolitan Planning Organization (MPO) for six counties: Los Angeles, Orange, San Bernardino, Riverside, Ventura, and Imperial Counties, an area that encompasses more than 38,000 square miles. As the designated MPO, the federal government mandates that SCAG research and draw up plans for transportation, growth management, hazardous waste management, and air quality. Among the many activities SCAG undertakes are the following:

- Maintaining a continuous, comprehensive, and coordinated planning process resulting in a Regional Transportation Plan (RTP) and a Federal Transportation Improvement Program (FTIP);
- Developing a Sustainable Communities Strategy (SCS) to reduce greenhouse gas emissions as required by applicable State law (SB 375) as an element of the RTP.

The RTP is a long-range transportation plan that is developed and updated by SCAG every four years to guide transportation investments throughout the region. The SCS is a required element of the RTP that integrates land use and transportation strategies to achieve California Air Resources Board emissions reduction targets pursuant to Senate Bill (SB) 375.

On September 3, 2020, the SCAG Regional Council adopted the 2020–2045 RTP/SCS (RTC/SCS; also referred to as Connect SoCal) and the addendum to the *Connect SoCal Program Environmental Impact Report*. The 2020–2045 RTP/SCS is a long-range visioning plan that builds upon and expands land use and transportation strategies established over several planning cycles to increase mobility options and achieve a more sustainable growth pattern. It charts a path toward a more mobile, sustainable, and prosperous region by making connections between transportation networks, between planning strategies, and between the people whose collaboration can improve the quality of life for Southern Californians (SCAG 2020).

High-Quality Transit Areas and Transit Priority Areas

High-Quality Transit Areas (HQTAs) are areas within one-half mile of a fixed guideway transit stop or a bus transit corridor where buses pick up passengers at a frequency of every 15 minutes or less during peak commuting hours. Transit Priority Areas (TPAs) are areas within one-half mile of a major transit stop that is existing or planned. The Project site is within both a HQTA and TPA.

City

Pasadena General Plan

The City adopted the current *Pasadena General Plan* in August 2015. In accordance with State law, the General Plan provides the overall framework for translating broad community values and expectations into goals and policies for managing growth and enhancing the quality of life in the City. The Land Use Element of the General Plan includes a series of Guiding Principles, which cumulatively represent the City's vision for the future. Each of the Guiding Principles is addressed in the analysis below. In implementing the Guiding Principles, the Land Use Element establishes a framework for development that promotes higher density, mixed-use, urban environments oriented to transit and pedestrian activity within specific, high-quality areas of the City that reflect the historic scale and character of Pasadena. Targeted areas include distinctly urban locations,

such as the urban core, underutilized properties, transit-oriented development areas, mixed-use areas, and urban villages.

Central District Specific Plan

The Land Use Element of the City's General Plan establishes an overall pattern of development that directs growth "into specific areas in order to protect residential neighborhoods and create mixed-use urban environments." These areas are based on a concept of higher density, mixed-use environments that support transit- and pedestrian-oriented mobility strategies. The Central District is one of eight areas throughout the City requiring preparation of a specific plan to implement this goal.

The CDSP encompasses 960 acres corresponding to the area recognized by Pasadena residents as "downtown". The CDSP's vision statement is:

The Central District will function as the City of Pasadena's vibrant urban core, providing a diversity of economic, residential, and cultural opportunities. Downtown will be a place to work, shop, live, and play, with convenient access by foot, bicycle, and transit, as well as by car. Physical and economic growth will support this role and respect the numerous resources of historical and cultural significance that contribute to Downtown's unique identity (Pasadena 2004).

The CDSP's Policy Framework established planning objectives to support this vision and further defines the role of the Central District in the City. In addition, the CDSP has established specific development standards, codified in Chapter 17.30 of the Pasadena Municipal Code (PMC), for permitted land use types, maximum housing density, maximum floor area ratio (FAR), minimum and maximum building heights, required setbacks, open space, signage, and parking.

Within the CDSP, the site is identified as within the Arroyo Corridor Transition precinct within the Arroyo Corridor/Fair Oaks sub-district, which is an important gateway to downtown that also supports a broad, but rather undefined, mixture of uses at the periphery of the urban core. The objective of the Arroyo Corridor/Fair Oaks sub-district is to establish Arroyo Parkway as a visually appealing entrance corridor. Additionally, the intent of sub-district is to provide an attractive opportunity for employment-generating uses adaptable to changing economic conditions—such as arts, technology, and knowledge-based enterprise—within a revitalized low-scale, mixed-use setting at the periphery of Downtown Pasadena. The emphasis of the Arroyo Corridor Transition precinct is the transitional character of the area towards more pedestrian and transit-oriented development with a mix of land uses including residential, commercial, and employment (Pasadena 2004).

Pasadena Zoning Code

The City's zoning code (Title 17 of the PMC) implements the General Plan's Land Use Element. The intent of the zoning code is to protect public health, safety, and the general welfare of residents and visitors in the City. Together with the zoning map, the zoning code identifies the particular use permitted on each parcel in the City and sets forth regulations and standards for development to ensure that the policies, goals, and objectives of the General Plan are implemented.

In addition to land use regulations, the zoning code provides development standards. The standards regulate things such as height, setbacks, parking, lot coverage, and gross floor area of structures. It also regulates what uses are permitted in each of the City's zoning districts to ensure compatibility between land uses.

Zoning Code Variances

A zoning variance acts as a waiver to some aspect of the zoning law, but it cannot violate the expressed basis of the controlling code. Section 17.61.080 of the PMC, Variances, allows for variances from the development standards of this Zoning Code, variances for historic resources, and modifications for individuals with disabilities. The Project Applicant requests a variance for historic resources, which is addressed in Section 17.61.080(H) et. seq. of the PMC.

According to the PMC, a variance for historic resources is intended to accommodate historic resources that are undergoing development, change in use, or are being relocated. This unique type of variance is designed to provide relief from the strict compliance with the development standards of the zoning code that may impair the ability of a historic resource to be properly used or to be relocated onto a new site. The PMC states that this type of variance shall not allow a use of land or structure not otherwise allowed in the zoning district in which the subject property is located. It only applies if the property has a historic designation or is required, as a condition of approval of the variance, to submit an application for historic designation prior to completion of the proposed project or establishment of the proposed use.

The review authority may approve a variance for historic resources application, with or without conditions, only after first finding that:

- a) The variance for historic resource is necessary to facilitate the appropriate use of an existing historic structure;
- b) The variance for historic resource would not adversely impact property within the neighborhood or historic district; and
- c) Granting the variance for historic resource application would be in conformance with the goals, policies, and objectives of the General Plan and the purpose and intent of any applicable specific plan.

Because the Project would involve concurrent permit processing, rather than the variance as a standalone permit, the variance for historic resources would be considered as part of the Project's entitlements by the highest level review authority. In this case, it would be Planning Commission review followed by consideration by City Council.

Planned Development Zoning District

As discussed in Section 2.0, Environmental Setting and Project Description, implementation of the Project would require approval of a Planned Development (PD) zoning district for the site. According to the City of Pasadena zoning code, the specific purposes of the PD zoning district are to:

- Establish a procedure for the development of large parcels of land in order to reduce or eliminate the rigidity, delays, and inequities that otherwise would result from application of land use regulations and administrative procedures designed primarily for small parcels;
- Ensure orderly and thorough planning and review procedures that will result in quality urban design.
- Encourage variety and avoid monotony in large developments by allowing greater freedom in selecting the means to provide access, light, open space, and amenity;

- Allow certain types of development consistent with the general plan that can be acceptable at a specific location only under standards significantly more restrictive than those of a base district in which the use is permitted;
- Provide a mechanism whereby the city may authorize desirable developments in conformity with the general plan without inviting speculative rezoning applications that if granted, often could deprive subsequent owners of development opportunities that do not necessarily result in construction of the proposed facilities;
- Encourage allocation and improvement of common open space in residential areas, and provide for maintenance of the open space at the expense of those who will directly benefit from it;
- Encourage the preservation of serviceable existing structures of historic value or artistic merit by providing the opportunity to use them imaginatively for purposes other than that for which they were originally intended; and
- Encourage the assembly of properties that might otherwise be developed in unrelated increments to the detriment of surrounding neighborhoods.

Adoption of a PD zoning district would reclassify the Project site from CD-6 to PD-39, while simultaneously establishing applicable land use regulations and development standards that are specific to the newly established zoning district. The regulations and standards that dictate permitted and conditionally permitted land uses and development would be prescribed in the accompanying PD Plan. This ensures the Project or Project with Building A Residential/Commercial is developed as intended. PD Plans are developed in consideration of existing zoning requirements that are applicable to a project site while also providing flexibility in site usage and building design.

The City's process allows a property owner to initiate an amendment to reclassify a property two acres or larger to a PD zoning district. A proposed PD zoning district and the permitted or conditionally permitted land uses are required to be consistent with the City's General Plan. However, development cannot exceed maximums for floor area ratio or density on the Land Use Diagram (but only as high as a 3.0 FAR and 87 du/acre) unless approved by the City Council.

The review process of a new PD Application requires input from the City's Design Commission, Planning Commission, and City Council. The review process for a proposed Planned Development is outlined in Sections 17.26.020(C)(3)(d) (Commission and Council Action), 17.61.030(I)(5)(b) (Design Conditions), and 17.74 (Amendments) of the PMC. The role of the Design Commission is limited to recommendations to the Planning Commission and City Council on aesthetic and urban design issues related to architecture, landscaping, site plan, and related aesthetic issues, as well as historic preservation. Additionally, comments on the aesthetic/cultural resources of a draft environmental study are appropriate. Therefore, review and advisement by the Design Commission regarding the proposed PD zone and PD Plan would occur first at a public meeting.

A subsequent review of a proposed PD zone and PD Plan would occur at a public hearing by the Planning Commission. The Planning Commission's role is to make a written recommendation to the City Council to approve, approve with modifications, or deny the proposed reclassification and PD Plan. The City Council's role is to hold a public hearing to consider the recommendation of the Planning Commission and to hear evidence regarding the proposal. Upon receipt of the Planning Commission's recommendation, the City Council would move to approve, approve with modifications, or deny the proposed PD zoning district and PD Plan. Prior to any approval, the City Council is required to certify the Final EIR. Planned Developments and the accompanying

PD Plan are made a part of the Zoning Code when approved to ensure implementation occurs as approved.

The basic design of a project, including compatibility with surroundings, massing, proportion, siting, solid-to-void relationships, and compliance with applicable design guidelines is evaluated through the City's Design Review process and is a role for the City's Design Commission. This phase of review generally occurs after approval of the PD Application, if received. An approved PD zoning district and accompanying PD Plan cannot be later revised without requiring a formal application from the Applicant, noticed public hearings before the Planning Commission and City Council, and further appropriate environmental review pursuant to CEQA.

3.6.3 THRESHOLDS OF SIGNIFICANCE

The following significance criteria are derived from Appendix G of the State CEQA Guidelines. A project would result in a significant adverse land use and planning impact if it would:

Threshold 3.6a: Cause a significant environmental impact due to a conflict with any land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect.

The Initial Study (provided in Appendix A-1) concluded the following threshold related to land use and planning was determined to result in no impacts and was not carried forward into the Draft EIR for further analysis:

- Would the project physically divide an established community?

3.6.4 METHODOLOGY

The analysis of potential land use impacts considers the Project's consistency with applicable land use plans, policies, and regulations adopted for the purpose of reducing or avoiding an environmental impact. This analysis considers the land use development controls on the site and the compatibility of the proposed uses with surrounding land uses. A project is considered consistent with the provisions of the identified regional and local plans if it meets the general intent of the plans and would not preclude the attainment of the primary intent of the land use plan or policy. A given project need not be in perfect conformity with each and every policy nor does State law require precise conformity of a proposed project with every policy or land use designation for a site.

3.6.5 ENVIRONMENTAL IMPACTS

Threshold 3.6a: Would the Project cause a significant environmental impact due to a conflict with any land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect?

Project

The primary land use planning documents that govern the Project site are the City's General Plan, CDSP, and the City's zoning code. Additionally, the 2020–2045 RTP/SCS is prepared, in part, based on data from cities and counties related to their respective general plans, land uses, and expected demographic growth. While the Project is considered consistent with the General Plan, based on comments received during the scoping period for the Project, a consistency analysis is also provided herein for the Land Use Element's Guiding Principles, General Plan goals and policies that have the purpose of avoiding or mitigating an environmental effect, and applicable objectives of the CDSP.

The paragraphs below evaluate the Project's consistency with these documents.

Pasadena General Plan

The City's General Plan land use designation for the site is High Mixed-Use, which is intended to support multi-story mixed-use buildings with a variety of compatible commercial and residential uses. Development within this designation is characterized by shared open spaces, extensive landscaping, minimal building separations, and shared driveways with parking located underground or to the rear of the street. The High Mixed-Use General Plan land use category allows maximum densities of 3.0 floor area ratio (FAR) and 87 dwelling units per acre (du/acre). Based on the site area (144,853 sf), the site would allow up to 434,559 sf of floor area and up to 289 dwelling units. Development of the Project would result in a total of 417,929¹ sf of floor area (aboveground), which would include up to 95 senior housing units. The Project would not require a General Plan amendment. Also, as discussed in Section 2.14, Population and Housing, of the Initial Study (refer to Appendix A-1), there is adequate remaining development capacity in the Central District to accommodate the Project.

These Guiding Principles are:

- 1) *Growth will be targeted to serve community needs and enhance the quality of life. Higher density development will be directed away from residential neighborhoods and into the Central District, Transit Villages, and Neighborhood Villages. These areas will have a diverse housing stock, job opportunities, exciting districts with commercial and recreational uses, and transit opportunities. New development will build upon Pasadena's tradition of strong sense of place, great neighborhoods, gardens, plazas, parks, and trees.*

The Project would provide senior living facilities and several related amenities that are acutely needed in the City and wider region as the U.S. population is generally living longer and a greater proportion of the population is considered senior or elderly with the large "boomer" segment, in particular, reaching this threshold. The medical office building would be robustly employment-generating and be located near the abundant health care land uses on Fair Oaks Avenue, providing an efficient synergy. These uses would therefore serve community needs and enhance quality of life, not limited to seniors, for residents of Pasadena and beyond.

- 2) *Pasadena's historic resources will be preserved. Citywide, new development will be in harmony with and enhance Pasadena's unique character and sense of place. New construction that could affect the integrity of historic resources will be compatible with, and differentiated from, the existing resource.*

An historic resources variance is being sought by the Applicant to preserve and adaptively reuse two previously recorded historic structures on the site (501 and 523 South Arroyo Parkway). Specifically, the Applicant is requesting an increase in allowable building height to offset the reduction in developable area due to preserving the two historic structures. The City provides incentives to owners of historic properties, including several as part of the zoning code. The zoning code incentives are consistent with the General Plan, which directs the City to implement flexible zoning regulations to promote the preservation of historic properties. This variance is being considered consistent with the General Plan as well as the City's historic preservation program, which promotes the identification, evaluation, rehabilitation, adaptive use, and restoration of historic structures. Within the zoning code, a purpose of a planned development (PD) district is to "encourage the preservation of serviceable existing structures of historic value or artistic merit by providing the opportunity

¹ Of this, a total of 338,376 sf would be new development in Buildings A and B.

to use them imaginatively for purposes other than that for which they were originally intended.” This provision facilitates the adaptive re-use of historic resources and encourages their long-term preservation on large sites designated for new development, as is the case with the Project. Mitigation measure (MM) CUL-1 requires that the Project Applicant engage with a licensed architect and/or engineer that meets the SOI’s Professional Qualifications Standards to develop a series of protection interventions and protocols that would preserve the two historical resources on the Project site – 501 and 523 South Arroyo Parkway – during construction activities. These protocols shall take into consideration the protection of and security of both resources, particularly the preservation of the character-defining features through the installation of physical protective barriers around each resource and the creation of site protocols that will eliminate the potential for physical damage resulting from impacts associated with construction and transport of equipment. Additionally, implementation of MM NOI-1, which outlines setbacks, monitoring, and (if needed) restoration related to the potential for cosmetic damage to these two buildings because of operation of vibration-causing construction equipment would reduce impacts to a less than significant level. Therefore, the proposed variance for historic resources and related PD Plan is consistent with the City’s policies to preserve and protect historic resources.

- 3) *Pasadena will be an economically vital City by providing jobs, services, revenues, and opportunities. A diverse economic base with jobs for Pasadena residents will be fostered; existing businesses will be encouraged to stay or expand; affordable housing will be provided for the labor pool; the continued fiscal health of the city will be ensured.*

The proposed uses in both Buildings A and B would be employment- and revenue-generating. Additionally, the medical office and assisted living uses would provide services to the community. As such, the Project provides opportunities for both potential employees and existing and future residents of the City.

- 4) *Pasadena will be a socially, economically, and environmentally sustainable community. Safe, well designed, accessible and human-scale residential and commercial areas will be provided where people of all ages can live, work and play. These areas will include neighborhood parks, urban open spaces and the equitable distribution of public and private recreational facilities; new public spaces will be acquired. Human services will be coordinated and made accessible to those who need them.*

Providing adequate care and housing for the senior community is a critical component of being a socially sustainable community. The higher density of land uses on the Project site compared to the existing condition is both economically and environmentally sustainable, particularly due to the site’s proximity to bus and light rail transit facilities. The urban public spaces proposed as part of the Project invite gathering on the site in an aesthetically pleasing and safe environment whereas the existing site conditions are disjointed and do not provide open spaces for gathering not associated with a restaurant.

The proposed building facades incorporate numerous window openings to provide views and to avoid blank, massive-looking building faces. The facades would also be articulated with patios, window shades, and varying surface treatments to provide variation and break up the surface of the buildings. Portions of both proposed buildings would be set back from the widest part of the building envelope and some portions of the buildings would extend only to Level 4 and Level 6. Additionally, the ground floor would be slightly taller than the remaining levels, at 15 feet high. This would act to differentiate the ground floor and, combined with some unique architectural features for this level, create a human-scale and pedestrian-friendly environment.

Finally, Section 3.3, Energy, and Section 3.4, GHG Emissions, of this EIR provide analyses of energy use/efficiency and GHG emissions, respectively, with construction and operation of the Project. Section 3.3 concludes that construction and operation of the Project would not result in wasteful, inefficient, or unnecessary construction of energy resources, nor conflict with or obstruct the applicable State or local plans for renewable energy and energy efficiency. As discussed above, Section 3.4 of this EIR concludes that the Project would be consistent with State, regional, and City plans, policies, and regulations adopted for the purpose of reducing the emissions of GHGs. Refer to these sections of this EIR for the complete analysis of these topics.

- 5) *Pasadena will be a City where people can circulate without cars. Specific plans in targeted development areas will emphasize a mix of uses, pedestrian activity, and transit; public and private transit will be made more available; neighborhood villages and transit villages will reduce the need for auto use.*

While this has been sometimes interpreted to mean the City wants circulation with an absence of cars, what this realistically means is that the City can be navigated without cars if desired. This is in contrast to a car-first culture, where primacy of vehicular circulation is typical with alternative transportation modes being limited or inaccessible. Placing the proposed land uses and a higher density of land uses than existing on the site near transit, regardless of the amount of parking provided, supports this principle.

The Project would facilitate senior residents being able to shop for groceries and household items, attend some medical appointments, and dine at on-site buildings that would be accessible even to those with mobility aids. Additionally, there are abundant dining options and other retail/commercial facilities within walking distance of the Project site. Within walking distance, light rail/bus ride, or a short drive/rideshare, there are medical facilities, including Huntington Hospital and emergency rooms; additional restaurants, shopping, and services; and numerous cultural amenities, such as ArtCenter, Pasadena Playhouse, Pasadena Civic Center, museums, theater, and music venues. As such, implementation of the Project would enable the site to become an active part of the neighborhood fabric.

- 6) *Pasadena will be a cultural, scientific, corporate, entertainment, and educational center for the region. Long-term growth opportunities will be provided for existing institutions; a healthy economy will be fostered to attract new cultural, scientific, corporate, entertainment and educational institutions.*

The proposed uses in both Buildings A and B support the City being a corporate center. Medical office uses have the potential to also support scientific research, depending on the tenants that occupy the space. Adding medical office uses on the site also supports the growing medical office cluster immediately to the west in the nearby South Fair Oaks Specific Plan Area along Raymond Avenue and South Fair Oaks Avenue. As discussed above under principle 5, the Project site is within walking distance, light rail/bus ride, or a short drive/rideshare to extensive cultural and educational offerings within the City.

- 7) *Community participation will be a permanent part of achieving a greater City. Citizens will be provided with timely and understandable information on planning issues and projects; citizens will directly participate in shaping plans and policies for Pasadena's future.*

The City's environmental review process for the Project has met, and exceeded, the requirements in CEQA and the State CEQA Guidelines for scoping and noticing. The City held two scoping meetings, including one with Planning Commission. As per City

standards, the hearings for the Project will be public, where citizens may comment on the Project and make their views known further and above than what has already occurred.

- 8) *Pasadena is committed to public education and a diverse educational system responsive to the broad needs of the community.*

The Project would neither support nor conflict with this principle. No public or private educational facilities are included in the Project; however, no educational facilities are currently located on the site. It is noted that ArtCenter College of Design South Campus facilities are located within ½-mile of the Project site on Arroyo Parkway and Raymond Avenue to the south and southwest, respectively. ArtCenter Extension offers non-degree courses for adults, teens, and kids.

The City's General Plan also includes goals and policies that have the purpose of avoiding or mitigating an environmental effect; for the City of Pasadena, these are focused on historic resources, GHG emissions/sustainability, and trees/open space. The discussion below presents some applicable General Plan goals and policies followed by a discussion of how the Project relates to those goals and policies. As shown, the Project would not conflict with the General Plan with regard to goals and policies adopted to avoid or reduce an environmental effect.

Goal 8. Historic Preservation. Preservation and enhancement of Pasadena's cultural and historic buildings, landscapes, streets and districts as valued assets and important representations of its past and a source of community identity, and social, ecological, and economic vitality.

Policy 8.1 Identify and Protect Historic Resources. Identify and protect historic resources that represent significant examples of the City's history.

Policy 8.4 Adaptive Reuse. Encourage sensitive adaptive re-use including continuing the historic use of historic resources to achieve their preservation, sensitive rehabilitation, and continued economic and environmental value.

Policy 8.5 Scale and Character of New Construction in a Designated Landmark and Historic Districts. Promote an architecturally sensitive approach to new construction in Landmark and Historic districts. Demonstrate the proposed project's contextual relationship with land uses and patterns, spatial organization, visual relationships, cultural and historic values, and relationships in height, massing, modulation, and materials.

Section 3.2, Cultural and Paleontological Resources, of this EIR provides an analysis of impacts to historic resources. A Historical Resource Assessment (HRA) was prepared for the Project site (refer to Appendix C-1) that analyzed all existing buildings on the site over 45 years of age to determine whether or not they were eligible historic resources and, for those buildings determined to be historic (501 and 523 South Arroyo Parkway), analyzed whether implementation of the Project would result in a significant impact to those resources. As discussed in Section 3.2, while the Project's tenant improvements do not anticipate demolishing, moving, or making major alterations to these historic resources, these plans remain conceptual and have not yet been finalized. Therefore, there may be a potential for impact, and MM CUL-1 (described above) would be required. Additionally, the HRA assessed whether the Project's scale, massing, and design would result in an indirect impact to these historic resources. The HRA determined there would not be a significant impact related to development of the proposed Buildings A and B in proximity to the historic buildings on the site. Additionally, implementation of MM NOI-1, which outlines setbacks, monitoring, and (if needed) restoration related to the potential for cosmetic damage to these two buildings because of operation of vibration-causing construction equipment would reduce impacts to a less than significant level. With implementation of MM CUL-1 and MM NOI-

1, it was determined there would be a less than significant impact to historic resources. Based on this assessment, it can be concluded that the Project would not conflict with applicable goals and policies related to historic resources and their preservation.

Goal 10. City Sustained and Renewed. Development and infrastructure practices that sustain natural environmental resources for the use of future generations and, at the same time, contribute to the reduction of greenhouse gas emissions and impacts on climate change.

Policy 10.1 Environmental Quality and Conservation. Establish Pasadena as a leader on environmental stewardship efforts, including air quality protection, energy and water efficiency, renewable energy standards, natural resource conservation, and greenhouse gas emission standards in the areas of energy, water, air and land.

Policy 10.4 Sustainable Building Practices. Foster sustainable building practices and processes specified by the City's Green Building Code by incorporating energy and water savings, toxic and solid waste reduction strategies into the building of new structures and remodeling of existing structures.

Policy 10.6 Adaptive Reuse. Encourage adaptive reuse of structures, including non-historic structures, as a means of supporting environmental sustainability.

Section 3.4, GHG Emissions, provides an analysis of GHG emissions including the consistency of the Project with applicable plans, policies, or regulations adopted for the purpose of reducing the emissions of GHGs. As concluded in Section 3.4 of this EIR, the Project would be consistent with the City's Climate Action Plan (CAP), SCAG's 2020–2045 RTP/SCS *Connect SoCal*, the California Air Resources Board (CARB), California's Climate Change Scoping Plan (Scoping Plan), and Statewide GHG reduction goals for 2030 or 2050 identified in Executive Order (EO) S-3-05 and Senate Bill (SB) 32. Also, as discussed above, Section 3.3, Energy, of this EIR concludes that construction and operation of the Project would not result in wasteful, inefficient, or unnecessary construction of energy resources, nor conflict with or obstruct the applicable State or local plans for renewable energy and energy efficiency. Based on these analyses, it can be concluded that the Project would not conflict with applicable goals and policies related to GHG emissions and sustainability as it relates to energy efficiency.

Policy 10.13 Urban Forest. Maintain and plant additional trees along the City's sidewalks, civic places, parks, and in private developments to support the health and diversity of wildlife, sequester GHG emissions, and contribute to the reduction of the urban heat-island.

The analysis of the proposed tree removals pursuant to the City's "City Trees and Tree Protection Ordinance" (codified in Chapter 8.52 of the PMC) was included in Section 2.4, Biological Resources, of the Initial Study (refer to Appendix A-1) prepared for the Project. As discussed, the Urban Forestry section of the City's Public Works Department typically requires a fee, dependent on the size of the tree(s) being removed, to be remitted into the City's street tree fund. For the Project, a planned condition of approval calls for planting of one new street tree along both Arroyo Parkway and California Boulevard. The Project would also include a total of 25 trees in above-grade planters within the site. With compliance with the Project's conditions of approval, the Project would not conflict with the City's tree protection ordinance and there would be a less than significant impact. Project implementation would result in a net gain in the urban forest, with no loss of street trees and a greater amount of landscaping at ground level and on upper levels of Building B than in the existing condition. Based on this analysis, it can be concluded that the Project would not conflict with applicable goals and policies related to the urban forest.

Based on the Project's consistency with the land use designation for the site, furtherance of applicable Guiding Principles of the Land Use Element, and applicable General Plan policies that

focus on avoiding or reducing an environmental impact, the Project would be considered consistent with the General Plan.

CDSP and Zoning Code

The Project site is zoned CD-6 (Central District, Arroyo Corridor/Fair Oaks subdistrict). The City considers the Central District to be Pasadena's urban core, and the CDSP includes a "diverse mix of land uses designed to create the primary business, financial, retailing, and government center of the City" (Pasadena 2004). The CDSP includes both Public Realm and Private Realm Design Guidelines, which apply to all development in this district, including the Project. The CDSP also provides District-wide land use, mobility, and urban design concepts. The CDSP identifies sub-districts, and within the sub-districts, precincts that include more specific goals, policies, and standards targeted toward the vision for each neighborhood.

The site is in the Arroyo Corridor Transition precinct within the Arroyo Corridor/Fair Oaks sub-district, which is an important gateway to Downtown Pasadena that also supports a broad, but rather undefined, mixture of uses at the periphery of the urban core. The objective of the Arroyo Corridor/Fair Oaks sub-district is to establish Arroyo Parkway as a visually appealing entrance corridor, as well as to provide an attractive opportunity for employment-generating uses adaptable to changing economic conditions, such as arts, technology, and knowledge-based enterprise, within a revitalized low-scale, mixed-use setting at the periphery of Downtown Pasadena. The emphasis of the Arroyo Corridor Transition precinct is the transitional character of the area towards more pedestrian and transit-oriented development with a mix of land uses including residential, commercial, and employment (Pasadena 2004). The Project would include this mix of land uses—senior residents, commercial, and employment—in one location thereby supporting the transition from single-use parcels and disjointed, disparate land uses to a cohesive mix of uses that are near transit and support pedestrian accessibility within and through the site.

The Project would establish a PD zoning district (via a zone change from CD-6 to PD-39) for the site and requires adoption of a PD Plan. Adoption of a PD zoning district simultaneously establishes applicable land use regulations and development standards that are specific to the newly established zoning district. The regulations and standards that dictate allowed and conditionally allowed land uses and development would be prescribed in the accompanying PD Plan.

Within the Arroyo Corridor/Fair Oaks sub-district, building height is limited to 50 feet, or 65 feet using height averaging. As discussed previously, the Applicant is requesting a variance for historic resources (described above in Section 3.6.2) to increase the allowable building height to offset the reduction in developable area due to preserving the two historic structures. The maximum height of all proposed structures would be one of the land use regulations prescribed in the PD Plan prepared by the City.

The review process of a new PD Application requires input from the City's Design Commission, Planning Commission, and City Council. The City's PD process is detailed above in Section 3.6.2. As discussed, the PD Plan, implemented via the zone change, would define all aspects of Project design and cannot be deviated from with further discretionary action, and related environmental review. With approval of the PD application and PD Plan (including approval of the Affinity Project, zoning map amendment to rezone the property from CD-6 to PD-39, variance for historic resources for building height, and Design Review), the proposed Project would be compatible with the City's zoning designations and Zoning Code.

Section 3, Policy Framework of the CDSP includes planning objectives applicable to new development in the Specific Plan area. The CDSP has a total of 33 objectives associated with the 7 General Plan Guiding Principles. The CDSP objectives that correspond with each Guiding

Principles are summarized below, followed by discussion, with focus on the purpose of avoiding or mitigating an environmental effect, where relevant.

- 1) *Summary of CDSP Guiding Principle 1 and Associated Objectives: Promoting growth appropriately and enhancing the Downtown through the development of multi-story buildings with a variety of complementary commercial and/or residential uses in underutilized areas with higher development capacity.*

The Project would redevelop an underutilized site with transit and pedestrian accessibility multi-story buildings that provide complementary commercial, assisted living, and medical office uses. The Project integrates two existing historic structures with the ground floor layout designed to provide spacing and setbacks to blend the scales of the existing and proposed structures.

- 2) *Summary of Guiding Principle 2 and Associated CDSP Objectives: Preservation of the City's historic character and environment which would be accomplished through preservation and integration of Pasadena's historic resources as part of a complementary development that reduces the risk of resource demolition, deterioration by neglect, and/or impacts from natural circumstances.*

As discussed previously, an historic resources variance is being sought by the Applicant to preserve and adaptively reuse two previously recorded historic structures on the site (501 and 523 South Arroyo Parkway). Specifically, the Applicant is requesting an increase in allowable building height to offset the reduction in developable area due to preserving the two historic structures. This variance is being considered consistent with the General Plan as well as the City's historic preservation program, which promotes the identification, evaluation, rehabilitation, adaptive use, and restoration of historic structures. Within the zoning code, a purpose of a PD district is to "encourage the preservation of serviceable existing structures of historic value or artistic merit by providing the opportunity to use them imaginatively for purposes other than that for which they were originally intended." This provision facilitates the adaptive re-use of historic resources and encourages their long-term preservation on large sites designated for new development, as is the case with the Project.

An HRA was prepared for the Project site (refer to Appendix C-1) that analyzed whether implementation of the Project would result in a significant impact to historic resources. As discussed in Section 3.2 of this Draft EIR, while the Project's tenant improvements do not anticipate demolishing, moving, or making major alterations to these historic resources, these plans remain conceptual and have not yet been finalized. Therefore, there may be a potential for impact, and MM CUL-1 (described above) would be required. Additionally, the HRA assessed whether the Project's scale, massing, and design would result in an indirect impact to these historic resources. The HRA determined there would not be a significant impact related to development of the proposed Buildings A and B in proximity to the historic buildings on the site. Additionally, implementation of MM NOI-1, which outlines setbacks, monitoring, and (if needed) restoration related to the potential for cosmetic damage to these two buildings because of operation of vibration-causing construction equipment would reduce impacts to a less than significant level. With implementation of MM CUL-1 and MM NOI-1, it was determined there would be a less than significant impact to historic resources. Based on this assessment, it can be concluded that the Project would not conflict with applicable objectives related to historic resources and their preservation.

- 3) *Summary of CDSP Guiding Principle 3 and Associated Objectives: Supporting economic growth and sustainability by providing jobs, services, revenues, and opportunities for the City's economic vitality and fiscal health.*

As discussed previously, the proposed uses in both Buildings A and B would be employment- and revenue-generating. Additionally, the medical office and assisted living uses would provide services to the community. As such, the Project provides opportunities for both potential employees and existing and future residents of the City.

- 4) *Summary of CDSP Guiding Principle 4 and Associated Objectives: Creating a thriving community that meets basic needs and provides opportunities for wellness and quality of life through improving Pasadena's infrastructure and urban form through modernized buildings that are energy- and water-efficient, and the development of the area's urban forest.*

Providing adequate care and housing for the senior community is a critical component of a City that is meeting the basic needs for all segments of its population. The Project would facilitate senior residents being able to shop for groceries and household items, attend some medical appointments, and dine at on-site buildings that would be accessible even to those with mobility aids. There are abundant dining options and other retail/commercial facilities within walking distance of the Project site. Within walking distance, light rail/bus ride, or a short drive/rideshare, there are medical facilities, including Huntington Hospital and emergency rooms; additional restaurants, shopping, and services; and numerous cultural amenities, such as ArtCenter, Pasadena Playhouse, Pasadena Civic Center, museums, theater, and music venues. As such, implementation of the Project would enable the site to become an active part of the neighborhood fabric.

As discussed, for the Project, a planned condition of approval calls for planting of one new street tree along both Arroyo Parkway and California Boulevard. The Project would also include 25 trees in above-grade planters within the site. With compliance with the conditions of approval, the Project would not conflict with the City's tree protection ordinance and there would be a less than significant impact. Implementation of the Project would result in a net gain in the urban forest, with no loss of street trees and a greater amount of landscaping at ground level and on upper levels of Building B than in the existing condition. Based on this analysis, it can be concluded that the Project would not conflict with applicable objectives related to the urban forest.

- 5) *Summary of CDSP Guiding Principle 5 and Associated Objectives: Providing a community that supports efficient transportation and multi-modal options through development of land uses that are pedestrian friendly and transit-accessible*

As discussed previously, the higher density of land uses on the Project site compared to the existing condition is both economically and environmentally sustainable, particularly due to the site's proximity to bus and light rail transit facilities.

- 6) *Summary of CDSP Guiding Principle 6 and Associated Objectives: Supporting institutional growth through development of commercial uses and quality medical and assisted living uses.*

The Project would support institutional growth by providing high-quality redevelopment of the site with complementary commercial, assisted living, and medical office uses. Adding medical office uses on the site also supports the growing medical office cluster immediately to the west in the nearby South Fair Oaks Specific Plan Area along Raymond Avenue and South Fair Oaks Avenue.

- 7) *Summary of CDSP Guiding Principle 7 and Associated Objectives: Enhancing a local community identity through supporting the continued modernization and development of the Arroyo Parkway as a major commercial corridor.*

As discussed previously, the higher density of land uses on the Project site compared to the existing condition is both economically and environmentally sustainable, particularly due to the site's proximity to bus and light rail transit facilities and underutilized condition. The urban public spaces proposed as part of the Project invite gathering on the site in an aesthetically pleasing and safe environment whereas the existing site conditions are disjointed and do not provide open spaces for gathering not associated with a restaurant.

The proposed building facades incorporate numerous window openings to provide views and to avoid blank, massive-looking building faces. The facades would also be articulated with patios, window shades, and varying surface treatments to provide variation and break up the surface of the buildings. Portions of both proposed buildings would be set back from the widest part of the building envelope and some portions of the buildings would extend only to Level 4 and Level 6. Additionally, the ground floor would be slightly taller than the remaining levels, at 15 feet high. This would act to differentiate the ground floor and, combined with some unique architectural features for this level, create a human-scale and pedestrian-friendly environment. Therefore, the Project would support Arroyo Parkway continuing to modernize and be a major commercial corridor in the City.

SCAG 2020–2045 RTP/SCS

As discussed above, the Project would not require a General Plan amendment and would be consistent with the Land Use Element's Guiding Principles and applicable goals and policies that pertain to environmental effects. Additionally, as the Project is an urban infill development located within both a High-Quality Transit Area (HQTA) and a Transit Priority Area (TPA), the proposed land uses would be consistent with the applicable goals of the 2020–2045 RTP/SCS. The Project would increase density, including senior housing, in an area within ½-mile of two light rail stations (Fillmore and Del Mar). As discussed above, the Project would enable senior residents to shop for groceries and household items, attend some medical appointments, and dine at on-site buildings that would be accessible even to those with mobility aids. Additionally, there are abundant dining options and other retail/commercial facilities within walking distance of the Project site. With a light rail and or short drive/rideshare, abundant dining, entertainment, and services in the City are accessible from the site. The Project would also provide bicycle parking and bicycle serving amenities, and electric car charging would be provided in the subterranean parking garage. Furthermore, the Project would include this mix of land uses—senior residents, commercial, and employment—in one location thereby supporting the transition from single-use parcels and disjointed, disparate land uses to a cohesive mix of uses that are near transit and support pedestrian accessibility within and through the site. As such, the Project would promote and maximize regional mobility, livability, prosperity, and sustainability compared to the existing uses on the site and contribute to a healthier community and region as a whole.

As discussed in Section 3.2, Air Quality, the Project would not result in a conflict with or obstruct implementation of the applicable air quality plan—South Coast Air Quality Management District's (SCAQMD) 2016 Air Quality Management Plan (AQMP)—nor result in a cumulatively considerable net increase of any criteria pollutant for which the Project region is in non-attainment under an applicable federal or State ambient air quality standards (AAQS). Accordingly, the Project is consistent with SCAG's 2020–2045 RTP/SCS as it regards land use and transportation patterns that, in turn, help CARB achieve its air quality attainment goals as defined in the applicable State Implementation Plan (SIPs). As discussed above, Section 3.4, GHG Emissions, determined the Project would be consistent with the City's CAP, SCAG's 2020–2045 RTP/SCS, CARB, California's Scoping Plan, and Statewide GHG reduction goals for 2030 or 2050. As discussed in Section 3.9, Transportation, using the City's Transportation Demand Model, the Pasadena Department of Transportation (DOT) determined that the Project would not exceed any of the California Environmental Quality Act (CEQA) transportation thresholds defined in the City's

Transportation Impact Analysis Guidelines (TIA Guidelines), including vehicle trips (VT) per capita and vehicle miles traveled (VMT) per capita. SCAG's 2020–2045 RTP/SCS has a focus on transit-oriented development as a means to reduce VMT to improve air quality, reduce GHG emissions, and improve mobility.

The Project would result in a less than significant impact on any land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect, and no mitigation is required.

Project with Building A Residential/Commercial

The analysis of consistency with land use plans, policies, or regulations adopted to avoid or mitigate an environmental impact for the Project with Building A Residential/Commercial would be essentially the same as that of the Project, with some differences focused on the provision of multi-family housing instead of medical office space. The scale, massing, and site layout for the Project with Building A Residential/Commercial would be the same as the Project.

Pasadena General Plan

As discussed for the Project, the High Mixed-Use General Plan land use category allows maximum densities of 3.0 FAR and 87 du/acre and the site would allow up to 434,559 sf of floor area and up to 289 dwelling units. Development of the Project with Building A Residential/Commercial would also result in a total of 417,929 sf of floor area (aboveground) but would include 289 dwelling units balanced between market rate apartments/condominiums in Building A and independent senior living units in Building B. The Project with Building A Residential/Commercial would not require a General Plan amendment.

As included above for the Project, a consistency analysis of the Project with Building A Residential/Commercial with the Land Use Element's Guiding Principles is also provided herein:

These Guiding Principles are:

- 1) *Growth will be targeted to serve community needs and enhance the quality of life. Higher density development will be directed away from residential neighborhoods and into the Central District, Transit Villages, and Neighborhood Villages. These areas will have a diverse housing stock, job opportunities, exciting districts with commercial and recreational uses, and transit opportunities. New development will build upon Pasadena's tradition of strong sense of place, great neighborhoods, gardens, plazas, parks, and trees.*

The Project with Building A Residential/Commercial would provide senior living facilities and several related amenities that are acutely needed in the City and wider region as the U.S. population is generally living longer and a greater proportion of the population is considered senior or elderly with the large "boomer" segment, in particular, reaching this threshold. The ground floor commercial uses in Building A would also be employment-generating, and the housing provided under this scenario is also acutely needed in the region. These uses would therefore serve community needs and enhance quality of life, not limited to seniors, for residents of Pasadena and beyond.

- 2) *Pasadena's historic resources will be preserved. Citywide, new development will be in harmony with and enhance Pasadena's unique character and sense of place. New construction that could affect the integrity of historic resources will be compatible with, and differentiated from, the existing resource.*

An historic resources variance is being sought by the Applicant to preserve and adaptively reuse two previously recorded historic structures on the site (501 and 523 South Arroyo Parkway). Specifically, the Applicant is requesting an increase in allowable building height to offset the reduction in developable area due to preserving the two historic structures. The City provides incentives to owners of historic properties, including several as part of the zoning code consistent with the General Plan, which directs the City to implement flexible zoning regulations to promote the preservation of historic properties. This variance is being considered consistent with the General Plan as well as the City's historic preservation program, which promotes the identification, evaluation, rehabilitation, adaptive use, and restoration of historic structures. Within the zoning code, a purpose of a PD district is to "encourage the preservation of serviceable existing structures of historic value or artistic merit by providing the opportunity to use them imaginatively for purposes other than that for which they were originally intended." This provision facilitates the adaptive re-use of historic resources and encourages their long-term preservation on large sites designated for new development, as is the case with the Project. Additionally, MM CUL-1 requires that the Project Applicant engage with a licensed architect and/or engineer that meets the SOI's Professional Qualifications Standards to develop a series of protection interventions and protocols that would preserve the two historical resources on the Project site – 501 and 523 South Arroyo Parkway – during construction activities. These protocols shall take into consideration the protection of and security of both resources, particularly the preservation of the character-defining features through the installation of physical protective barriers around each resource and the creation of site protocols that will eliminate the potential for physical damage resulting from impacts associated with construction and transport of equipment. Additionally, implementation of MM NOI-1, which outlines setbacks, monitoring, and (if needed) restoration related to the potential for cosmetic damage to these two buildings because of operation of vibration-causing construction equipment would reduce impacts to a less than significant level. Therefore, with implementation of required mitigation, the proposed variance for historic resources and related PD Plan is consistent with the City's policies to preserve and protect historic resources.

- 3) *Pasadena will be an economically vital City by providing jobs, services, revenues, and opportunities. A diverse economic base with jobs for Pasadena residents will be fostered; existing businesses will be encouraged to stay or expand; affordable housing will be provided for the labor pool; the continued fiscal health of the city will be ensured.*

The proposed ground floor commercial uses in Building A and all uses in Building B would be employment- and revenue-generating. Also, the assisted living uses in Building B would provide services to the community. Additionally, the market-rate housing proposed in Building A in this scenario would contribute to the local economic base as their patronage may encourage existing businesses to stay and/or expand. As such, the Project with Building A Residential/Commercial provides opportunities for both potential employees and existing and future residents of the City.

- 4) *Pasadena will be a socially, economically, and environmentally sustainable community. Safe, well designed, accessible and human-scale residential and commercial areas will be provided where people of all ages can live, work and play. These areas will include neighborhood parks, urban open spaces and the equitable distribution of public and private recreational facilities; new public spaces will be acquired. Human services will be coordinated and made accessible to those who need them.*

Providing adequate care and housing for the senior community as well as market-rate housing is a critical component of being a socially sustainable community. The higher density of land uses on the Project site is both economically and environmentally

sustainable, particularly due to the site's proximity to bus and light rail transit facilities. The urban public spaces proposed as part of the Project with Building A Residential/Commercial invite gathering on the site in an aesthetically pleasing and safe environment whereas the existing site conditions are disjointed and do not provide open spaces for gathering not associated with a restaurant.

The proposed building facades incorporate numerous window openings to provide views and to avoid blank, massive-looking building faces. The facades would also be articulated with patios, window shades, and varying surface treatments to provide variation and break up the surface of the buildings. Portions of both proposed buildings would be set back from the widest part of the building envelope and some portions of the buildings would extend only to Level 4 and Level 6. Additionally, the ground floor would be slightly taller than the remaining levels, at 15 feet high. This would act to differentiate the ground floor and, combined with some unique architectural features for this level, create a human-scale and pedestrian-friendly environment.

- 5) *Pasadena will be a City where people can circulate without cars. Specific plans in targeted development areas will emphasize a mix of uses, pedestrian activity, and transit; public and private transit will be made more available; neighborhood villages and transit villages will reduce the need for auto use.*

While this has been sometimes interpreted to mean the City wants circulation with an absence of cars, what this realistically means is that the City can be navigated without cars if desired. This is in contrast to a car-first culture, where primacy of vehicular circulation is typical with alternative transportation modes being limited or inaccessible. Placing the proposed land uses and a higher density of land uses than existing on the site near transit, regardless of the amount of parking provided, supports this principle.

The Project with Building A Residential/Commercial would facilitate residents being able to shop for groceries and household items and dine at on-site buildings that would be accessible even to those with mobility aids. There are abundant dining options and other retail/commercial facilities within walking distance of the Project site. Within walking distance, a light rail/bus ride, or a short drive/rideshare, there are medical facilities, including Huntington Hospital and emergency room; additional restaurants, shopping, and services; and numerous cultural amenities, such as ArtCenter, Pasadena Playhouse, Pasadena Civic Center, museums, theater, and music venues. As such, implementation of the Project with Building A Residential/Commercial would enable the site to become an active part of the neighborhood fabric.

- 6) *Pasadena will be a cultural, scientific, corporate, entertainment, and educational center for the region. Long-term growth opportunities will be provided for existing institutions; a healthy economy will be fostered to attract new cultural, scientific, corporate, entertainment and educational institutions.*

All proposed uses in Building A and assisted living uses, and related amenities in Building B support the City being a corporate center. As discussed above under principle 5, the Project site is within walking distance, a light rail/bus ride, or a short drive/rideshare to extensive cultural and educational offerings within the City.

- 7) *Community participation will be a permanent part of achieving a greater City. Citizens will be provided with timely and understandable information on planning issues and projects; citizens will directly participate in shaping plans and policies for Pasadena's future.*

The City's environmental review process for the Project with Building A Residential/Commercial has met, and exceeded, the requirements in CEQA and the State CEQA Guidelines for scoping and noticing. The City held two scoping meetings, including one with Planning Commission. As per City standards, the hearings for the Project with Building A Residential/Commercial will be public, where citizens may comment on the project and make their views known further and above than what has already occurred.

- 8) *Pasadena is committed to public education and a diverse educational system responsive to the broad needs of the community.*

The Project with Building A Residential/Commercial would neither support nor conflict with this principle. No public or private educational facilities are included in the Project with Building A Residential/Commercial; however, no educational facilities are currently located on the site. As noted above, the ArtCenter College of Design South Campus facilities are located within ½-mile of the Project site on Arroyo Parkway and Raymond Avenue to the south and southwest, respectively. ArtCenter Extension (ACX) offers non-degree courses for adults, teens, and kids.

As discussed above, the City's General Plan also includes goals and policies that have the purpose of avoiding or mitigating an environmental effect; for the City of Pasadena, these are focused on historic resources, GHG emissions/sustainability, and trees/open space. The discussion below presents some applicable General Plan goals and policies followed by a discussion of how the Project with Building A Residential/Commercial relates to those goals and policies. As shown, the Project with Building A Residential/Commercial would not conflict with the General Plan with regard to goals and policies adopted to avoid or reduce an environmental effect.

Goal 8. Historic Preservation. Preservation and enhancement of Pasadena's cultural and historic buildings, landscapes, streets and districts as valued assets and important representations of its past and a source of community identity, and social, ecological, and economic vitality.

Policy 8.1 Identify and Protect Historic Resources. Identify and protect historic resources that represent significant examples of the City's history.

Policy 8.4 Adaptive Reuse. Encourage sensitive adaptive re-use including continuing the historic use of historic resources to achieve their preservation, sensitive rehabilitation, and continued economic and environmental value.

Policy 8.5 Scale and Character of New Construction in a Designated Landmark and Historic Districts. Promote an architecturally sensitive approach to new construction in Landmark and Historic districts. Demonstrate the proposed project's contextual relationship with land uses and patterns, spatial organization, visual relationships, cultural and historic values, and relationships in height, massing, modulation, and materials.

Section 3.2, Cultural and Paleontological Resources, of this EIR provides an analysis of impacts to historic resources, including an HRA (refer to Appendix C-1) that analyzed whether implementation of the Project with Building A Residential/Commercial would result in a significant impact to those resources. As discussed in Section 3.2, while the tenant improvements do not anticipate demolishing, moving, or making major alterations to these historic resources, these plans remain conceptual and have not yet been finalized. Therefore, there may be a potential for impact, and MM CUL-1 (described above) would be required. Additionally, the HRA assessed whether the scale, massing, and design of the Project with Building A Residential/Commercial would result in an indirect impact to these historic resources. The HRA determined there would not be a significant impact related to development of the proposed Buildings A and B in proximity

to the historic buildings on the site. Additionally, implementation of MM NOI-1, which outlines setbacks, monitoring, and (if needed) restoration related to the potential for cosmetic damage to these two buildings because of operation of vibration-causing construction equipment to a less than significant level. With implementation of MM CUL-1 and MM NOI-1, it was determined there would be a less than significant impact to historic resources. Based on this assessment, it can be concluded that the Project with Building A Residential/Commercial would not conflict with applicable goals and policies related to historic resources and their preservation.

GOAL 10. City Sustained and Renewed. Development and infrastructure practices that sustain natural environmental resources for the use of future generations and, at the same time, contribute to the reduction of greenhouse gas emissions and impacts on climate change.

Policy 10.1 Environmental Quality and Conservation. Establish Pasadena as a leader on environmental stewardship efforts, including air quality protection, energy and water efficiency, renewable energy standards, natural resource conservation, and greenhouse gas emission standards in the areas of energy, water, air and land.

Policy 10.4 Sustainable Building Practices. Foster sustainable building practices and processes specified by the City's Green Building Code by incorporating energy and water savings, toxic and solid waste reduction strategies into the building of new structures and remodeling of existing structures.

Policy 10.6 Adaptive Reuse. Encourage adaptive reuse of structures, including non-historic structures, as a means of supporting environmental sustainability.

Section 3.4, GHG Emissions, provides an analysis of GHG emissions including the consistency of the Project with Building A Residential/Commercial with applicable plans, policies, or regulations adopted for the purpose of reducing the emissions of GHGs. As concluded in Section 3.4 of this EIR, the Project would be consistent with the City's Climate Action Plan (CAP), SCAG's 2020–2045 RTP/SCS *Connect SoCal*, the California Air Resources Board (CARB), California's Climate Change Scoping Plan (Scoping Plan), and Statewide GHG reduction goals for 2030 or 2050 identified in Executive Order (EO) S-3-05 and Senate Bill (SB) 32. Also, as discussed above, Section 3.3, Energy, of this EIR concludes that construction and operation of the Project with Building A Residential/Commercial would not result in wasteful, inefficient, or unnecessary construction of energy resources, nor conflict with or obstruct the applicable State or local plans for renewable energy and energy efficiency. Based on these analyses, it can be concluded that the Project with Building A Residential/Commercial would not conflict with applicable goals and policies related to GHG emissions and sustainability as it relates to energy efficiency.

Policy 10.13 Urban Forest. Maintain and plant additional trees along the City's sidewalks, civic places, parks, and in private developments to support the health and diversity of wildlife, sequester GHG emissions, and contribute to the reduction of the urban heat-island.

The analysis of the proposed tree removals pursuant to the City's "City Trees and Tree Protection Ordinance" (codified in Chapter 8.52 of the PMC) was included in Section 2.4, Biological Resources, of the Initial Study (refer to Appendix A-1) prepared for the Project with Building A Residential/Commercial. As discussed, the Urban Forestry section of the City's Public Works Department typically requires a fee, dependent on the size of the tree(s) being removed, to be remitted into the City's street tree fund. For the Project with Building A Residential/Commercial, a planned condition of approval calls for planting of one new street tree along both Arroyo Parkway and California Boulevard. The Project with Building A Residential/Commercial would also include a total of 25 trees in above-grade planters within the site. With compliance with the conditions of approval, the Project with Building A Residential/Commercial would not conflict with the City's tree protection ordinance and there would be a less than significant impact. Implementation of the

Project with Building A Residential/Commercial would result in a net gain in the urban forest, with no loss of street trees and a greater amount of landscaping at ground level and on upper levels of Building B than in the existing condition. Based on this analysis, it can be concluded that the Project with Building A Residential/Commercial would not conflict with applicable goals and policies related to the urban forest.

Based on the Project with Building A Residential/Commercial's consistency with the land use designation for the site, furtherance of applicable Guiding Principles of the Land Use Element, and applicable General Plan policies that focus on avoiding or reducing an environmental impact, the Project with Building A Residential/Commercial would be considered consistent with the General Plan.

CDSP and Zoning Code

As with the Project, the Project with Building A Residential/Commercial would establish a PD zoning district (via a Zone Change from CD-6 to PD-39) for the site and requires adoption of a PD Plan. The regulations and standards that dictate allowed and conditionally allowed land uses and development would be prescribed in the accompanying PD Plan. As discussed previously, the Applicant is requesting a variance for historic resources (described above in Section 3.6.2) to increase the allowable building height to offset the reduction in developable area due to preserving the two historic structures. The maximum height of all proposed structures would be one of the land use regulations prescribed in the PD Plan prepared by the City. With approval of the zone change from CD-6 to PD-39 and approval of the Project with Building A Residential/Commercial, including Design review, the proposed Project with Building A Residential/Commercial would be compatible with the City's zoning designations.

The City considers the Central District to be Pasadena's urban core, and the CDSP includes a "diverse mix of land uses designed to create the primary business, financial, retailing, and government center of the City" (Pasadena 2004). The CDSP includes both Public Realm and Private Realm Design Guidelines, which apply to all development in this district, including the Project with Building A Residential/Commercial. The CDSP also provides District-wide land use, mobility, and urban design concepts. The CDSP identifies sub-districts, and within the sub-districts, precincts that include more specific goals, policies, and standards targeted toward the vision for each neighborhood.

As discussed previously, the site is in the Arroyo Corridor Transition precinct within the Arroyo Corridor/Fair Oaks sub-district, which is an important gateway to Downtown Pasadena that also supports a broad, but rather undefined, mixture of uses at the periphery of the urban core. The objective of the Arroyo Corridor/Fair Oaks sub-district is to establish Arroyo Parkway as a visually appealing entrance corridor, as well as to provide an attractive opportunity for employment-generating uses adaptable to changing economic conditions, such as arts, technology, and knowledge-based enterprise, within a revitalized low-scale, mixed-use setting at the periphery of Downtown Pasadena. The emphasis of the Arroyo Corridor Transition precinct is the transitional character of the area towards more pedestrian and transit-oriented development with a mix of land uses including residential, commercial, and employment (Pasadena 2004). The Project with Building A Residential/Commercial would include this mix of land uses—senior residents, residents, commercial, and employment—in one location thereby supporting the transition from single-use parcels and disjointed, disparate land uses to a cohesive mix of uses that are near transit and support pedestrian accessibility within and through the site.

Section 3, Policy Framework of the CDSP includes planning objectives applicable to new development in the Specific Plan area. The CDSP has a total of 33 objectives associated with the 7 General Plan Guiding Principles. The CDSP objectives that correspond with each Guiding

Principles are summarized below, followed by discussion, with focus on the purpose of avoiding or mitigating an environmental effect, where relevant.

- 1) *Summary of CDSP Guiding Principle 1 and Associated Objectives: Promoting growth appropriately and enhancing the Downtown through the development of multi-story buildings with a variety of complementary commercial and/or residential uses in underutilized areas with higher development capacity.*

The Project with Building A Residential/Commercial would redevelop an underutilized and deteriorating site with transit and pedestrian accessibility multi-story buildings that provide complementary commercial, assisted living, and residential uses. The Project with Building A Residential/Commercial integrates two existing historic structures with the ground floor layout designed to provide spacing and setbacks to blend the scales of the existing and proposed structures.

- 2) *Summary of Guiding Principle 2 and Associated CDSP Objectives: Preservation of the City's historic character and environment which would be accomplished through preservation and integration of Pasadena's historic resources as part of a complementary development that reduces the risk of resource demolition, deterioration by neglect, and/or impacts from natural circumstances.*

As discussed previously, an historic resources variance is being sought by the Applicant to preserve and adaptively reuse two previously recorded historic structures on the site (501 and 523 South Arroyo Parkway). This provision facilitates the adaptive re-use of historic resources and encourages their long-term preservation on large sites designated for new development, as is the case with the Project with Building A Residential/Commercial. An HRA was prepared for the site (refer to Appendix C-1) that analyzed whether implementation of the Project with Building A Residential/Commercial would result in a significant impact to historic resources. As discussed in Section 3.2 of this Draft EIR, while the tenant improvements do not anticipate demolishing, moving, or making major alterations to these historic resources, these plans remain conceptual and have not yet been finalized. Therefore, there may be a potential for impact, and MM CUL-1 (described above) would be required. Additionally, the HRA assessed whether the Project with Building A Residential/Commercial's scale, massing, and design would result in an indirect impact to these historic resources. The HRA determined there would not be a significant impact related to development of the proposed Buildings A and B in proximity to the historic buildings on the site. Additionally, implementation of MM NOI-1, which outlines setbacks, monitoring, and (if needed) restoration related to the potential for cosmetic damage to these two buildings because of operation of vibration-causing construction equipment would reduce impacts to a less than significant level. With implementation of MM CUL-1 and MM NOI-1, it was determined there would be a less than significant impact to historic resources. Based on this assessment, it can be concluded that the Project with Building A Residential/Commercial would not conflict with applicable goals and policies related to historic resources and their preservation.

- 3) *Summary of CDSP Guiding Principle 3 and Associated Objectives: Supporting economic growth and sustainability by providing jobs, services, revenues, and opportunities for the City's economic vitality and fiscal health.*

The proposed uses in Building B the ground-floor commercial in Building A would be employment- and revenue-generating under this scenario. Additionally, the assisted living uses would provide services to the community. As such, the Project with Building A Residential/Commercial provides opportunities for both potential employees and existing and future residents of the City.

- 4) *Summary of CDSP Guiding Principle 4 and Associated Objectives: Creating a thriving community that meets basic needs and provides opportunities for wellness and quality of life through improving Pasadena's infrastructure and urban form through modernized buildings that are energy- and water-efficient, and the development of the area's urban forest.*

Providing adequate care and housing for the senior community is a critical component of a City that is meeting the basic needs for all segments of its population. The Project with Building A Residential/Commercial would facilitate residents, including senior residents, being able to shop for groceries and household items, and dine at on-site buildings that would be accessible even to those with mobility aids. There are abundant dining options and other retail/commercial facilities within walking distance of the site. Within walking distance, light rail/bus ride, or a short drive/rideshare, there are medical facilities, including Huntington Hospital and emergency rooms; additional restaurants, shopping, and services; and numerous cultural amenities, such as ArtCenter, Pasadena Playhouse, Pasadena Civic Center, museums, theater, and music venues. As such, implementation of the Project with Building A Residential/Commercial would enable the site to become an active part of the neighborhood fabric.

- 5) *Summary of CDSP Guiding Principle 5 and Associated Objectives: Providing a community that supports efficient transportation and multi-modal options through development of land uses that are pedestrian friendly and transit-accessible.*

As discussed previously, the higher density of land uses proposed on the site compared to the existing condition is both economically and environmentally sustainable, particularly due to the site's proximity to bus and light rail transit facilities.

- 6) *Summary of CDSP Guiding Principle 6 and Associated Objectives: Supporting institutional growth through development of commercial uses and quality medical and assisted living uses.*

The Project with Building A Residential/Commercial would support institutional growth by providing high-quality redevelopment of the site with complementary commercial, assisted living, and residential uses.

- 7) *Summary of CDSP Guiding Principle 7 and Associated Objectives: Enhancing a local community identity through supporting the continued modernization and development of the Arroyo Parkway as a major commercial corridor.*

As discussed previously, the higher density of land uses proposed on the site compared to the existing condition is both economically and environmentally sustainable, particularly due to the site's proximity to bus and light rail transit facilities and underutilized condition. The urban public spaces proposed as part of the Project with Building A Residential/Commercial invite gathering on the site in an aesthetically pleasing and safe environment whereas the existing site conditions are disjointed and do not provide open spaces for gathering not associated with a restaurant.

The proposed building facades incorporate numerous window openings to provide views and to avoid blank, massive-looking building faces. The facades would also be articulated with patios, window shades, and varying surface treatments to provide variation and break up the surface of the buildings. Portions of both proposed buildings would be set back from the widest part of the building envelope and some portions of the buildings would extend only to Level 4 and Level 6. Additionally, the ground floor would be slightly taller than the remaining levels, at 15 feet high. This would act to differentiate the ground floor

and, combined with some unique architectural features for this level, create a human-scale and pedestrian-friendly environment. Therefore, the Project with Building A Residential/Commercial would support Arroyo Parkway continuing to modernize and be a major commercial corridor in the City.

SCAG 2020–2045 RTP/SCS

As discussed above, the Project with Building A Residential/Commercial would not require a General Plan amendment and would be consistent with the Land Use Element's Guiding Principles and applicable goals and policies that pertain to environmental effects. Additionally, as the Project with Building A Residential/Commercial is an urban infill development located within both a High-Quality Transit Area (HQTa) and a Transit Priority Area (TPA), the proposed land uses would be consistent with the applicable goals of the 2020–2045 RTP/SCS. The Project with Building A Residential/Commercial would increase density, including senior and market-rate housing, in an area within ½-mile of two light rail stations (Fillmore and Del Mar). As discussed above, the Project would enable residents to shop for groceries and household items and dine at on-site buildings that would be accessible even to those with mobility aids. Additionally, there are abundant dining options and other retail/commercial facilities within walking distance of the site. With a light rail and or short drive/rideshare, abundant dining, entertainment, and services in the City are accessible from the site. The Project with Building A Residential/Commercial would also provide bicycle parking and bicycle serving amenities, and electric car charging would be provided in the subterranean parking garage. Furthermore, the Project with Building A Residential/Commercial would include this mix of land uses—residential, commercial, and employment—in one location thereby supporting the transition from single-use parcels and disjointed, disparate land uses to a cohesive mix of uses that are near transit and support pedestrian accessibility within and through the site. As such, the Project with Building A Residential/Commercial would promote and maximize regional mobility, livability, prosperity, and sustainability compared to the existing uses on the site and contribute to a healthier community and region as a whole.

As discussed in Section 3.2, Air Quality, the Project with Building A Residential/Commercial would not result in a conflict with or obstruct implementation of the applicable air quality plan—SCAQMD's 2016 AQMP—nor result in a cumulatively considerable net increase of any criteria pollutant for which the region is in non-attainment under an applicable federal or State AAQS. Accordingly, the Project with Building A Residential/Commercial is consistent with SCAG's 2020–2045 RTP/SCS as it regards land use and transportation patterns that, in turn, help CARB achieve its air quality attainment goals as defined in the applicable SIPs. As discussed above, Section 3.4, GHG Emissions, determined the Project with Building A Residential/Commercial would be consistent with the City's CAP, SCAG's 2020–2045 RTP/SCS, CARB, California's Scoping Plan, and Statewide GHG reduction goals for 2030 or 2050. As discussed in Section 3.9, Transportation, using the City's Transportation Demand Model, the Pasadena DOT determined that the Project with Building A Residential/Commercial would not exceed any of the CEQA transportation thresholds defined in the City's TIA Guidelines, including VT per capita and VMT per capita. SCAG's 2020–2045 RTP/SCS has a focus on transit-oriented development as a means to reduce VMT to improve air quality, reduce GHG emissions, and improve mobility.

The Project with Building A Residential/Commercial would result in a less than significant impact on any land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect, and no mitigation is required.

3.6.6 CUMULATIVE IMPACTS

Project

The cumulative impacts related to demographic growth are analyzed for the City of Pasadena. Growth and development in the City would be accompanied by potential changes in existing land uses. New development on vacant areas and underutilized lots are anticipated to be developed in accordance with the General Plan, Housing Element, and zoning code in effect at the time of each project's application. This includes consideration of variances and vehicles such as PD zoning districts, where allowable. If discretionary actions are needed, individual projects would be subject to evaluation for potential environmental impacts as required by CEQA. This review process would address potential land use and planning policy conflicts.

Projects requiring General Plan amendments or zone changes/variances would need to show consistency with the applicable goals, policies, and/or actions in the General Plan and/or Zoning Code, respectively, and thus are not expected to lead to land use incompatibilities or conflicts. Planned or required infrastructure and public facilities associated with individual projects would provide the necessary facilities and services to existing and future developments. Thus, these projects would complement the private development projects planned in the City. Therefore, the Project would not result in a cumulatively considerable impact, and no mitigation is required.

Project with Building A Residential/Commercial

The cumulative analysis of the Project with Building A Residential/Commercial would be the same as that of the Project. The change in proposed use from medical to residential in Building A does not adversely affect the consistency with the City's General Plan and zoning code. As such, the Project with Building A Residential/Commercial would also not result in a cumulatively considerable impact, and no mitigation is required.

3.6.7 MITIGATION MEASURES

No significant impacts related to land use and planning would occur, and no mitigation is required.

3.6.8 LEVEL OF SIGNIFICANCE AFTER MITIGATION

Less than significant.

3.6.9 SUMMARY OF ANALYSIS

Project

The Project would not require a General Plan amendment and would be consistent with the Guiding Principles of the City's General Plan Land Use Element and numerous goals and policies related to avoiding or reducing environmental impacts. The Project would establish a PD zoning district (via a Zone Change from CD-6 to PD-39) for the site and requires adoption of a PD Plan. The regulations and standards that dictate allowed and conditionally allowed land uses and development would be prescribed in the accompanying PD Plan. The basic design of a project, including compatibility with surroundings, massing, proportion, siting, solid-to-void relationships, and compliance with applicable design guidelines is evaluated through the City's Design Review process and is a role for the City's Design Commission. A subsequent review of a proposed PD zone and PD Plan would occur at a public hearing by the Planning Commission. Therefore, with adherence to the PD Plan processes, including consideration of a variance for historic resources to increase the height of the proposed buildings, the Project would be considered consistent with the zoning code. The Project would not conflict with any land use plan, policy, or regulation

adopted for the purpose of avoiding or mitigating an environmental effect; therefore, there would be less than significant impacts.

Project with Building A Residential/Commercial

The analysis of consistency with land use plans, policies, or regulations adopted to avoid or mitigate an environmental impact for the Project with Building A Residential/Commercial would be essentially the same as that of the Project. The Project with Building A Residential/Commercial would not conflict with any land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect; therefore, there would be less than significant impacts.

3.6.10 REFERENCES

- Pasadena, City of. 2016 (January 25, amended). *Land Use Element of the Pasadena General Plan*. Pasadena, CA: the City. Land-Use-Element-2016-01-25.pdf (cityofpasadena.net).
- . 2015a (August). *Pasadena General Plan*. Pasadena, CA: the City. General Plan - Planning & Community Development Department (cityofpasadena.net).
- . 2015b (January). *Pasadena General Plan Draft Environmental Impact Report Volume I*. Pasadena, CA: the City. https://ww5.cityofpasadena.net/planning/wp-content/uploads/sites/56/2015/09/General-Plan_Draft-EIR_2015-01.pdf?v=1640133432068.
- . 2004 (November 8, adopted). *Central District Specific Plan*. Pasadena, CA: the City. Central District - Planning & Community Development Department (cityofpasadena.net).
- Southern California Association of Governments (SCAG). 2020 (September 3, approved). *2020-2045 Regional Transportation Plan/Sustainable Communities Strategy*. Los Angeles, CA: SCAG. Read the Plan Adopted Final Plan - Southern California Association of Governments.

3.7 NOISE

This section analyzes potential noise and vibration impacts associated with the implementation of the proposed Project and Project with Building A Residential/Commercial. Information in this section is derived from the noise analysis conducted by Psomas and summarized here and the *City of Pasadena General Plan* and its Environmental Impact Report (EIR). The noise modeling data is provided in Appendix F.

3.7.1 EXISTING CONDITIONS

The existing noise environment in the Project area is primarily influenced by traffic noise on nearby roads and, to a lesser extent, the Metro's Gold (L) Line, which runs adjacent to the western boundary of the Project Site. The roadways contributing the most noise to the Project site are South Arroyo Parkway and East California Boulevard.

Noise Background

Noise has been simply defined as "unwanted sound." Sound becomes unwanted when it interferes with normal activities, when it causes actual physical harm, when it has adverse effects on health, or, as stated in the Pasadena Municipal Code (PMC), is unnecessary, excessive, or annoying. Noise is measured on a logarithmic scale of sound pressure level known as a decibel (dB). A-weighted decibels (dBA) approximate the subjective response of the human ear to broad frequency noise source by discriminating against very low and very high frequencies of the audible spectrum. They are adjusted to reflect only those frequencies which are audible to the human ear.

Range of Noise

Since the range of intensities that the human ear can detect is so large, the scale frequently used to measure intensity is a scale based on multiples of 10, the logarithmic scale. The scale for measuring intensity is the decibel scale. Each interval of 10 decibels indicates a sound energy ten times greater than before, which is perceived by the human ear as being roughly twice as loud. The most common sounds vary between 40 dBA (very quiet) to 100 dBA (very loud). Normal conversation at 3 feet is roughly at 60 dBA, while loud jet engine noises equate to 110 dBA at approximately 100 feet, which can cause serious discomfort. Another important aspect of noise is the duration of the sound and the way it is described and distributed in time.

Noise Descriptors

Environmental noise descriptors are generally based on averages, rather than instantaneous noise levels. The most commonly used figure is the equivalent level (L_{eq}). Equivalent sound levels are not measured directly but are calculated from sound pressure levels typically measured in A-weighted decibels (dBA). The equivalent sound level (L_{eq}) represents a steady state sound level containing the same total energy as a time varying signal over a given sample period and is commonly used to describe the "average" noise levels within the environment.

Peak hour or average noise levels, while useful, do not completely describe a given noise environment. Noise levels lower than peak hour may be disturbing if they occur during times when quiet is most desirable, namely evening and nighttime (sleeping) hours. To account for this, the Community Noise Equivalent Level (CNEL), representing a composite 24-hour noise level is utilized. The CNEL is the weighted average of the intensity of a sound, with corrections for time of day, and averaged over 24 hours. The time-of-day corrections require the addition of 5 decibels to dBA L_{eq} sound levels in the evening from 7:00 PM to 10:00 PM, and the addition of 10 decibels to dBA L_{eq} sound levels at night between 10:00 PM and 7:00 AM. These additions are made to

account for the noise-sensitive time periods during the evening and night hours when sound appears louder. CNEL does not represent the actual sound level heard at any time, but rather represents the total sound exposure. The City of Pasadena relies on the 24-hour CNEL level to assess land use compatibility with noise sources.

Sound Propagation

When sound propagates over a distance, it changes in level and frequency content. The way noise reduces with distance depends on the following factors.

Geometric Spreading

Sound from a localized source (i.e., a stationary point source) propagates uniformly outward in a spherical pattern. The sound level attenuates (or decreases) at a rate of 6 dB for each doubling of distance from a point source. Highways consist of several localized noise sources on a defined path and hence can be treated as a line source, which approximates the effect of several point sources. Noise from a line source propagates outward in a cylindrical pattern, often referred to as cylindrical spreading. Sound levels attenuate at a rate of 3 dB for each doubling of distance from a line source.

Ground Absorption

The propagation path of noise from a highway to a receptor is usually very close to the ground. Noise attenuation from ground absorption and reflective wave canceling adds to the attenuation associated with geometric spreading. Traditionally, the excess attenuation has also been expressed in terms of attenuation per doubling of distance. This approximation is usually sufficiently accurate for distances of less than 200 feet. For acoustically hard sites (i.e., sites with a reflective surface between the source and the receptor, such as a parking lot or body of water), no excess ground attenuation is assumed. For acoustically absorptive or soft sites (i.e., those sites with an absorptive ground surface between the source and the receptor such as soft dirt, grass, or scattered bushes and trees), an excess ground attenuation value of 1.5 dB per doubling of distance is normally assumed. When added to the cylindrical spreading, the excess ground attenuation results in an overall drop-off rate of 4.5 dB per doubling of distance from a line source.

Atmospheric Effects

Receptors located downwind from a source can be exposed to increased noise levels relative to calm conditions, whereas locations upwind can have lowered noise levels. Sound levels can be increased at large distances (e.g., more than 500 feet) due to atmospheric temperature inversion (i.e., increasing temperature with elevation). Other factors such as air temperature, humidity, and turbulence can also have significant effects.

Shielding

A large object or barrier in the path between a noise source and a receptor can substantially attenuate noise levels at the receptor. The amount of attenuation provided by shielding depends on the size of the object and the frequency content of the noise source. Shielding by trees and other such vegetation typically only has an “out of sight, out of mind” effect. That is, the perception of noise impact tends to decrease when vegetation blocks the line-of-sight to nearby resident. However, for vegetation to provide a substantial or even noticeable noise reduction, the vegetation area must be at least 15 feet in height, 100 feet wide and dense enough to completely obstruct the line-of sight between the source and the receiver. This size of vegetation may provide up to 5 dBA of noise reduction.

Community Response to Noise

Community responses to noise may range from registering a complaint by telephone or letter, to initiating court action, depending upon everyone's susceptibility to noise and personal attitudes about noise. Approximately ten percent of the population has a very low tolerance for noise and will object to any noise not of their making. Consequently, even in the quietest environment, some complaints will occur. Another 25 percent of the population will not complain even in very severe noise environments. Thus, a variety of reactions can be expected from people exposed to any given noise environment. Surveys have shown that about ten percent of the people exposed to traffic noise of 60 dBA will report being highly annoyed with the noise, and each increase of one dBA is associated with approximately two percent more people being highly annoyed. When traffic noise exceeds 60 dBA or aircraft noise exceeds 55 dBA, people may begin to complain. Despite this variability in behavior on an individual level, the population can be expected to exhibit the following responses to changes in noise levels. An increase or decrease of 1 dBA cannot be perceived except in carefully controlled laboratory experiments, a change of 3 dBA is considered barely perceptible, and changes of 5 dBA are considered readily perceptible.

Land Use Compatibility with Noise

Some land uses are more tolerant of noise than others. For example, schools, hospitals, churches, and residences are more sensitive to noise intrusion than are commercial or industrial developments and related activities. As ambient noise levels affect the perceived amenity or livability of a development, so too can the mismanagement of noise impacts impair the economic health and growth potential of a community by reducing the area's desirability as a place to live, shop, and work. For this reason, land use compatibility with the noise environment is an important consideration in the planning and design process. The Federal Highway Administration (FHWA) encourages State and local governments to regulate land development in such a way that noise-sensitive land uses are either prohibited from being located adjacent to a highway, or that the developments are planned, designed, and constructed in such a way that any noise impacts are minimized.

Vibration

Per the Federal Transit Administration (FTA), vibration is the periodic oscillation of a medium or object. The rumbling sound caused by the vibration of room surfaces is called structure-borne noise. Sources of ground-borne vibrations include natural phenomena (e.g., earthquakes, volcanic eruptions, sea waves, landslides) or human-made causes (e.g., explosions, machinery, traffic, trains, construction equipment). Vibration sources may be continuous, such as factory machinery, or transient, such as explosions. As is the case with airborne sound, ground-borne vibrations may be described by amplitude and frequency.

There are several different methods that are used to quantify vibration. The peak particle velocity (PPV) is defined as the maximum instantaneous peak of the vibration signal. The PPV is most frequently used to describe vibration impacts to buildings but is not always suitable for evaluating human response (annoyance) because it takes some time for the human body to respond to vibration signals. Instead, the human body responds to average vibration amplitude often described as the root mean square (RMS). The RMS amplitude is defined as the average of the squared amplitude of the signal and is most frequently used to describe the effect of vibration on the human body. Decibel notation (VdB) is commonly used to measure RMS. VdB serves to reduce the range of numbers used to describe human response to vibration. Typically, ground-borne vibration generated by man-made activities attenuates rapidly with distance from the source of the vibration. Sensitive receivers for vibration include structures (especially older masonry structures), people (especially residents, the elderly, and sick), and vibration-sensitive equipment.

The background vibration-velocity level in residential areas is generally 50 VdB. Ground-borne vibration is normally perceptible to humans at approximately 65 VdB. For most people, a vibration-velocity level of 75 VdB is the approximate dividing line between barely perceptible and distinctly perceptible levels. Typical outdoor sources of perceptible ground-borne vibration are construction equipment, steel-wheeled trains, and traffic on rough roads. If a roadway is smooth, the ground-borne vibration is rarely perceptible. The range of interest is from approximately 50 VdB, which is the typical background vibration-velocity level, to 100 VdB, which is the general threshold where minor damage can occur in fragile buildings.

Noise Level Measurements

To determine the baseline noise level environment and to assess potential noise impacts, four short-term (20 minutes) and two long-term (24 hours) noise level measurements during typical weekday conditions were collected on September 9 and 10, 2021.

The long-term measurements were collected along the eastern Project site boundary on South Arroyo Parkway and southern site boundary along East California Boulevard where existing noise levels are highest. The average noise levels along South Arroyo Parkway adjacent to the site range from 57 to 70 dBA L_{eq} and the 24-hour weighted noise level at this location is 72 dBA CNEL. The average noise levels along East California Boulevard range from 54 to 74 dBA L_{eq} and the 24-hour weighted noise level at this location is 73 dBA CNEL. The long-term noise measurements indicate that noise levels, generated primarily by traffic, along these two roadways are very similar.

The short-term measurements were collected along the western Project site boundary adjacent to the Metro Gold (L) Line and in the parking lot in front of K9 Loft at 491 South Arroyo Parkway (south side of the Whole Foods Market building) where noise levels are less substantial than along South Arroyo Parkway and East California Boulevard. Table 3.7-1, Short-Term Ambient Noise Measurements, presents the average (L_{eq}), maximum (L_{max}), and minimum noise level (L_{min}) values that were collected at these two locations. The complete noise monitoring results are included in Appendix F.

**TABLE 3.7-1
SHORT-TERM AMBIENT NOISE MEASUREMENTS**

Location	Time	Noise Levels (dBA)			Primary Noise Source(s)
		L_{eq}	L_{max}	L_{min}	
Western Project site boundary (adjacent to Metro L Line)	12:09 PM–12:30 PM	63.8	87.4	48.7	Metro Gold (L) Line and background traffic
491 South Arroyo Parkway (adjacent to south side of Whole Foods Market)	12:32 PM–12:52 PM	61.7	76.1	48.9	Background traffic

dBA: A-weighted decibels; L_{eq} : equivalent noise level; L_{max} : maximum noise level; L_{min} : minimum noise level

As shown in Table 3.7-1, the average daytime noise levels near the site range from 62 to 64 dBA L_{eq} . These noise levels are considered typical for the site due to substantial levels of background traffic on two adjacent roadways.

Sensitive Receptors

California's General Plan Guidelines (OPR 2017) defines noise-sensitive receptors as those land uses that require serenity or are otherwise adversely affected by noise events or conditions. Furthermore, the City of Pasadena attempts to minimize exposure to excessive noise levels to residents, workers, and visitors of Pasadena by adopting the noise-related California General

Plan Guidelines. The land use categories requiring the lowest noise thresholds are schools, libraries, churches, hospitals, and residences. Schools, libraries, churches, hospitals, and residences proximate to the Project site are referred to as the Project's "noise sensitive receptors" due to sensitivity of these uses to noise exposure. Although each land use category has a different measure of acceptable noise exposure, most of the categories listed must remain under 60-70 dBA per State and City guidelines.

The buildings and structures that surround the Project site are mostly commercial properties, including medical office buildings at 55 East California Boulevard and 333 South Arroyo Parkway, a self-storage facility at 411 South Arroyo Parkway, and a Public Radio facility at 474 South Raymond Avenue. The closest noise-sensitive receptors to the Project site include a mix-use residential complex located immediately east of the Project site at 482 South Arroyo Parkway and a hotel located at 400 South Arroyo Parkway. The closest hospital is located two blocks west of the Project site at 625 Fair Avenue Oaks (Huntington Hospital), the closest school is located 0.2-mile to the east at 405 South Euclid Avenue (Mayfield Junior School), the closest church is located 0.3-mile to the west at 500 South Pasadena Avenue (Pasadena Community Christian Fellowship), and the closest park is located 0.2 mile to the north-northwest at 275 South Raymond Avenue (Central Park).

3.7.2 RELEVANT PROGRAMS AND REGULATIONS

Public agencies have established noise guidelines and standards to protect citizens from potential hearing damage and various other adverse physiological and social effects associated with noise.

Noise Standards

California Noise Insulation Standards

Title 24 of the *California Code of Regulations*, also known as the California Building Standards Code or, more commonly, as the California Building Code (CBC), codifies the State's noise insulation standards applicable to all occupancies throughout the State. Section 1206.4, Allowable Interior Noise Levels, of the CBC states "Interior noise levels attributable to exterior sources shall not exceed 45 dB in any habitable room. The noise metric shall be either the day-night average sound level (L_{dn}) or the community noise equivalent level (CNEL), consistent with the noise element of the local general plan."

The 2019 California's Green Building Standards Code, also known as CALGreen, contains mandatory measures for non-residential building construction in Section 5.507 on Environmental Comfort. These noise standards are applied to new construction in California for controlling interior noise levels resulting from exterior noise sources. The regulations specify that acoustical studies must be prepared when non-residential structures are developed in areas where the exterior noise levels exceed 65 dBA CNEL, such as within a noise contour of an airport, freeway, railroad, and other areas where noise contours are not readily available. If the development falls within an airport or freeway 65 dBA CNEL noise contour, the combined sound transmission class (STC) rating of the wall and roof-ceiling assemblies must be at least 50. For those developments in areas where noise contours are not readily available and the noise level exceeds 65 dBA L_{eq} for any hour of operation, a wall and roof-ceiling combined STC rating of 45 and exterior windows with a minimum STC rating of 40 are required (Section 5.507.4.1). Alternatively, if the interior noise levels of non-residential buildings satisfy the performance criteria of 50 dBA L_{eq} (1 hour), then the performance method to meet CALGreen standards defined in Section 5.507.4.2 has been met.

City of Pasadena General Plan Noise Element

The City of Pasadena is affected by several different sources of noise, including automobile traffic, Rose Bowl events, commercial activity, and periodic nuisances such as construction, loud parties, and other events. The Noise Element of the City's General Plan is intended to identify these sources and provide objectives and policies that ensure that noise from these sources does not create an unacceptable noise environment (Pasadena 2015). The Noise Element contains the City's guidelines for noise compatible land uses, which are presented as Table 3.7-2, City of Pasadena Guidelines for Noise Compatible Land Use.

The City's Noise Element acknowledges that noise from major roadways may affect sensitive receptors. The following policy and implementation measures are applicable to the Project and Project with Building A Residential/Commercial:

- Policy 2a** The City will encourage noise-compatible land uses along major roadways.
- Measure 1** The City will consult the guidelines for noise compatible land use shown on Table 3 of this Noise Report to guide the appropriateness of land uses relative to roadway noise.
- Measure 2** An acoustical study showing the ability to meet state noise insulation standards may be required for any development proposed in an area where the noise level exceeds the "clearly acceptable level" as determined by the City and shown on Table 3.

The Noise Element recognizes that noise generated by commercial operations, maintenance, truck deliveries, and traffic can affect adjacent residential areas and other sensitive land uses. The following objective and implementation measure are applicable to the Project and Project with Building A Residential/Commercial:

- Objective 6** The City will minimize noise spillovers from commercial and industrial operations into adjacent residential neighborhoods and other sensitive uses, while maximizing the Land Use Element's objectives to encourage mixed-use development in the Central District and other Specific Plan areas as well as to promote economic vitality.
- Measure 26** The City will warn new residents and other sensitive noise receptors about the potential for noise in the Central District and other mixed-use areas.

**TABLE 3.7-2
CITY OF PASADENA GUIDELINES FOR NOISE COMPATIBLE LAND USE**

Land Use Category	Community Noise Exposure Ldn or CNEL, DBA						
	55	60	65	70	75	80	85
Residential – Low density single family, duplex, mobile homes							
Residential – Multi-family and Mixed Commercial/ Residential Use							
Transient Lodging – Motels, Hotels							
Schools, Libraries, Churches, Hospitals, Nursing Homes							
Auditoriums, Concert Halls, Amphitheaters							
Sports Arena, Outdoor Spectator Sports							
Playgrounds, Neighborhood Parks							
Golf Courses, Riding Stables, Water Recreation, Cemeteries							
Office Buildings, Business Commercial and Professional							
Industrial, Manufacturing, Utilities, Agriculture							
<div> <p>CLEARLY ACCEPTABLE</p> <p>Specified land use is satisfactory, based upon the assumption that any buildings involved are of normal conventional construction, without any special noise insulation requirement.</p> </div> <div> <p>CONDITIONALLY ACCEPTABLE</p> <p>If new construction or development proceeds, an analysis of the noise reduction requirements should be made and needed noise insulation features included in the design.</p> </div>							
<div> <p>NORMALLY ACCEPTABLE</p> <p>New construction or development should be undertaken after an analysis of the noise reduction requirements is made and needed noise insulation features included in the design. Conventional construction, but with closed windows and fresh air supply systems or air conditioning will normally suffice.</p> </div> <div> <p>NORMALLY UNACCEPTABLE</p> <p>New construction or development should generally not be undertaken, unless it can be demonstrated that an interior level of 45 dBA can be achieved.</p> </div>							
Source: Pasadena 2002.							

The Noise Element recognizes that construction activity is also a source of occasional temporary nuisance noise throughout the City; that these and other such nuisance noises are common to cities; and, because of their unpredictable nature, that these activities must be addressed on a case-by-case basis. The following policies are applicable to the Project and Project with Building A Residential/Commercial:

- Policy 7b** The City will encourage limitations on construction activities adjacent to sensitive noise receptors as defined in Table 3 of this Noise Report.
- Policy 7c** The City will encourage construction and landscaping activities that employ techniques to minimize noise.

City of Pasadena Municipal Code

Chapter 9.36, Noise Restrictions, of the PMC is the City's Noise Ordinance. It is the City's policy "to prohibit unnecessary, excessive and annoying noises from all sources. Noise at certain levels is detrimental to the health and welfare of the general public". The following sections of the Noise Ordinance are applicable to the Project and Project with Building A Residential/Commercial:

9.36.040 - Ambient noise level.

- A. When "ambient noise level" is referred to in this chapter, it means the actual measured ambient noise level.
- B. Any sound level measurement made pursuant to the provisions of this chapter shall be measured with a sound level meter using the A weighting.
 - 1. Where the sound alleged to be offending is of a type or character set forth below, the following values shall be added to the sound level measurement of the offending noise:
 - a. Except for noise emanating from any electrical transformer or gas metering and pressure control equipment existing and installed prior to the effective date of the ordinance codified herein, any steady audible tone: + 5;
 - b. Repeated impulsive noise: + 5;
 - c. Noise occurring more than 5 but less than 15 minutes per hour: - 5;
 - d. Noise occurring more than 1 but less than 5 minutes per hour: - 10;
 - e. Noise occurring less than 1 minute per hour: -20.
 - 2. Values of subsections (B)(1)(c), (B)(1)(d) and (B)(1)(e) of this section shall be added to the sound level measurements during daytime (6 a.m. to 11 p.m.) periods only.

9.36.050 – General noise sources.

- A. It is unlawful for any person to create, cause, make or continue to make or permit to be made or continued any noise or sound which exceeds the ambient noise level at the property line of any property by more than 5 decibels.

9.36.070 – Construction projects.

- A. No person shall operate any pile driver, power shovel, pneumatic hammer, derrick power hoist, forklift, cement mixer or any other similar construction equipment within a residential district or within a radius of 500 feet therefrom at any time other than as listed below:
 - 1. From 7:00 AM to 7:00 PM Monday through Friday;
 - 2. From 8:00 AM to 5:00 PM on Saturday; and
 - 3. Operation of any of the listed construction equipment is prohibited on Sundays and holidays.
- B. No person shall perform any construction or repair work on buildings, structures or projects within a residential district or within a radius of 500 feet therefrom in such a manner that a reasonable person of normal sensitiveness residing in the area is caused discomfort or annoyance at any time other than as listed below:
 - 1. From 7:00 AM to 7:00 PM Monday through Friday;
 - 2. From 8:00 AM to 5:00 PM on Saturday; and
 - 3. Performance of construction or repair work is prohibited on Sundays and holidays.
- C. For purposes of this section, holidays are New Year's Day, Martin Luther King Jr. Day, Lincoln's Birthday, Washington's Birthday, Memorial Day, Independence Day, Labor Day, Veterans Day, Thanksgiving Day, Day after Thanksgiving, and Christmas.

9.36.080 – Construction equipment.

It is unlawful for any person to operate any powered construction equipment if the operation of such equipment emits noise at a level in excess of 85 dBA when measured within a radius of 100 feet from such equipment.

9.36.110 – Radio, television sets and similar devices.

- A. Use Restricted. It is unlawful for any person within any residential zone of the city to use or operate any radio receiving set, musical instrument, phonograph, television set or other machine or device for the producing or reproducing of sound (between the hours of 10 PM of one day and 7 AM of the following day) in such a manner as to disturb the peace, quiet and comfort of neighboring residents or any reasonable person of normal sensitiveness residing in the area.
- B. Prima Facie Violation. Any noise level exceeding the ambient base level at the property line of any property by more than 5 decibels is deemed to be prima facie evidence of a violation of the provisions of this section.

Vibration Standards

The following vibration standards are used in this analysis to assess the construction vibration levels generated by the proposed land uses and their effects at adjacent, existing land uses to be retained on the Project site. The City's General Plan and the PMC do not identify vibration level standards.

The Federal Transit Administration provides quantitative vibration damage and vibration annoyance criteria, which have been applied in this analysis. Table 3.7-3, Construction Vibration Damage Criteria present these thresholds.

**TABLE 3.7-3
CONSTRUCTION VIBRATION DAMAGE CRITERIA**

Building Class	PPV, (in/sec)	Approximate L_v*
I. Reinforced-concrete, steel or timber (no plaster)	0.5	102
II. Engineered concrete and masonry (no plaster)	0.3	98
III. Non-engineered timber and masonry buildings	0.2	94
IV. Buildings extremely susceptible to vibration damage	0.12	90
RMS velocity in decibels, VdB re 1 micro-in/ sec Source: FTA 2018.		

The building damage threshold for Class II Buildings is selected for surrounding non-historic retail buildings; the threshold for Class III buildings is selected for surrounding residential buildings; and the threshold for Class IV buildings is selected for the on-site historic structures. These thresholds represent the vibration limits for damage to buildings from continuous sources of vibration during construction activities on the Project site.

3.7.3 THRESHOLDS OF SIGNIFICANCE

The following significance criteria are derived from Appendix G of the State CEQA Guidelines. A project would result in a significant adverse noise impact if it would:

Threshold 3.2a: Result in generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan, local noise ordinance, or applicable standards of other agencies.

Threshold 3.2b: Result in generation of excessive ground-borne vibration or ground-borne noise levels.

The Initial Study (provided in Appendix A-1) concluded the following thresholds related to noise were determined to result in no impacts or less than significant impacts and were not carried forward into the Draft EIR for further analysis:

- For a project located within the vicinity of a private airstrip or an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?

3.7.4 METHODOLOGY

Point Source Noise

The distance from the noise source to a receptor is a primary consideration in determining the actual noise level experienced at the receptor. Construction equipment can be considered to operate in two modes: stationary and mobile. Noise impacts from stationary construction equipment are assessed from the center of the equipment, while noise impacts for mobile

construction equipment are assessed as emanating from the center of the equipment activity or construction site.

Traffic Noise

The noise levels for roadways in the Project traffic study area were estimated using the Federal Highway Administration's (FHWA's) Highway Traffic Noise Prediction Model (RD-77-108). The FHWA model determines a predicted noise level through a series of adjustments to a reference sound level. These adjustments account for traffic flows, speed, truck mix, varying distances from the roadway, length of exposed roadway, and noise shielding. The calculations do not consider the effect of any noise barriers or topography that may affect ambient noise levels. The net trip generation for the Project and Project with Building A Residential/Commercial was used to estimate off-site traffic noise generation.

Groundborne Vibration

In contrast to airborne noise, groundborne vibration is not a common environmental problem. Some common sources of groundborne vibration are construction activities such as blasting, pile driving, and operating heavy earth-moving equipment. Trains and similar rail vehicles can also produce vibration. It is unusual for vibration from sources such as buses and trucks to be perceptible. In quantifying vibration, the PPV is most frequently used to describe vibration impacts and is typically measured in inches per second (in/sec). Vibration levels that may cause annoyance to humans are described using the vibration decibel (VdB). Typically, groundborne vibration generated by man-made activities attenuates rapidly with distance from the source.

3.7.5 ENVIRONMENTAL IMPACTS

Threshold 3.2a **Would the Project result in generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?**

Project

Construction Noise

Construction of the Project would include noise generated from demolition, site preparation, grading/excavation, building construction and architectural coating activities. Construction activities are carried out in discrete steps, each of which has its own mix of equipment and, consequently, its own noise characteristics. These various sequential phases would change the character of the noise levels surrounding the construction site as work progresses. Construction noise levels reported in the U.S. Environmental Protection Agency's (USEPA's) *Noise from Construction Equipment and Operations, Building Equipment, and Home Appliances* were used to estimate future construction noise levels for the Project (USEPA 1971). Typically, the estimated construction noise levels are governed primarily by equipment that produces the highest noise levels. Construction noise levels for each generalized construction phase (ground-clearing/demolition, excavation/grading, foundation construction, building construction and site cleanup) are based on a typical construction equipment mix for a mixed-use project and do not include use of atypical, very loud, and vibration-intensive equipment (e.g., pile drivers). The degree to which noise-sensitive receptors are affected by construction activities depends heavily on their proximity.

Table 3.7-4, Construction Noise Levels at Surrounding Receptors, summarizes the estimated maximum and average construction noise levels at several receptors (both sensitive and non-

sensitive) for each construction phase as well at the noise level at a distance of 100 feet; which is the City's construction noise threshold (Section 9.36.080 of the PMC). Maximum noise levels represent the noise levels from construction equipment occurring nearest to the noise sensitive use/receptor. Average noise levels represent the noise exposure to sensitive uses based on the distance to the center of the Project site. Noise levels from general Project-related construction activities were evaluated based on the City's noise limit of 85 dBA at 100 feet. As shown in Table 3.7-4, Construction Noise Levels at Surrounding Receptors, construction noise levels at 100 feet from the construction area would range from 72 to 83 dBA L_{eq} . As shown, noise generation for all construction phases would be less than the 85 dBA noise limit as measured at 100 feet; and would be lower than 85 dBA for almost all receptors and/or all construction phases. Noise level reductions from intervening structures and from existing masonry walls on-site and equipment being below grade were not considered in the noise modeling. As such, actual average and maximum construction noise levels would be lower than shown in Table 3.7-4.

**TABLE 3.7-4
CONSTRUCTION NOISE LEVELS AT SURROUNDING RECEPTORS**

Receptor	Construction Phase Noise Levels (dBA)									
	Demolition/ Site Prep		Grading/ Excavation		Foundations		Building Construction		Architectural Coatings	
	Avg	Max	Avg	Max	Avg	Max	Avg	Max	Avg	Max
Noise Level at Each Receptor Location										
482 South Arroyo Parkway	70	83	70	83	59	72	68	81	70	83
Huntington Hospital Complex	64	65	64	65	53	54	62	63	64	65
Central Park	59	61	59	61	48	50	57	59	59	61
Mayfield Junior School	62	62	62	62	51	51	60	60	62	62
KPCC ¹	86	93	86	93	75	82	84	91	86	93
Medical Building ²	72	75	72	75	61	64	70	73	72	75
Plastic Surgery + Medical Spa ³	75	83	75	83	64	72	73	81	75	83
HRC Fertility Complex ⁴	69	71	69	71	58	60	67	69	69	71
Pasadena Inn ⁵	70	73	70	73	59	62	68	71	70	73
Noise Level at 100 ft (dBA)	83		83		72		81		83	
Noise Limit at 100 ft (dBA)	85		85		85		85		85	
Exceeds Noise Limit?	No		No		No		No		No	
dBA: A-weighted decibels; Site Prep: site preparation; max: maximum noise level; avg: average noise level; ft: feet										
Note: Noise levels from construction activities do not consider attenuation provided by intervening structures.										
¹ Complex located at 474 South Raymond Avenue										
² Medical Building at 55 East California Boulevard										
³ Medical use located at 100 East California Boulevard										
⁴ Medical use at 333 Arroyo Parkway										
⁵ Hotel use at 400 South Arroyo Parkway										
Sources: USEPA 1971 (construction equipment noise levels); see Appendix F, Noise Modeling Data, for modeling assumptions and outputs.										

Truck trips would be needed for delivery of construction equipment and materials as well as the export of the excavated soils. Noise generated from truck trips would add to the ambient noise level generated by vehicle traffic. In general, a doubling of traffic is necessary to increase noise levels by 3 dBA. For the Project, it is anticipated that development site would result in an average of approximately 110 truck trips per day during the demolition phase and 250 truck trips per day during the grading/excavation phase.¹ These truck trips would travel along local truck routes near the Project site. The City of Pasadena's Truck Route Map (DOT 2016) designates Del Mar Boulevard, Arroyo Parkway and Fair Oaks Avenue as truck routes. The addition of an average of 250 truck trips per day to roadway volumes of approximately 18,000 daily trips along Arroyo Parkway north of California Boulevard or 21,000 daily trips along California Boulevard west of Arroyo Parkway would increase roadway volumes by approximately 1 to 2 percent. A doubling of traffic volumes is required to increase traffic noise levels by 3 dBA. 3 dBA is also the lowest change in noise levels that is considered to be perceptible in outdoor environments. As such, the small increase in traffic volumes related to construction activities proximate to the Project site would not result in a perceptible increase in noise levels. Noise from truck trips associated with development of the site would cease when construction of the Project is complete.

In summary, noise from construction activities on site would be clearly audible above the existing ambient noise environment. However, construction would occur during the least noise-sensitive portions of the day, consistent with Section 9.36.070 of the PMC, nor would it exceed the City's construction noise limit of 85 dBA at 100 feet. Additionally, off-site noise from the addition of construction-related truck trips would not be discernable. There would be less than significant construction noise impacts, and no mitigation is required.

Operation

Off-Site Traffic Noise Generation

Operation of the Project would increase traffic compared to the existing uses on the site, which has the potential to increase noise levels on local roadways proximate to the site. Table 3.7-5, Net Trip Generation for the Project, summarizes the daily total trip generation and the AM and PM peak hour trip generation for the existing land uses (not including Whole Foods Market as this is not changing), the Project land uses, and the net difference.

**TABLE 3.7-5
NET TRIP GENERATION FOR THE PROJECT**

	Daily	AM Peak Hour	PM Peak Hour
Existing Uses	2,454	189	237
Proposed Uses	6,366	515	618
Net Change	3,913	326	381
Source: Pasadena 2021a.			

¹ Based on an estimated excavated export volume of 184,013 cubic yards transported by 14 cubic yard trucks which results in 13,144 truckloads. Assuming that there are two truck trips per load, there would be 26,288 one-way truck trips. These truck trips would be distributed over a grading period of 4-months with 104 workdays per month. The 253 average truck trips per day was obtained by dividing 26,288 truck trips by 104 grading days.

As shown in Table 3.7-5, the existing uses on the site generate 2,454 vehicle trips per day with 189 AM and 237 PM peak-hour trips. The Project is estimated to generate a total of 6,366 vehicle trips per day, with 515 AM and 618 PM peak hour trips. The net change in trips, when considering the traffic generated by existing land uses, is an additional 3,913 trips per day with 326 AM peak hour trips and 381 PM peak hour trips.

Table 3.7-6, Net Street segment volumes with the Project (Year 2026), on the following page summarizes the average daily trips (ADT) for several street segments on the Project site vicinity, the additional ADT attributable to the Project, and the net different as a percentage.

**TABLE 3.7-6
NET STREET SEGMENT VOLUMES WITH THE PROJECT (YEAR 2026)**

Street Segment	Existing ADT	Additional ADT	Net Change
Bellevue Dr. b/t Arroyo Prkwy. and Marengo Ave.	850	160	19%
Bellevue Dr. west of Arroyo Prkwy.	4,690	0	0%
Arroyo Prkwy. b/t Bellevue Dr. and Del Mar Blvd.	17,040	490	3%
Arroyo Prkwy. b/t Bellevue Dr. and California Blvd.	16,200	650	4%
California Blvd. b/t Raymond Ave. and Arroyo Prkwy.	17,060	900	5%
California Blvd. b/t Raymond Ave. and Fair Oaks Ave.	14,640	300	2%
Raymond Ave. b/t California Blvd. and Bellevue Dr.	9,780	600	6%
Raymond Dr. b/t California Blvd. and Pico Street	9,140	0	0%
California Blvd. b/t Arroyo Prkwy. and Marengo Ave.	24,750	1,280	5%
California Blvd. b/t Arroyo Prkwy. and Raymond Ave.	21,020	540	3%
Arroyo Prkwy. b/t California Blvd. and Bellevue Dr.	17,990	2,480	14%
Arroyo Prkwy. b/t California Blvd. Pico Street	26,540	980	4%
Arroyo Prkwy. b/t Del Mar Blvd. and Bellevue Dr.	16,220	480	3%
Arroyo Prkwy. b/t Glenarm Street and Fillmore Street	24,000	980	4%
ADT: average daily trips; b/t: between; Dr.: Drive; Prkwy.: Parkway; Ave.: Avenue; Blvd.: Boulevard			
Source: Pasadena 2021a			

As shown in Table 3.7-6, implementation of the Project would result between 0 percent and 19 percent increase in ADT. It is noted that the percent change in trips is 6 percent or below on all street segments except on (1) Arroyo Parkway between California Boulevard and (2) Bellevue Drive and on Bellevue Drive between Arroyo Parkway and Marengo Avenue. A three-decibel increase occurs when traffic volumes double or a project increases the percentage of noisy trucks on roadways. With a maximum increase of 19 percent, the increase in off-site traffic-related noise would be less than 1 decibel. This increment is not discernable to human hearing even under laboratory conditions. As such, the Project would not result in a substantial permanent change in noise levels related to off-site traffic. There would be a less than significant impact related to traffic noise, and no mitigation is required.

On-Site Stationary Noise Generation

Operational noise sources associated with the Project would include, but not be limited to, mechanical equipment (e.g., HVAC units) and landscape maintenance equipment. The City's Noise Ordinance is designed to control unnecessary, excessive, and annoying sounds from sources on private property by specifying noise levels that cannot be exceeded.

PMC Section 9.36.090, Machinery, Equipment, Fans and Air Conditioning, defines the noise level exposure limits at properties affected by specific noise sources. HVAC units and other stationary

equipment would be selected and installed to comply with the City of Pasadena's Noise Ordinance. The noise threshold for HVAC equipment is that the noise shall not exceed 5 dBA above ambient conditions at the property lines. HVAC units would be located on top of seven to eight story buildings; therefore, noise generation from the HVAC equipment would be substantially attenuated by the distance between the top of the building to the nearest receptors beyond the property lines. Additionally, the HVAC units would be situated behind parapets, which would reduce noise transmission to lower elevation receptors.

Noise from landscape maintenance would be similar to noise currently occurring at the Project site. Noise from leaf blowers is specifically addressed under Section 9.37, Leaf-Blowing Machines, of the PMC. The City limits the use of leaf-blowing machines to the least noise sensitive portions of the day, limits the use to 30 minutes per day, and sets a noise level limit of 65 dBA as measured at 50 feet. Compliance with the City's requirements would result in noise levels that are acceptable pursuant to the PMC.

The Project would also have outdoor uses such open spaces and dining. Noise generated by these uses typically include people talking and, possibly, use of amplified music. Any noise generated within the open spaces would be substantially attenuated by the proposed structures, the elevation above the street, and the distance between the outdoor activities and the nearest property line. Also, all outdoor uses would be subject to the 5 dB noise limit established in Section 9.36.050 of the PMC.

In summary, through compliance with the City's Noise Ordinance, there would be less than significant impacts related to on-site stationary noise sources, and no mitigation is required.

Project with Building A Residential/Commercial

Construction Noise

Construction of the Project with Building A Residential/Commercial would result in the same construction noise generation as the Project. The only difference in construction scenario is that subterranean parking is reduced to four levels (instead of five). However, this would not affect the noise generation from the excavation activities themselves because there would be the same daily construction activities.

As discussed for the Project, at a distance of 100 feet from the Project's construction area, construction activities for the Project with Building A Residential/Commercial would generate noise levels ranging from 72 to 83 dBA L_{eq} . As shown in Table 3.7-4 above, noise generation for all construction phases would be less than the City's 85 dBA noise limit as measured at 100 feet.

As discussed for the Project, truck trips are needed for delivery of construction equipment and materials as well as the export of the excavated soils. For the Project with Building A Residential/Commercial, based on data provided by the Project Applicant, it is anticipated that grading and excavation of the site would result in a maximum of 10,515 truckloads of soil during the grading/excavation phase of four months. Assuming that each truckload has two trips, there would be an average of approximately 200 truck trips per day (reduced from an estimated 250 trips for the Project). The addition of 200 truck trips per day to roadway volumes of approximately 18,000 daily trips along Arroyo Parkway north of California Boulevard or 21,000 daily trips along California Boulevard west of Arroyo Parkway would increase roadway volumes by approximately 1-2 percent. A doubling of traffic volumes is required to increase traffic noise levels by 3 dBA. 3 dBA is also the lowest change in noise levels that is considered perceptible to human hearing in outdoor environments. As such, the small increase in traffic volumes related to construction activities proximate to the Project site would not result in a perceptible increase in noise levels.

After completion of Project related construction activities, noise from truck trips associated with development of the site would cease.

Therefore, as with the Project, construction of the Project with Building A Residential/Commercial would be clearly audible above the existing ambient noise environment. However, construction would occur during the least noise-sensitive portions of the day, consistent with Section 9.36.070 of the PMC, nor would it exceed the City's construction noise limit of 85 dBA at 100 feet. Additionally, off-site noise from the addition of construction-related truck trips would not be discernable. There would be less than significant construction noise impacts, and no mitigation is required.

Operation

Off-Site Traffic Noise

Operation of the proposed Project with Building A Residential/Commercial would increase traffic as compared to existing uses on the site, which has the potential to increase noise levels on local roadways proximate to the site. Table 3.7-7, Net Trip Generation for the Project with Building A Residential/Commercial, summarizes the daily total trip generation and the AM and PM peak hour trip generation for the existing land uses (not including Whole Foods Market as this is not changing), the Project land uses, and the net difference.

**TABLE 3.7-7
NET TRIP GENERATION FOR THE PROJECT WITH BUILDING A
RESIDENTIAL/COMMERCIAL**

	Daily	AM Peak Hour	PM Peak Hour
Existing Uses	2,454	189	237
Project Uses	2,494	194	217
Net Change	41	5	(20)
Source: Pasadena 2021b.			

As shown in Table 3.7-7, the Project with Building A Residential/Commercial is estimated to generate a total of 2,494 vehicle trips per day, with 194 AM and 217 PM peak hour trips. The net change in trips, when considering the traffic generated by existing land uses, is 41 additional trips per day with an increase of 5 AM peak hour trips and a reduction of 20 PM peak hour trips.

Because the Project with Building A Residential/Commercial would generate fewer daily trips than the Project, it can be concluded that this scenario would not result in a substantial permanent change in noise levels related to off-site traffic. There would be a less than significant impact related to traffic noise, and no mitigation is required.

On-Site Stationary Noise Generation

Operational noise sources associated with the Project with Building A Residential/Commercial would be essentially the same as the Project. As with the Project, through compliance with the City's Noise Ordinance, there would be less than significant impacts related to on-site stationary noise sources, and no mitigation is required.

Threshold 3.2b Would the Project result in generation of excessive ground-borne vibration or ground-borne noise levels?

Project

Construction

As discussed previously, there are no applicable City standards for vibration-induced building damage and/or annoyance and applicable FTA criteria have been applied in this analysis.

Pile driving and blasting are generally the sources of the most severe vibration during construction. Neither pile driving nor blasting would be used during Project construction. Conventional construction equipment would be used for demolition and grading activities. Table 3.7-8, Vibration Levels for Construction Equipment, summarizes typical vibration levels measured at 25 feet during construction activities for various vibration-inducing pieces of equipment.

**TABLE 3.7-8
VIBRATION LEVELS FOR CONSTRUCTION EQUIPMENT**

Equipment		PPV at 25 ft (in/sec)
Pile driver (impact)	upper range	1.518
	typical	0.644
Pile driver (sonic)	upper range	0.734
	typical	0.170
Vibratory roller		0.210
Large bulldozer		0.089
Caisson drilling		0.089
Loaded trucks		0.076
Jackhammer		0.035
Small bulldozer		0.003
ppv: peak particle velocity; ft: feet; in/sec: inch(es) per second. Source: FTA 2018.		

Demolition, grading and excavation, and building construction would occur up to the property lines for much of the Project site. These construction activities would generate vibration. However, construction related vibration would not be expected to interfere with the operation of land uses proximate to the construction area. Land uses nearby (about 50 feet) include restaurants, moving and storage facilities, a supermarket, and other non-vibration sensitive uses. Construction generated vibration from the Project would not interfere with their operation. However, heavy construction vehicles and activities may have the potential for cosmetic building damage.

Table 3.7-9, Vibration Levels and Building Damage at Surrounding Uses, summarizes the expected vibration level at several receptors – both on-site and off-site – for the primary vibration-generating construction equipment compared to the applicable vibration building damage threshold.

**TABLE 3.7-9
VIBRATION LEVELS AND BUILDING DAMAGE AT SURROUNDING USES**

Equipment	Vibration Levels (PPV)				
	Whole Foods Market located within the Project Site ¹	Commercial Historic Uses within the Project Site ²	Commercial Use to the West of the Project Site ³	Medical Use to the Southwest of the Project Site ⁴	Residential Use to the East of the Project Site ⁵
	(PPV at 10 ft)	(PPV at 10 ft)	(PPV at 30 ft)	(PPV at 100 ft)	(PPV at 105 ft)
Large bulldozer	0.35	0.35	0.07	0.01	0.01
Small bulldozer	0.01	0.01	0.00	0.00	0.00
Jackhammer	0.14	0.14	0.03	0.00	0.00
Loaded trucks	0.30	0.30	0.06	0.01	0.01
Threshold	0.3	0.12	0.3	0.3	0.3
Exceeds Threshold?	Yes	Yes	No	No	No
PPV: peak particle velocity; ft: feet ¹ Facility located at 465 South Arroyo Parkway ² Commercial property located at 501 & 523 South Arroyo Parkway ³ Commercial use located at 474 South Raymond Avenue ⁴ Medical use located at 100 East California Boulevard ⁵ Residential use located at 482 South Arroyo Parkway Source: FTA 2018; see Appendix F, Noise Modeling Data, for modeling assumptions and outputs.					

As shown in Table 3.7-9, the estimated vibration levels would not exceed the building damage threshold at adjacent off-site structures. However, during construction activity in close proximity (around 30 feet or less), buildings located within the Project site (i.e., Whole Foods Market and 501 and 523 South Arroyo Parkway) may be exposed vibration levels that could result in cosmetic building damage. As discussed in Section 2.0, Environmental Setting and Project Description, 501 and 523 South Arroyo Parkway are considered historic resources and are represented in Table 3.7-9 in the second column of estimated vibration levels (Commercial Historic Uses within the Project Site). Because of the age of these two structures, they are considered more susceptible to vibration-related damage than newer construction, such as Whole Foods Market, located at 465 South Arroyo Parkway. As shown, a lower threshold (0.12 compared to 0.30) is applied to these structures for consideration of vibration-inducing building damage.

As shown in Table 3.7-9, both the Whole Food Market building and the structures at 501 and 523 South Arroyo Parkway may experience vibration levels during operation of certain equipment that could cause cosmetic damage. Therefore, MM NOI-1 requires that certain construction activities/equipment are set back from these buildings, that vibration monitoring is implemented, and, if cosmetic damage does occur despite setbacks and monitoring, the Project Applicant shall be responsible for restoring the damage. With implementation of MM NOI-1, there would be less than significant impacts related to vibration causing damage to the three on-site buildings being retained.

Project with Building A Residential/Commercial

Construction of the Project with Building A Residential/Commercial would result in the same construction related vibration generation as the Project. The only difference in the construction scenario is that subterranean parking is reduced to four levels (instead of five). However, this would not affect the vibration generation from the excavation activities themselves because there would be the same daily construction activities. As with the Project, with implementation of MM NOI-1, there would be less than significant impacts for the Project with Building A

Residential/Commercial related to vibration causing damage to the three on-site buildings being retained.

3.7.6 CUMULATIVE IMPACTS

Project

Cumulative Construction Noise and Vibration

Noise and vibration generated during construction of the proposed Project would be localized and would occur intermittently for varying periods of time throughout the construction period. Short-term cumulative impacts related to ambient noise and vibration levels could occur if construction associated with the proposed Project as well as surrounding current and future development were to occur simultaneously. Noise or vibration generated by construction of the Project in combination with another project with major construction activity within approximately 1,000 feet of the site could adversely impact sensitive receptors in the vicinity of the site with a cumulative noise level greater than the noise generated solely at the Project site.

At this time there are no projects within 1,000 feet that are anticipated to be constructed concurrently with the Project that have the potential to generate cumulatively considerable noise or vibration levels. The City also limits noise from construction equipment to 85 dBA at 100 feet. Because construction noise would be substantially attenuated prior to reaching land uses proximate to the Project site and imposes a noise limit on construction equipment, cumulative noise from both construction projects would not be substantially different than that generated by the Project. As such, the Project would not result in a cumulatively considerable construction noise and vibration impact.

Cumulative Operational Noise

Cumulative traffic noise was evaluated by the City's General Plan EIR (Pasadena 2015), in which traffic noise levels were assessed for year 2015 and the buildout year of 2035 along Arroyo Parkway north of California Boulevard. Cumulative traffic noise levels were found to increase by 0.5 dBA. As discussed previously, the Project would increase traffic volumes by a maximum of 19 percent over existing conditions. This increase in traffic volumes would result in noise level increases of 1 dBA CNEL, which would not result in increases in cumulative traffic noise above the 5 dBA CNEL significance threshold used in the General Plan EIR.

Individual stationary sources of noise are regulated by the City's Municipal Code for both the Project and the Project with Building A Residential/Commercial. The stringent noise limitations established for each of these noise sources, the infrequency of occurrence, and the separation distance for these noise sources would limit cumulative noise exposure near the Project site to a less than significant level. As such, the Project would not result in a cumulatively considerable stationary noise source impact.

Project with Building A Residential/Commercial

The cumulative analysis for the Project with Building A Residential/Commercial is essentially the same as the Project. For construction noise and vibration, the only difference in the construction scenario is that subterranean parking is reduced to four levels (instead of five). However, this would not affect the construction noise and vibration generation from the excavation activities themselves because there would be the same daily construction activities. For operation, the only difference is the provision of residential instead of medical office land uses. This results in fewer daily vehicle trips. However, this would not affect the stationary source noise generation nor change the traffic noise generation to a degree that would be audible to human hearing. As such,

the Project with Building A Residential/Commercial would not result in a cumulatively considerable construction noise and vibration impact or operational noise impact.

3.7.7 MITIGATION MEASURES

MM NOI-1 The potential for vibration-induced cosmetic (i.e., not structural) damage to the structures at 465, 501, and 523 South Arroyo Parkway shall be reduced by implementing the following three steps: (1) setbacks, (2) monitoring, and (3) restoration (if applicable).

- (1) The Project Applicant shall be responsible for ensuring the construction specifications include the following language: "Construction equipment shall observe setback distances of 30 feet from any of the three on-site buildings being retained (Whole Foods Market and 501 and 523 South Arroyo Parkway) for equipment equivalent to a large bulldozer (29,000 pounds or more) and 20 feet for jackhammers and loaded trucks. Small dozers and other equipment with vehicle weights of less (29,000 pounds) are not anticipated to result in substantial levels of vibration that could cause building damage".
- (2) The Project Applicant shall be responsible for placing a vibration monitor in each of the three on-site buildings to remain on the site. The contractor would need to have vibration measurements taken on the site when heavy equipment or vibration intensive activities occurs near (i.e., less than 30 feet horizontal distance) to these three buildings. Vibration measurements will be recorded and compared to the vibration thresholds appropriate for the building that may be impacted. Vibration records shall be submitted to the City once a week. The appropriate vibration thresholds are as follows: 0.12 peak particle velocity (PPV) for 501 and 523 South Arroyo Parkway and 0.30 PPV for Whole Foods Market. The Applicant shall be responsible for preparing a Monitoring Plan, describing the proposed location of vibration monitors, the timing of monitoring, collecting vibration records (including date, time, activity that precipitated the monitoring, and who recorded the vibration level), to whom and when the monitoring records will be submitted, and any remedial actions needed because of vibration readings. The Monitoring Plan is subject to review and approval by City staff and will be submitted prior to initiation of any construction activity on the site.

If vibration levels are below these thresholds, it is permissible to have construction activity with large (over 29,000 pounds) equipment, jackhammers, and/or loaded trucks within the setback distances included in item 1 above. Additionally, vibration monitoring shall guide construction activity near the perimeter of these buildings during subterranean excavation and construction activity. If vibration levels are found to exceed the applicable threshold, then the associated construction activity shall immediately halt, and alternative methods for achieving the construction activity shall be determined and employed to reduce the construction-generated vibration exposure to the building(s) to less than the thresholds. While the specific alternative methods to be employed cannot be foreseen, as it would be depending on situation-specific factors, the performance objective of maintaining activity that results in vibration below the applicable thresholds shall guide all decisions.

- (3) If cosmetic damage does occur to one or more of these three buildings because of vibration from Project-related construction activities despite setbacks and monitoring, the Project Applicant shall be responsible for

restoring the damage. Cosmetic damage includes things like, for example, cracks in paint/plaster, fallen plaster/stucco from a facade, and cracked glass. Specifically, any restorations to Whole Foods Market shall be implemented to return the damaged area to the same condition (e.g., materials, colors, style) as present at the start of construction. Any restorations to the buildings at 501 and 523 South Arroyo Parkway shall conform to the Secretary of the Interior's Standards for the Rehabilitation and Guidelines for Rehabilitating Historic Buildings (Weeks and Grimmer 1995) (Standards), and the determination of whether the planned restorations is consistent with the Standards shall be made by a qualified historic preservation professional meeting the Secretary of the Interior's Professional Qualifications Standards for architectural history or historic architecture (Professional) and to the satisfaction of the City. The restorations to the historic buildings, if necessary, may be either to the conditions present before construction was initiated or, if the planned updates to these buildings are underway may be conducted to meet proposal conditions.

The City of Pasadena Planning & Community Development Department shall be responsible for ensuring these requirements are included in the construction specifications prior to any demolition activity on the site. The Project Applicant and the City's inspector assigned to the Project shall also be responsible for ensuring these measures are consistently implemented throughout the construction period.

3.7.8 LEVEL OF SIGNIFICANCE AFTER MITIGATION

Less than significant.

3.7.9 SUMMARY OF ANALYSIS

Project

Construction of the Project would result in less than significant construction noise generation (see Table 3.7-4). Off-site noise from the addition of construction-related truck trips would not be audible. Estimated vibration levels when construction activities occur under the closest distance to each receptor would not exceed the vibration annoyance criteria (see Table 3.7-9) but may exceed the building damage threshold at remaining on-site structures within the Project site (i.e., Whole Foods Market and 501 and 523 South Arroyo Parkway) during construction activity in close proximity. Therefore, MM NOI-1 requires the construction specifications to include the following: "Construction equipment shall observe setback distances of 30 feet for equipment equivalent to a large bulldozer (29,000 pounds or more) and 20 feet for jackhammers and loaded trucks. Small dozers and other equipment with vehicle weights of less (29,000 pounds) are not anticipated to result in substantial levels of vibration that could cause building damage". Operation of the Project would result in less than significant operational noise, both from on-site stationary noise sources and off-site traffic noise. With implementation of MM NOI-1, there would be less than significant noise and vibration impacts related to construction and operation of the Project.

Project with Building A Residential/Commercial

The analysis of construction noise and vibration and operational noise for the Project with Building A Residential/Commercial would be essentially the same as the analysis of the Project. As discussed above, the differences in construction scenario and land uses between the two scenarios do not materially affect the results of the analysis. As with the Project, approval MM NOI-1 requires the construction specifications for the Project with Building A Residential/Commercial would be required to include the following: "Construction equipment shall

observe setback distances of 30 feet for equipment equivalent to a large bulldozer (29,000 pounds or more) and 20 feet for jackhammers and loaded trucks. Small dozers and other equipment with vehicle weights of less (29,000 pounds) are not anticipated to result in substantial levels of vibration that could cause building damage". With implementation of MM NOI-1, there would be less than significant noise and vibration impacts related to construction and operation of the Project with Building A Residential/Commercial.

3.7.10 REFERENCES

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- United States Environmental Protection Agency (USEPA). 1971 (December 31). *Noise from Construction Equipment and Operations, Building Equipment, and Home Appliances*. Washington, D.C.: USEPA.

3.8 PUBLIC SERVICES AND RECREATION

This section discusses the existing public services in the City of Pasadena and addresses potential impacts associated with the proposed Project and Project with Building A Residential/Commercial to the following services:

- Fire protection and emergency medical services (Pasadena Fire Department);
- Police protection services (Pasadena Police Department);
- School services (Pasadena Unified School District);
- Library services (Pasadena Public Library); and
- Parks and recreation services (City of Pasadena Parks, Recreation, and Community Services Department).

Information in this section is derived from the above-referenced public service providers, their websites, and the *City of Pasadena General Plan* and its Environmental Impact Report (EIR).

3.8.1 EXISTING CONDITIONS

Fire Protection

Fire protection and emergency medical services in the City are provided by the Pasadena Fire Department (PFD). The PFD is an “all-risk” fire department providing the community it protects with services that include fire suppression, emergency medical services (EMS), technical rescue (Urban Search and Rescue), and first-responder hazardous materials response. The PFD provides fire protection services with the capability of mitigating fire incidents within structures, vehicles, vegetation and the wildland-urban interface zone.

Depending on the risk, type, and location of the incident, resources can be dispatched from among the PFD’s eight advanced life support (ALS) engine companies (minimum one paramedic), five rescue ambulances staffed with two advanced life support firefighter paramedics, two trucks, and Battalion Chief. The PFD provides EMS to meet the standards set forth by the Los Angeles County Department of Health Services, Emergency Medical Services Agency, and provide 24-hour emergency response, treatment, transport of the ill and injured in the community. A 911 call for medical assistance receives a paramedic ambulance and an engine or truck, providing a minimum of two paramedic and four firefighter emergency medical technicians (EMTs), for exceptional patient care. Cross staffing provides a Type 1 Heavy Urban Search and Rescue, water tender, brush patrol, strike team command vehicle, and jumper support vehicle. The PFD has five reserve engines, two reserve trucks, fire reserve rescue ambulances, and a reserve command vehicle.

The PFD has California Governor’s Office of Emergency Services (Cal-OES) Type I Heavy Urban Search and Rescue that is available for response to incidents involving swift water rescue, structural collapse, trench rescue, confined space rescue, technical rope rescue, mountain rescue, and mass transit accident stabilization/rescue. All PFD personnel are trained at the Type-3 Light Operational Level per Cal-OES allowing for immediate action on technical rescue incidents involving low angle rope rescue and collapse or failure of light frame construction with the necessary equipment located on all frontline engines and trucks.

There are eight PFD stations in the City, and three of the eight stations serve the Project site and surrounding area, as summarized in Table 3.8-1 on the following page.

**TABLE 3.8-1
PASADENA FIRE DEPARTMENT FACILITIES SERVING THE PROJECT SITE**

Station No. and Address	Equipment and Personnel	Distance and Direction from Site
Fire Station 31 135 South Fair Oaks Avenue	1 Fire Engine (4 personnel) 1 Ladder Truck (4 personnel) 1 Advanced Life Support Rescue Ambulance (2 personnel) 10 Personnel Assigned Total	Approximately 0.4 mile to the northwest
Fire Station 34 1360 East Del Mar Avenue	1 Fire Engine (4 personnel) 1 Advanced Life Support Rescue Ambulance (2 personnel) 1 Battalion Chief (1 personnel) 7 Personnel Assigned Total	Approximately 1.5 miles to the east-northeast
Fire Station 39 50 Avenue 64	1 Fire Engine (4 personnel) 4 Personnel Assigned Total	Approximately 1.8 miles to the west-northwest

Additionally, the PFD through the Area C Unified Response Agreement and various mutual aid and automatic aid agreements has access to the following specialty units:

- Aircraft Rescue & Firefighting Apparatus
- Air/Light Utility
- Hazmat (Type 1 from Burbank and Glendale)
- Heavy Rescue (LAFD/LA County Fire)
- Regional Task Force (RTF-4 USAR Specialty Units)
- Type III Brush Engine, Water Tenders, Patrols

The PFD also joined with the Burbank Fire Department and Glendale Fire Department to create the Verdugo Fire Communications Center (VFCC) in 1979. The communications center now dispatches for a total of 13 agencies. There are automatic and mutual aid agreements in place so that the closest unit is dispatched to a given call, regardless of department. The PFD has various automatic aid agreements with each of the cities within the VFCC agencies and the Hollywood Burbank Airport for fire protection. The PFD maintains a Memorandum of Understanding for Exchange of EMS and Rescue Services through Automatic Aid/Initial Action and EMS Training Procedures between the cities of Pasadena, South Pasadena, San Marino, and San Gabriel. Additional emergency medical services response is provided via the closest unit model achieved through the agreements of the 13 agencies making up the VFCC. Additionally, the PFD has various automatic and/or mutual aid agreements with the U.S. Forest Service, City of Los Angeles Fire Department, and Los Angeles County Fire Department for fire protection needs. The PFD relies on the California Fire Service and Rescue Emergency Mutual Aid Plan for major disasters beyond local control (i.e., major emergencies, natural disasters, sabotage, civil disturbance, political violence and terrorism, attack).

There are no federal or state regulations directing the level of service response times and outcomes, but the National Fire Protection Association (NFPA) Fire Code is a nationally recognized standard. NFPA 1710 states that a unit (i.e., engine company or ladder truck company) should arrive at the scene of a critical emergency in 8 minutes from time of call receipt in fire dispatch and remaining first alarm units (effective response force) in 12 minutes, 90 percent of the time, where the benchmark travel time is 4 minutes for the first unit on scene and 8 minutes for the effective fire force. PFD's response time standard for emergency calls is that a fire engine arrives at the scene of an emergency within 5 minutes of dispatch 90 percent of the time. In the 2019 fiscal year, the response time for fire calls averaged 8 minutes 57 seconds and for medical calls averaged 6 minutes 29 seconds (PFD 2020).

Police Protection

The Pasadena Police Department (PPD) is a full-service law enforcement agency with the capability of responding to and fully investigating any type of call for service or crime incident that occurs within the City limits. The PPD is well equipped with sufficient vehicles, resources, and facilities (including a Type I jail) to accomplish any essential law enforcement task or mission. The PPD has several specialized assignments that allow it to address community concerns and critical incidents that occur within the City. Examples of these assignments include Special Weapons and Tactics (SWAT), Traffic Section, Neighborhood Services Section, Criminal Investigations Unit, and Air Operations Section.

There are frequent calls to the police department from businesses in the Project area related to the unhoused loitering in the area and transients causing disturbances with both the businesses and patrons. The objective is to find permanent housing for the unhoused and services for the transients through outreach, partnering with non-profits, other City entities, and the Los Angeles County Mental Health Department.

The PPD has mutual aid agreements with other police agencies that immediately surround the City. The PPD is the lead agency in mutual aid area "C" and has ready access to additional police resources, when and if needed. Additionally, the PPD has a mutual aid agreement with the Los Angeles County Sheriff's Department (LACSD) for general law enforcement services, if needed. The LACSD provides law enforcement service to the Metro "L" Line (formerly known as the Gold Line) adjacent to the Project site via a memorandum of understanding.

PPD classifies priority calls for police services into three categories:

- Priority 1: High priority classification, in progress crime with immediate threat to human life. PPD's response time standard for Priority 1 calls is 6 minutes or less.
- Priority 2: In progress crime with threat to property and suspect on scene.
- Priority 3: Priority call due to classification but no suspect on scene.

Schools

The Pasadena Unified School District (PUSD) provides public Transitional Kindergarten–12th grade education to more than 15,350 students in a 76-square mile area that includes the City of Pasadena, City of Sierra Madre, and unincorporated areas of Los Angeles County including Altadena. PUSD has a total of 23 schools, including 13 elementary schools (grades K-5), 1 K-8 school, 3 middle schools (grades 6-8), 2 high schools (grades 9-12), 1 continuation high school, and 1 alternative education program. In addition to these schools, PUSD also operates Focus Point Academy, an Adult Living Skills Center, four Early Childhood Education Centers, Transitional Kindergarten programs, and Twilight Adult Education. The administrative offices for Options For Youth Public Charter Schools is located in Pasadena at 320 North Halstead

Street, Suite 280. Opportunities for Learning Public Charter Schools operates one charter school in the City through the Duarte Unified School District for grades 7-12 at 2029 Lincoln Avenue.

Table 3.8-2 summarizes the PUSD schools that would serve school-age children generated by land uses on the Project site.

**TABLE 3.8-2
PASADENA UNIFIED SCHOOL DISTRICT FACILITIES SERVING THE
PROJECT SITE**

School Name and Address	2020 School Year Enrollment
McKinley Elementary School 325 South Oak Knoll Avenue Grades K-8	944
Blair Middle & High School 1201 South Marengo Avenue Grades 6-12	1,015
Source: California Department of Education (CDE). 2021 (October 15, last accessed). <i>California School Dashboard</i> . Sacramento, CA: CDE. California School Dashboard (CA Dept of Education) (caschooldashboard.org) .	

Parks and Recreational Facilities

City of Pasadena

Although the City is generally built out, it features an extensive system of parkland that includes City parks, trails systems, and larger open space corridors that traverse large swathes of the City. Pasadena's location at the southern edge of the San Gabriel Mountains provides residents with numerous hiking, biking, and equestrian opportunities. The City provides approximately 391 acres of parks and 502 acres of open space areas (Pasadena 2015).

The Green Space, Parks and Recreation Element of the City's General Plan states that an acceptable walking distance to a park is considered a 0.5-mile radius from a site. The City of Pasadena Parks, Recreation, and Community Services Department has identified the three community parks within a 0.5- to 0.7-mile radius of the Project site, summarized in Table 3.8-3 below, as the primary facilities serving the Project site.

**TABLE 3.8-3
CITY OF PASADENA PARKS AND RECREATION FACILITIES SERVING THE
PROJECT SITE**

Facility Name, Address, and Distance from Site	Amenities	Size (Acres)
Central Park 275 South Raymond Avenue 0.2-mile to the northwest	<ul style="list-style-type: none"> • Picnic tables, rose garden, children's playground, and lawn bowling greens with a club house operated by the Pasadena Lawn Bowling and Croquet Club. • 3-4 full time staff for park maintenance • Central Park Center is located at the south end of Central Park. The center provides after school care and youth camp administrative offices for the Park, Recreation, and Community Services Department. • 4 full time staff 	9.2
Memorial Park 85 East Holly Street 0.7 mile to the north	<ul style="list-style-type: none"> • Picnic tables, children's playground, exercise equipment and a band shell with seating. • 3-4 full time staff for park maintenance • The Pasadena Senior Center is located on the south end of the park which is independently operated by a non-profit to provide social services, programs and activities for seniors age 50 and older. 	5.3
Singer Park Southwest corner of California Boulevard and St. John Avenue 0.4 mile to the west	<ul style="list-style-type: none"> • Children's playground, covered seating areas, picnic tables, and passive recreation opportunities • 2-3 full time staff for park maintenance 	2.9

For maintenance purposes, the three parks mentioned are serviced by full time staff to ensure that the quality of the physical space and any structures within the park boundaries are maintained, and inquiries from the public are addressed within 48 hours.

The City of Pasadena does not have a minimum standard of parkland per capita. Rather, policy GSRP 6.3 of the Green Space, Recreation, and Parks Element of the City's General Plan identifies the City's parkland policy as: "Adequate Developed Parkland. Acquire or otherwise make available local parkland and open spaces in sufficient quantity to meet the community demand for facilities and programs identified in the Master Plan" (Pasadena 2015).

Other Parks and Open Space Facilities

The City of Pasadena and the Pasadena Unified School District (PUSD) maintain joint-use agreements permitting public use of the following PUSD facilities:

- Madison School/Park, 515 Ashtabula Street,
- Linda Vista Park, 1200 block of Linda Vista Avenue (former elementary school),
- McKinley School Park, 325 South Oak Knoll Avenue,
- John Muir High School Tennis Courts, 1905 North Lincoln Avenue, and
- Pasadena High School Tennis Courts, 2925 East Sierra Madre Boulevard (Pasadena 2015).

The Angeles National Forest (ANF), which spans about 700,000 acres, mostly in the San Gabriel Mountains, borders part of the north City boundary. The ANF offers 557 miles of hiking and equestrian trails, including 73 miles of National Recreation Trails and 176 miles of the Pacific Crest Trail (PCT); and 58 campgrounds (Pasadena 2015).

Other Public Facilities

For purposes of this Draft EIR, other public facilities refer to library services. The Pasadena Public Library (PPL) provides library services to City residents. PPL has a central library location (Central Library) and nine branch libraries, which are located so that all residents are within a mile from a library or within walking distance. PPL provides a variety of services and programs to meet each community's information needs. Programs are geared toward adults and children, service to the homebound, preschool story hours, and the Summer Reading Program.

The Project site falls between the Central Library and Allendale Branch Library service areas. Central Library is located approximately 0.8 mile to the north-northeast, and Allendale Branch Library is located approximately 0.7 mile to the south-southeast. It is noted that Central Library is currently closed for a seismic retrofit but will reopen. Also, many library resources are available 24 hours 7 days a week (24/7) virtually, including e-books, audiobooks, magazines and comics, and streaming music and video.

The Central Library is the main facility in the City and is over 100,000 square feet (sf) and houses over 300,000 collections. Central Library has provided a wide variety of programs and services for almost 100 years. Annually, 30,000-40,000 community members attend story times, author visits, cultural events, Art Night, recitals, plays, and many other programs. Central Library has also served as the hub of Pasadena's local history archives, providing valuable historical documents, newspaper, photos, and research. This facility also serves as a destination for those who need computer and/or WiFi access, providing highspeed internet access, computers, and a variety of productivity software for job searching, research, or personal use. For the last two years, Central Library has housed the iLab—an innovative space that provides the community with access to maker equipment like 3-D printers, Carvey machines, sewing machines, and more. In addition, Central Library is the home of the Office of the Young Child—a City wide systems-change initiative to bring all resources and activities for zero- to five-years-old children and their families together.

The Allendale Branch Library, located at 1130 South Marengo Avenue, is 3,172 sf with a 23,500-item collection and 4.8 full-time equivalent (FTE) staff. Allendale Branch is significantly smaller than Central Library but provides access to an extensive materials collection and programming that support the needs of neighboring high school students.

The PPL does not have one systemwide standard for square footage of library space per person; library space needs are determined individually for the service area of each branch. According to PPL, the total library facility square footage and collections are adequate to serve Pasadena's existing population and sufficient to support a population of up to a least 175,000 (as of 2013). Additionally, PPL adds approximately 60,000 items per year to its collection, which is expected to increase as titles continue to move toward electronic format. PPL's total collection exceeds national per capita standards at the time the General Plan Environmental Impact Report (EIR) was prepared (Pasadena 2015).

3.8.2 RELEVANT PROGRAMS AND REGULATIONS

State

California Disaster and Civil Defense Master Mutual Aid Agreement

The California Disaster and Civil Defense Master Mutual Aid Agreement is an agreement between the State of California, its various departments and agencies, and the various political subdivisions, municipal corporations, and other public agencies of the State of California. The agreement allows for the use of all the resources and facilities of the participating agencies in

preventing and combating the effect of disasters, such as flood, fire, earthquake, pestilence, war, sabotage, and riot. It commits the participating agencies to voluntarily aid and assist each other in the event of a disaster, through the interchange of services and facilities, including fire, police, medical and health, communication, and transportation services and facilities, as necessary to provide rescue, relief, evacuation, rehabilitation, and reconstruction.

Assembly Bill 2926

The State has traditionally been responsible for funding local public schools. To assist in providing facilities to serve students generated by new development projects, the State passed Assembly Bill (AB) 2926 in 1986. This bill allows school districts to collect impact fees from developers of new residential and commercial/industrial building space to fund school construction and reconstruction. AB 2926 also established maximum fees (adjusted for inflation) which can be collected under this and any other school fee authorization.

Senate Bill 50

Senate Bill (SB) 50 (or “Leroy Greene School Facilities Act”) and Proposition 1A (both of which passed in 1998) provide a comprehensive school facility financing and reform program by, among other methods, authorizing both a \$9.2 billion school facilities bond issue and school construction cost containment provisions. Specifically, the bond funds are to provide for new construction and for reconstruction/modernization needs. The provisions of SB 50 (1) prohibit local agencies from denying either legislative or adjudicative land use approvals on the basis that school facilities are inadequate and (2) reinstate the school facility fee cap for legislative actions (e.g., general plan amendments, specific plan adoption, zoning plan amendments). According to Section 65996 of the *California Government Code*, the development fees authorized by SB 50 are deemed to be “full and complete school facilities mitigation”.

SB 50 establishes three levels of developer fees that may be imposed upon new development by a school district’s governing board. Beginning in 2000, the maximum allowable amount of Level 1 developer fees is adjusted every two years based on the change in the statewide cost index for class B construction per Section 65995(b)(3) of the Government Code (OPSC 2021). These fee levels depend upon certain conditions within a district. For year 2020, these three levels currently include the following:

- Level 1:** Level 1 fees are the base statutory fees. Level 1 fees are \$4.08 per square foot (sf) for new residential development and \$0.66 per sf of chargeable, covered, and enclosed floor space for new commercial/industrial development. These amounts represent the maximum that can currently be legally imposed upon new development projects by a school district unless the district qualifies for a higher level of funding. Payment of this fee is deemed to constitute full, complete, and adequate mitigation of a project’s impacts on school facilities.
- Level 2:** Level 2 fees allow a school district to impose developer fees above the statutory levels up to 50 percent of school construction costs under designated circumstances. The State provides grant amounts for new school construction if funds are available.
- Level 3:** Level 3 fees apply if the State runs out of bond funds, allowing a school district to impose 100 percent of the cost of the school facility or mitigation on the developer minus any local dedicated school monies. However, Senate Bill 1016 (Chapter 38, Statutes of 2012) suspended the ability of school districts to levy Level III fees.

To accommodate students from new development projects, school districts may alternatively finance new schools through special school construction funding resolutions and/or agreements

between developers, the affected school districts and, occasionally, other local governmental agencies. These special resolutions and agreements often allow school districts to realize school mitigation funds in excess of the developer fees allowed under SB 50.

Measure TT Master Plan

In 2008, voters in the PUSD service area approved Measure TT, authorizing PUSD to sell up to \$350 million in bonds to be repaid through a property tax increase. Types of improvements to schools financed by Measure TT bonds include new, modernized, and reconfigured school buildings; upgrades to lighting, heating, ventilation, air conditioning, and electrical systems; seismic upgrades; new parking lots; and Americans with Disabilities Act access improvements.

Quimby Act

California allows a City or County to pass an ordinance that requires, as a condition of approval of a subdivision, either the dedication of land, the payment of a fee in lieu of dedication, or a combination of both for park and recreational purposes (Section 66477 of the *California Government Code*). This legislation, commonly called the “Quimby Act,” establishes a standard of 3 acres of parkland per 1,000 residents for new subdivision development unless the municipality has already established a higher rate, unless the amount of existing neighborhood and community park area exceeds that limit, in which case the city may adopt a higher standard not to exceed 5 acres per 1,000 residents. The Quimby Act also specifies acceptable uses and expenditures of such funds.

California Public Park Preservation Act

The primary instrument for protecting and preserving parkland is California’s Public Park Preservation Act of 1971. Under the Public Resources Code, cities and counties may not acquire any real property that is in use as a public park for any nonpark use unless compensation, land, or both are provided to replace the parkland acquired. This provides no net loss of parkland and facilities.

City

Pasadena Municipal Code

Chapter 4.17 et. seq. of the Pasadena Municipal Code (PMC) establishes the City’s park acquisition fund and requires that moneys received from the sale of dedicated parkland be deposited in the fund for park acquisition and development. The City collects park impact fees for new residential development to offset the increased demand for parks and impact on existing parks. The fees are used to fund parkland acquisition and capital improvements while interest from the fees can be used to pay for maintenance. The ordinance requires that any person developing new housing units pay an impact fee, which is included as a condition of approval when subdividing a parcel or as a prerequisite for obtaining a building permit. Impact fees are paid into a special fund maintained by the City Director of Finance and disbursed to pay for park or recreational facility improvements, as outlined in the PMC. Impact fees are valued based on the number of bedrooms in each new residential unit.

In 2000, the Pasadena City Council established three park impact districts: West, Central, and East. Marengo Avenue and Allen Avenue from the northern to the southern City limits serve as the dividing lines for the districts. A total of 90 percent of the residential impact fee collected in a park impact district must be spent on neighborhood and community parks in that district. The remaining 10 percent of the funds are distributed to the citywide parks, which include

Hahamongna, Central Arroyo, and Lower Arroyo. Interest earned on the funds collected may be used to maintain any park or any capital improvement located in any park.

Green Space, Recreation and Parks Master Plan

Pasadena's Green Space, Recreation and Parks Master Plan (GSRPMP) was approved and adopted in November 2007. The plan was developed in tandem with the City's previous General Plan Green Space Element and was the result of a three-year effort to determine the community's goals and objectives for natural open space, parks, recreational facilities, and recreational programs. The vision statement for the plan is: "To create, maintain, protect, and restore an interrelated system of parks, trails, and natural open spaces. To provide recreational opportunities which sustain a vibrant and healthy community with an emphasis on ecologically sensitive public enjoyment and education" (Pasadena 2015).

In addition to this vision statement, the GSRPMP identifies nine core principles, and all nine principles are meant to respond to challenges faced by the City related to the provision of recreational facilities and programs, which include high population densities and a "built out" community. The GSRPMP includes an extensive inventory of existing parks, open space areas, and recreational programs in the City. It also summarizes the public outreach process and feedback. Lastly, it provides a detailed community needs assessment. The community's needs are compared against the City's inventory of existing facilities and programs to establish gaps, deficiencies, priorities, and recommendations for recreation, parks, and open space. Recommendations outline sources of funding for the provision of parks and services in Pasadena. The GSRPMP is designed to be consistent with existing long-range plans for specific open space areas in the City.

3.8.3 THRESHOLDS OF SIGNIFICANCE

The following significance criteria are derived from Appendix G of the State CEQA Guidelines. A project would result in a significant adverse public services and recreation impact if it would:

- Threshold 3.8a:** Result in substantial adverse physical impacts associated with the provision of new or physically altered government facilities, need for new or physically altered government facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times, or other performance objectives for any of the public services:
- i) Fire protection;
 - ii) Police protection;
 - iii) Schools;
 - iv) Parks; and/or
 - v) Other public facilities.
- Threshold 3.8b:** Increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated.
- Threshold 3.8c:** Include recreational facilities or require the construction or expansion of recreational facilities which might have an adverse physical effect on the environment.

3.8.4 METHODOLOGY

The public service providers were consulted for information regarding current services and to determine if the proposed Project or Project with Building A Residential/Commercial would significantly impact the respective providers' abilities to provide services such that new or physically altered facilities would be required, whose construction could result in an environmental impact. Other information presented in this section was derived from the City's website and the adopted General Plan and related EIR.

3.8.5 ENVIRONMENTAL IMPACTS

Threshold 3.8a: Result in substantial adverse physical impacts associated with the provision of new or physically altered government facilities, need for new or physically altered government facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times, or other performance objectives for any of the public services:

- i) Fire protection;
- ii) Police protection;
- iii) Schools; and/or
- v) Other public facilities.¹

Fire Protection and Emergency Medical Services

Project

The PFD reports that the Project site is: (1) in an area serviced by a sufficient hydrant system as needed to achieve necessary fire flows, (2) the main thoroughfares running north-south and east-west, provide adequate access for PFD vehicles, and (3) fire and emergency medical response to the area are within desired response times.

The PFD anticipates that the Project would result in an increased call for fire protection and emergency medical services because there would be larger development on the site than the existing conditions; however, the increase would not result in the need to construct new or expanded facilities whose construction may cause an environmental impact. The Project would be required to comply with regulations related to fire protection and be subject to the City's routine construction permitting process. This includes a review by PFD for compliance with building and site design standards related to fire life safety and coordination with Pasadena Water and Power (PWP) to ensure that local fire flow infrastructure meets current code standards for the type and intensity of land uses involved. PFD did note that the addition of one rescue ambulance may be required due to the expected increase in medical-related calls. The new land uses would contribute to the City's general fund through payment of taxes; the general fund is the primary source of PFD's annual budget and would address the need for additional equipment. The potential need for additional equipment does not represent an environmental impact. There would be less than significant impacts related to the need for new or expanded PFD facilities, and no mitigation is required.

¹ Parks is addressed further below

Project with Building A Residential/Commercial

The PFD indicates that analysis of the Project with Building A Residential/Commercial would be essentially the same as that of the Project. The only difference is that this scenario would result in a relatively greater increase in fire and emergency medical services because there would be a larger development on the site than the existing conditions. Like the Project, the Project with Building A Residential/Commercial would not result in the need to construct new or expanded PFD facilities whose construction may cause an environmental impact. The Project with Building A Residential/Commercial would be required to comply with regulations related to fire protection and be subject to the City's routine construction permitting process. This includes a review by PFD for compliance with building and site design standards related to fire life safety and coordination with PWP to ensure that local fire flow infrastructure meets current code standards for the type and intensity of land uses involved. PFD did note that the addition of one rescue ambulance may also be required for this scenario due to the expected increase in medical-related calls. The new land uses would contribute to the City's general fund through payment of taxes; the general fund is the primary source of PFD's annual budget and would address the need for additional equipment. The potential need for additional equipment does not represent an environmental impact. There would be less than significant impacts related to the need for new or expanded PFD facilities, and no mitigation is required.

Police Protection***Project***

The PPD anticipates that the Project would result in an increase in calls for service in and around the site, primarily due to traffic (i.e., traffic stops, accidents), potential theft on the premises and in vehicles, and disturbances related to unhoused individuals. PPD states that whenever additional businesses and/or residents move into an area, there is a presumption that calls for service increase. To minimize the increase to the extent possible, PPD suggests consulting with their personnel specially trained in Crime Is Prevented through Environmental Design (CPTED) as part of Project design. However, the PPD does not indicate the Project would result in the need to construct new or expanded facilities to provide adequate police protection services. Generally, an increase in calls does not cause a need for new or expanded physical facilities because police called to a scene are typically out on the street and not at a police station and are on rotating shifts. This is consistent with the conclusion of the General Plan EIR, which states that although new officers (45) and new employees (20) would be required with buildout of the General Plan, "Given this level of staff increase, the field-nature of certain officers, the rotating daily shifts of police personnel, and the Department's [PPD's] existing facilities, no new or expanded police stations or other physical facilities are expected to be necessary" (Pasadena 2015). As such, implementation of the Project would not result in the construction of new or expanded police facilities that may cause an environmental impact. There would be less than significant impacts related to the need for new or expanded PPD facilities, and no mitigation is required.

Project with Building A Residential/Commercial

According to PPD, the analysis of the Project with Building A Residential/Commercial would not be different than the Project. Like the Project, the Project with Building A Residential/Commercial would not result in the need to construct new or expanded PPD facilities, the construction of which may cause an environmental impact. There would be less than significant impacts related to the need for new or expanded PPD facilities, and no mitigation is required.

Schools

Project

The Project would not generate school-age children that would utilize PUSD schools or programs, as the only dwelling units proposed are for senior-age persons. Also, as allowed under the SB 50, school districts serving the City can assess school impact fees based on the floor area of new dwelling units and non-residential developments. These fees, to be remitted prior to issuance of building permits, are used to fund school services and facilities needed to provide the necessary school services. There would be no impact, and no mitigation is required.

Project with Building A Residential/Commercial

The Project with Building A Residential/Commercial would result in a maximum of 197 residential units that could generate school-age children. As allowed under the SB 50, school districts serving the City can assess school impact fees based on the floor area of new dwelling units and non-residential developments. These fees are used to fund school services and facilities needed to provide the necessary school services. These fees would be remitted prior to issuance of building permits. In addition to SB 50 fees, State and local bond measures have been passed, and may be passed in the future, to fund additional school facilities. As discussed above, the payment of statutory school fees is “full and complete mitigation of the impacts”. The *California Education Code* and *California Government Code* do not require the dedication of land or payment of fees in excess of statutorily established school fees. Thus, impacts on school services from future residential development under the Project with Building A Residential/Commercial would be less than significant with payment of required SB 50 fees, and no mitigation is required.

Other Public Facilities

Project

While the Project would result in an increase in the population being served by the PPL, as noted above, the PPL’s total collection exceeds national per capita standards at the time the General Plan EIR was prepared (Pasadena 2015). As such, the PPL concluded that the Project’s population would be adequately served by the existing facilities and related collections. The PPL indicates that implementation of the Project would not result in the need to construct new or expanded PPL facilities, the construction of which may cause an environmental impact. There would be a less than significant impact, and no mitigation is required.

Project with Building A Residential/Commercial

When compared to the Project, this scenario would result in a greater increase of the on-site resident population and, therefore, likely a greater use of library services. However, the PPL indicates that implementation of the Project with Building A Residential/Commercial also would not result in the need to construct new or expanded PPL facilities, the construction of which may cause an environmental impact. There would be a less than significant impact, and no mitigation is required.

Threshold 3.8a: Result in substantial adverse physical impacts associated with the provision of new or physically altered government facilities, need for new or physically altered government facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable

service ratios, response times, or other performance objectives for any of the public services:

iv) Parks;

Threshold 3.8c: Include recreational facilities or require the construction or expansion of recreational facilities which might have an adverse physical effect on the environment.

Project

The City's Parks, Recreation, and Community Services Department does not have a minimum service ratio for parks. As discussed above, there are three community parks within a 0.5- to 0.7-mile radius of the Project site. It is noted that the furthest community park, Memorial Park, is situated adjacent to Memorial Station on the Gold (L) Line. Also, approximately 31,605 sf of open space, including public and private (solely for resident and staff use), would be provided across the site as part of the Project. The City's Parks, Recreation, and Community Services Department concluded that the small increase in population associated with the Project would not result in the need for new or expanded off-site park facilities. Therefore, there would be less than significant impacts related to the need for new or expanded parks facilities, and no mitigation is required.

Project with Building A Residential/Commercial

As discussed, there are three community parks within a 0.7-mile radius of the site, with the furthest park being adjacent to the Memorial Gold (L) Line station. Also, approximately 31,605 sf of open space, including public and private (solely for resident and staff use), would be provided across the site as part of the Project with Building A Residential/Commercial. Although the resident population of the Project with Building A Residential/Commercial is higher than for the Project, the City's Parks, Recreation, and Community Services Department also concluded that the increase in population associated with the Project with Building A Residential/Commercial would not result in the need for new or expanded parks facilities. Therefore, there would be less than significant impacts related to the need for new or expanded off-site parks facilities, and no mitigation is required.

Threshold 3.8b: Increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated.

Project

The residents generated by up to 95 independent living senior units would likely use both existing and future parks and recreational facilities in the City, as well as facilities in the surrounding area. These include County parks and recreational facilities, private recreational facilities, and recreational areas at the Angeles National Forest.

As discussed above, the City's Pasadena Parks, Recreation, and Community Services Department concluded that the increase in population associated with the Project would not drive the need for new or expanded park facilities. Also, as discussed previously, pursuant to Chapter 4.17 et. seq. of the PMC the City collects park impact fees for new residential developments to offset the increased demand for parks and impact on existing parks. The fees are used to fund parkland acquisition and capital improvements while interest from the fees can be used to pay for maintenance. The ordinance requires that any person developing new housing units pay an impact fee, which is included as a condition of approval when subdividing a parcel or as a prerequisite for obtaining a building permit. Therefore, the additional residents associated

with the Project would not increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facilities would occur or be accelerated. There would be a less than significant impact, and no mitigation is required.

Project with Building A Residential/Commercial

The residents generated by up to 197 units in Building A and up to 95 independent living senior units in Building B would likely use both existing and future parks and recreational facilities in the City, as well as facilities in the surrounding area. As discussed for the Project, the City's Parks, Recreation, and Community Services Department concluded that the contribution of residential growth from the Project with Building A Residential/Commercial is considered small with regard to direct need for City parks. Also, as discussed for the Project, the Project with Building A Residential/Commercial would be required to pay a park impact fee whose purpose is to offset increased demand for parks and impact on existing parks. Therefore, the additional residents associated with the Project with Building A Residential/Commercial would not increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facilities would occur or be accelerated. There would be a less than significant impact, and no mitigation is required.

3.8.6 CUMULATIVE IMPACTS

Fire Protection and Emergency Medical Services

For fire protection and emergency medical services, the service area for consideration of cumulative impacts is the City, which is the PFD service area. For fire protection services, the PFD provides automatic aid as part of the VFCC. The PFD also participates in the State of California Master Mutual Aid program, which is used when all available local resources have been depleted or committed to an incident, allowing the State to coordinate resources available from neighboring counties, as necessary. Thus, future development with buildout of the City of Pasadena General Plan, and the VFCC participating agencies (for which PFD provides mutual aid), would increase the population and introduce structures that would create a demand for fire protection and emergency medical services. This cumulative demand for fire protection and emergency medical services would require additional personnel and resources at individual agencies to provide the same level of service and maintain existing response times. Conversely, the purpose of the VFCC is to provide a localized dispatch center with a borderless system among the participating agencies whereby the nearest available responder to the event, regardless of jurisdictional boundary, would provide the needed fire or emergency services. Essentially, each participating agency has the resources of all other participating agencies available for emergency response.

Individual developments in the City would be required to comply with pertinent provisions of the California Fire Code to prevent the creation of fire hazards, to promote fire safety, and to facilitate emergency response. Each project pursuant to General Plan buildout would be required to comply with regulations related to fire protection and be subject to the City's routine construction permitting process. This includes a review by PFD for compliance with building and site design standards related to fire life safety and coordinating with PWP to ensure that local fire flow infrastructure meets current code standards for the type and intensity of land uses involved. Future development in the City would generate revenues towards the City's general fund (e.g., property taxes, sales tax, business tax) that could potentially be applied toward the funding of PFD fire protection and emergency services. These revenues would help offset the increased demand for PFD services with buildout of the General Plan. Construction and operation of new or expanded facilities, if necessary, as an allowed land use were evaluated throughout the General Plan EIR (Pasadena 2015).

As discussed in the Initial Study, the development of the Project or the Project with Building A Residential/Commercial would be within the remaining development capacity of the General Plan for the Central District Specific Plan. Therefore, the Project or Project with Building A Residential/Commercial would not result in a cumulatively considerable impact to fire protection and emergency medical services, and no mitigation is required.

Police Protection Services

For police protection services, the geographic area for consideration of cumulative impacts is the City, which is the PPD service area. As discussed, the PPD has mutual aid agreements with other police agencies that immediately surround the City and the LACSD is the lead agency in mutual aid area "C".

Individual developments in the City would be reviewed by the PPD and required to comply with any requirements in effect when the review is conducted. Future development in the City would generate revenues towards the City's general fund (e.g., property taxes, sales tax, business tax) that could potentially be applied toward the funding of PPD fire protection and emergency services. These revenues would help offset the increased demand for PPD services with buildout of the General Plan. Construction and operation of new or expanded facilities, if necessary, as an allowed land use were evaluated throughout the General Plan EIR.

As discussed in the Initial Study, the development of the Project or Project with Building A Residential/Commercial would be within the remaining development capacity of the General Plan for the Central District Specific Plan. Therefore, the Project or Project with Building A Residential/Commercial would not result in a cumulatively considerable impact to police protection services, and no mitigation is required.

School Services

For school services, the geographic area for consideration of cumulative impacts is the PUSD service area, which includes the City and some adjacent areas. The General Plan EIR states that PUSD has capacity to accommodate the student population estimated for the City at General Plan buildout, with excess classroom capacity for all grade levels.

Individual developments in the City would be required to pay SB 50 fees as appropriate at the time that project is implemented. Additionally, PUSD can utilize Measure TT funds. As discussed in the Initial Study, the development of the Project or Project with Building A Residential/Commercial would be within the remaining development capacity of the General Plan for the Central District Specific Plan. Therefore, the Project or Project with Building A Residential/Commercial would not result in a cumulatively considerable impact to school services, and no mitigation is required.

Library Services

For library services, the geographic area for consideration of cumulative impacts is the City, as this is the PPL service area. The General Plan EIR states that the existing library system (in 2015) has adequate resources to serve the anticipated population increase with General Plan buildout.

As discussed in the Initial Study, the development of the Project or Project with Building A Residential/Commercial would be within the remaining development capacity of the General Plan for the Central District Specific Plan. Therefore, the Project or Project with Building A Residential/Commercial would not result in a cumulatively considerable impact to library services, and no mitigation is required.

Parks and Recreation Services

For park services, the geographic area for consideration of cumulative impacts is the City, as this is the City's Pasadena Parks, Recreation, and Community Services Department service area. For regional recreational facilities, such as the Angeles National Forest, the geographic area for consideration of cumulative impacts is primarily the San Gabriel Valley, although some users come from further distances to visit the forest.

Individual developments in the City would be required to pay the residential impact fee consistent with the park impact fee nexus study prepared in 2013 and updated every five years. Compliance with the residential impact fee program ensures that there is adequate parkland based on General Plan standards, and that there would not be substantial deterioration of existing facilities (Pasadena 2015).

In addition to City of Pasadena, the surrounding cities, County of Los Angeles, and National Forest Service have policies and programs to maintain and/or develop regional recreation facilities to meet increased demand. It is not expected that there would be regional growth, without some parallel growth of recreation facilities, such that the existing facilities would experience substantial physical deterioration.

As discussed in the Initial Study, the development of the Project or Project with Building A Residential/Commercial would be within the remaining development capacity of the General Plan for the Central District Specific Plan. Therefore, the Project or Project with Building A Residential/Commercial would not result in a cumulatively considerable impact to parks and recreational facilities, and no mitigation is required.

3.8.7 MITIGATION MEASURES

No significant impacts related to public services and recreation would occur, and no mitigation is required.

3.8.8 LEVEL OF SIGNIFICANCE AFTER MITIGATION

Less than significant.

3.8.9 SUMMARY OF ANALYSIS

Project

Through consultation with PFD, PPD, PPL, and City's Parks, Recreation, and Community Services Department, it was determined that implementation of the Project would not result in the need for new or expanded fire protection, police protection, library service, or parks and recreation facilities, the construction of which could cause significant environmental impacts to maintain acceptable performance objectives. The City's Parks, Recreation, and Community Services Department also concluded that implementation of the Project would not increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated. The new land uses would contribute, through payment of taxes, to the City's general fund that can be applied toward the funding of PFD and PPD; and would be required to remit the residential park impact fee to be applied towards City parks and recreation facilities. There would be less than significant impacts related to fire protection and emergency medical services, police protection services, library services, and parks and recreation, and no mitigation is required.

The Project would not generate school-age children that would utilize PUSD schools or programs, as the only dwelling units proposed are for senior-age persons. There would be no impact to PUSD services, and no mitigation is required.

Project with Building A Residential/Commercial

The analysis of the need for new or expanded fire protection services, police protection services, library services, and parks and recreation for the Project with Building A Residential/Commercial would be essentially the same as that of the Project. However, the Project with Building A Residential/Commercial would result in a higher resident population generation. Notwithstanding, the PFD, PPD, PPL, and City Parks, Recreation, and Community Services Department concluded that, as with the Project, there would also be less than significant impacts from this scenario and no mitigation is required.

The Project with Building A Residential/Commercial would generate school-age children and would be required to remit SB 50 fees. Thus, impacts on school services from future residential development under the Project with Building A Residential/Commercial would be less than significant with payment of required SB 50 fees, and no mitigation is required.

3.8.10 REFERENCES

California Department of Education (CDE). 2021 (October 15, last accessed). *California School Dashboard*. Sacramento, CA: CDE. California School Dashboard (CA Dept of Education) (caschooldashboard.org).

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Pasadena Fire Department (PFD). 2020. *Pasadena Fire Department FY2019 Information Sheet*. Pasadena, CA: PFD. pasadena-fire-department-fy2016-information-fact-sheet.pdf (cityofpasadena.net).

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3.9 **TRANSPORTATION**

This section evaluates the impacts of the Project and Project with Building A Residential/Commercial with respect to all transportation modes, including vehicular, transit, bicycle, and pedestrian, and the effects related to freeway on- and off-ramps in the site vicinity. Information in this section is derived primarily from the *Transportation Impact Analysis, CEQA Evaluation, Category 2* (Project TIA), dated November 30, 2020; and the *Transportation Impact Analysis, CEQA Evaluation* (Project with Building A Residential/Commercial TIA), dated June 17, 2021, prepared by the Pasadena Department of Transportation (Pasadena DOT) and included as Appendices G-1 and G-2, respectively, to this Draft EIR.

3.9.1 **EXISTING CONDITIONS**

Street System

The existing street system in the study area consists of freeways, primary, and secondary arterials, and collector and local streets that provide regional, sub-regional, and local access within the Project area. The classifications of the street system in both TIAs are provided below:

- **Raymond Avenue** is a north/south Neighborhood Connector between Corson Street to Del Mar Boulevard, and a City Connector between Del Mar Boulevard to Glenarm Street. Raymond Avenue does not have bike lanes south of Maple Street. It has a speed limit of 35 miles per hour (mph) between California Boulevard and Glenarm Street, and 30 mph between California Boulevard and Green Street.
- **Arroyo Parkway** is a north/south Access Road between Holly Street to Colorado Boulevard, and a City Connector between Colorado Boulevard to the State Route (SR) 110 freeway. In the vicinity of the Project, Arroyo Parkway is a four-lane divided roadway with time limited parking on both sides of the roadway. It has a 35 mph speed limit in the project vicinity. Arroyo Parkway is not designated as a bike lane or route.
- **Marengo Avenue** is a north/south City Connector between Orange Grove Boulevard and Del Mar Boulevard, and a Neighborhood Connector north of Orange Grove Boulevard to the northern City limits and south of Del Mar Boulevard to the southern City limits. Bike lanes are present south of Cordova Street to Glenarm Street.
- **Cordova Street** is a four-lane, east/west Neighborhood Connector with two lanes in each direction. The posted speed limit on Cordova Street is 35 mph. A future road diet is proposed along a section of this roadway, which will include bike lanes.
- **Del Mar Boulevard** is an east/west City Connector that generally offers two lanes in each direction. The speed limit is 35 mph. Del Mar Boulevard is designated as a Class III Bike Route between Saint John Avenue and Wilson Avenue, and a Class III Enhanced Bike Route east of Wilson Avenue.
- **Bellevue Drive** is an east/west Access Road between Arroyo Parkway and Marengo Avenue with parking on both sides of the street. The Arroyo Parkway at Bellevue Drive intersection is a signalized offset intersection.
- **California Boulevard** is an east/west City Connector posted with a 30 mph speed limit. California Boulevard is designated as a Class III Bike Route between Marengo Avenue and Lake Avenue, and a Class III Enhanced Bike Route between Lake Avenue and Allen Avenue.

- **Glenarm Street** is an east/west oriented roadway that is classified as an Access Road between Pasadena Avenue to Fair Oaks Avenue, a City Connector between Fair Oaks Avenue to Arroyo Parkway, and a Neighborhood Connector between Arroyo Parkway to El Molino Avenue. Glenarm Street is designated as a Class III Bike Route between Pasadena Avenue and Marengo Avenue, and a Class II Bike Lane east of Marengo Avenue.

Alternative Transportation Facilities

Transit

The Project area is currently served by the Los Angeles County Metropolitan Transportation Authority (Metro) and Pasadena Area Rapid Transit System (Pasadena Transit). As shown in Table 3.9-1 below, the City identifies three hierarchical levels for transit facilities. Table 3.9-2 on the following page outlines the public transit service within the area.

**TABLE 3.9-1
TRANSIT FACILITIES HIERARCHY**

Level	Facilities Included
1	Includes all Gold (L) Line stops as well as corridors with transit service, whether it be a single route or multiple routes combined, with headways of five minutes or less during the peak periods.
2	Includes corridors with transit headways of between six and 15 minutes in peak periods.
3	Includes corridors with transit headways of 16 minutes or more at peak periods.
Source: Pasadena DOT 2021.	

Transit facilities provided by these agencies within ¼-mile of the Project site include the following:

- Pasadena Transit bus routes 20, 51, 52;
- Metro bus routes 177, 256, 501, 686, and 687; and
- Metro Gold (L) Line (light rail).

**TABLE 3.9-2
EXISTING TRANSIT SERVICE IN THE PROJECT AREA**

Location	Route
Raymond Ave at Del Mar Blvd – East Side	Pasadena Transit bus routes 20, 51, 52 Metro bus routes 177, 256, 501, 686, 687 Metro Gold (L) Line (light rail)
Raymond Ave at California Blvd – Northeast Corner	Pasadena Transit bus routes 51, 52 Metro bus routes 686, 687
Raymond Ave at Fillmore St – East Side	Metro Gold (L) Line
Raymond Ave at Fillmore St – Northeast Corner	Pasadena Transit bus routes 51, 52 Metro bus routes 686, 687
Raymond Ave at Glenarm St – Northeast Corner	Pasadena Transit bus routes 51, 52 Metro bus routes 686, 687
Arroyo Parkway at Del Mar Blvd – West Side	Metro Gold (L) Line
Arroyo Parkway at Del Mar Blvd – Southwest corner	Metro bus route 256
Arroyo Parkway at Bellevue Dr – Southwest corner	Metro bus route 256
Arroyo Parkway at California Blvd – Northside on California Blvd	Metro bus route 256
Arroyo Parkway at California Blvd – Southwest corner – Southeast corner	Pasadena Transit bus route 20
Arroyo Parkway at Fillmore St – Northeast corner – Southwest corner	Pasadena Transit bus route 20
Arroyo Parkway at Fillmore St – West side at cul-de-sac	Metro Gold (L) Line
Arroyo Parkway at Glenarm St – East side – Northwest side	Pasadena Transit bus route 20
Marengo Ave at California Blvd – Southeast corner	Pasadena Transit bus route 20
Source: Pasadena DOT 2021	

Bikeways

Multimodal transportation is encouraged with the availability of bicycle racks on Metro, Pasadena Transit, and City of Los Angeles Department of Transportation (LADOT) buses and at each Metro Gold (L) Line Station. In addition, bicycles are allowed onto Metro Gold (L) Line trains. Currently, 31.7 percent of the Citywide service population (i.e., population + jobs) is located within ¼-mile of Level 1 and 2 bicycle facilities. As shown in Table 3.9-3 below, the City's *Draft Bicycle Transportation Plan* (Bicycle Plan) identified three hierarchical levels for bicycle facilities.

**TABLE 3.9-3
BICYCLE FACILITIES HIERARCHY**

Level	Description	Facilities Included
1	Advanced Facilities	Bike Paths Multipurpose Paths Cycle Tracks/Protected Bike Lanes
2	Dedicated Facilities	Buffered Bike Lanes Bike Lanes Bike Boulevards
3	Basic Facilities	Bike Routes Enhanced Bike Routes Emphasized Bikeways
Source: Pasadena DOT 2021.		

Bikeway facilities within ¼-mile of the Project site include the following:

- Del Mar Boulevard is designated as a Class III Bike Route between Saint John Avenue and Wilson Avenue, and a Class III Enhanced Bike Route east of Wilson Avenue;
- California Boulevard is designated as a Class III Bike Route between Marengo Avenue and Lake Avenue, and a Class III Enhanced Bike Route between Lake Avenue and Allen Avenue;
- Glenarm Street is designated as a Class III Bike Route between Pasadena Avenue and Marengo Avenue, and a Class II Bike Lane east of Marengo Avenue; and
- Bike lanes are present south of Cordova Street to Glenarm Street.

Pedestrian

The pedestrian circulation system in the City is comprised of sidewalks, crosswalks, intersection and mid-block traffic controls, and signal technology. The City determines pedestrian accessibility based on a Pedestrian Accessibility metric, which is discussed further below in Section 3.9.4. The current Pedestrian Accessibility score is 3.88.

Vehicle Miles Traveled and Vehicle Trips

The City of Pasadena *Transportation Impact Analysis Current Practice and Guidelines* (TIA Guidelines) address two vehicular performance metrics: Vehicle Miles Traveled (VMT) per Capita and Vehicle Trips (VT) per Capita, as discussed further below in Section 3.9.4. The existing Citywide VMT per Capita is 22.6, and the existing Citywide VT per Capita is 2.8.

3.9.2 RELEVANT PROGRAMS AND REGULATIONS

State

Senate Bill 743

With its passage in 2013, Senate Bill (SB) 743 reformed the analysis and evaluation of traffic impacts under CEQA. SB 743 requires the Governor's Office of Planning and Research (OPR) to amend the CEQA Guidelines and replace the Level of Service (LOS) metric (i.e., auto delay, congestion) with alternative criteria that encourage reductions in greenhouse gas emissions,

multimodal transportation network-related development, and increased diversity of land uses (OPR 2021). In 2014, the OPR responded by publishing preliminary updates and identifying alternative criteria. The primary metric was identified as vehicle miles travelled (VMT). In 2016, the OPR published a revised proposal that adhered to VMT in evaluating transportation impacts.¹

City

General Plan Mobility Element

The City's General Plan Mobility Element was adopted in 2015 as an update to the 2004 Mobility Element. Based on the City's Guiding Principle related to mobility, Pasadena envisions itself in the future as "a city where people can circulate without cars" (Pasadena DOT 2015). It is noted that this goal is not intended to mean a city where there is an absence of cars, but rather where one could navigate the City without a car if desired.

In addition, the Mobility Element addresses state regulations that have been designed to evaluate transportation needs within the context of the community and regional, and also presents a comprehensive plan to meet such needs. The Mobility Element addresses strategies to promote non-auto travel, public transit services, parking approaches, bicycle facilities, car-sharing programs, and pedestrian components that are coordinated and connected with a regional transportation system.

Pasadena Transportation Impact Analysis Guidelines

The City developed and adopted its *Transportation Impact Analysis Current Practice and Guidelines* to ensure that transportation system improvements necessary to support new development while maintaining the quality of life within the community are identified prior to project approval and funded prior to construction (Pasadena DOT 2015). In supporting the City's vision, the TIA guidelines promote an integrated and multimodal transportation system that provides choices and accessibility for everyone living in and working in the City (Pasadena DOT 2015). For all proposed projects not categorically exempt, transportation impact analyses are an integral part of the environmental review process under CEQA. The City has adopted a set of performance measures and CEQA thresholds that are closely aligned with the Mobility Element objectives and policies. The mobility performance measures assess the quality of walking, biking, transit, and vehicular travel in the City. A combination of vehicular and multimodal performance measures are employed to evaluate system performance in reviewing new development projects. Such measures include VMT per Capita, VT per Capita, Proximity and Quality of the Bicycle and Transit Network, and Pedestrian Accessibility. These performance measures align with the sustainable goals of the General Plan by evaluating the efficiency of project by analyzing the per capita length and number of trips associated with changes in land use. With the expanded emphasis on sustainability and a continued focus on livability, the performance measures inform decisions related to the balance of travel modes and provide further understanding on the community's mobility needs.

The TIA Guidelines apply to all projects that require environmental review in accordance with CEQA and the City's established Environmental Policy Guidelines, significance thresholds, and transportation review guidelines. The TIA Guidelines differentiate between projects that are exempt, within CEQA thresholds, and analyses to be evaluated outside of the CEQA process. As further discussed below, the City's CEQA transportation thresholds determine a project's expected level of impact on the transportation system and identify appropriate types of mitigation.

¹ Governor's Office of Planning and Research, Revised Proposal on Updates to the CEQA Guidelines on Evaluating Transportation Impacts in CEQA, January 20, 2016.

Pasadena Municipal Code

Congestion Management Program

Chapter 10.64 of the Pasadena Municipal Code (PMC) implements the requirements of Metro's Congestion Management Program, in accordance with California Government Code Sections 65089 and 65089.3 and provisions of Metro's model trip-reduction ordinance.

Section 10.64.020 of the PMC requires that certain development project incorporate a Transportation Demand Management (TDM) program plan pursuant to Section 10.64.020 of the PMC. Such projects include mixed-use developments with 50 or more residential units or 50,000 sf or more on non-residential development, or non-residential projects that exceed 75,000 sf. TDM plans must be reviewed and approved by the Director of Pasadena DOT prior to the issuance of a building permit. Thereafter, updates on the implementation of the transportation plan are to be submitted for review and approval annually. TDM plans are required to include project description; site conditions that affect commute travel; and duties, responsibilities, and qualifications of a certified Employee Transportation Coordinator.

The demand for vehicle commute trips must be reduced by ensuring that the design of major residential and non-residential development projects will accommodate facilities for alternative modes of transportation. The TDM plan may include, but is not limited to, the strategies, such as promotional rideshare events, pay parking for employees, guaranteed ride home, private vanpool operations, bikeway linkages to established routes, transit pass and vanpool fare subsidies, reduced-parking fees for non-solo drivers, provision of a certified Employee Transportation Coordinator, and commuter matching service for all employees on an annual basis and new employees upon hiring.

Pedestrian Master Plan

The City's *Pedestrian Master Plan* (Pedestrian Plan) was adopted in 2006. The plan is intended to increase livability and walkability in Pasadena. Among other goals, the plan provides guidance for improved connectivity between the green spaces. The plan seeks to develop pedestrian-friendly projects, better integrate pedestrian improvements into street maintenance and traffic management programs and implement public education and enforcement programs that improve pedestrian safety and increase levels of walking.

Bicycle Transportation Plan

The City's *Bicycle Transportation Plan* (2000 Bicycle Plan) was adopted in 2000 and includes provisions that aim to increase overall recreation opportunities in Pasadena, particularly those related to bicycle lanes, trails, and bicycle infrastructure. An update to the Bicycle Plan is currently being developed by the City.

3.9.3 THRESHOLDS OF SIGNIFICANCE

The following significance criteria are derived from Appendix G of the State CEQA Guidelines. A project would result in a significant adverse transportation impact if it would:

- Threshold 3.9a:** Conflict with a program plan, ordinance or policy addressing the circulation system, including transit, roadway, bicycle and pedestrian facilities;
- Threshold 3.9b:** Conflict or be inconsistent with CEQA Guidelines Section 15064.3, subdivision (b)(1); and/or

Threshold 3.9c: Substantially increase hazards due to a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?

Threshold 3.9d: Result in inadequate emergency access.

The City of Pasadena has adopted transportation performance measures and thresholds of significance to determine transportation and traffic impacts under CEQA. The City's transportation thresholds of significance applicable to the Project and Project with Building A Residential/Commercial are presented in Table 3.9-4, City of Pasadena CEQA Transportation Thresholds. The City's transportation analysis methodology is discussed further below.

**TABLE 3.9-4
CITY OF PASADENA CEQA TRANSPORTATION THRESHOLDS**

Metric	Description	CEQA Impact Threshold
1. VMT Per Capita	VMT in the City of Pasadena per service population (population + jobs)	An <u>increase</u> over existing Citywide VMT per Capita of 22.6
2. VT Per Capita	VT in the City of Pasadena per service population (population + jobs)	An <u>increase</u> over existing Citywide VT per Capita of 2.8
3. Proximity and Quality of Bicycle Network	Percent of service population (population + jobs) within a ¼-mile of bicycle facility types	Any <u>decrease</u> in existing citywide 31.7% of service population (population + jobs) within a ¼-mile of Level 1 & 2 bike facilities
4. Proximity and Quality of Transit Network	Percent of service population (population + jobs) within a ¼-mile of transit facility types	Any <u>decrease</u> in existing citywide 66.6% of service population (population + jobs) within a ¼-mile of Level 1 & 2 transit facilities
5. Pedestrian Accessibility	The Pedestrian Accessibility Score uses the mix of destinations, and a network-based walk shed to evaluate walkability	Any <u>decrease</u> in the Citywide Pedestrian Accessibility Score
VMT: vehicle miles traveled; VT: vehicle trips Source: Pasadena DOT 2021		

3.9.4 METHODOLOGY

City of Pasadena Transportation Impact Analysis

Pursuant to the TIA Guidelines, the Project was evaluated using the City's transportation performance measures. Proposed projects are analyzed using the City's calibrated travel demand forecasting (TDF) model built on SCAG's regional model. The City's TDF model uses TransCAD software to simulate traffic levels and travel patterns for the City of Pasadena. The TransCAD program consists of input files that summarize the City's land uses, street network, travel characteristics, and other key factors. Using this data, the model performs a series of calculations to determine the number of trips generated, the beginning and ending location of each trip, and the route taken by the trip. To be deemed accurate for project transportation impact on the transportation system, a model must be calibrated to a year in which actual land use data and traffic volumes are available and well documented. The Pasadena TDF has been calibrated to 2013 base year conditions using actual traffic counts, Census data, and land use data compiled by City staff with land uses' associated population and job increase estimates. The methodology of the specific performance assessment is provided below.

Vehicle Miles Traveled Per Capita

The VMT per Capita measure sums the miles traveled for trips within the City of Pasadena Transportation Demand Model (that is based on the SCAG regional model). The VMT total considers 100 percent of the mileage of trips that begin and end inside Pasadena and 50 percent of the distance travelled for trips with one end outside of Pasadena. The City's VMT is then divided by the City's total service population, defined as the population plus the number of jobs.

Although VMT itself will likely increase with the addition of new residents, the City can reduce VMT on a per-capita basis with land use policies that help Pasadena residents meet their daily needs within a short distance of home, reducing trip lengths, and by encouraging development in areas with access to various modes of transportation other than auto.

Vehicle Trips Per Capita

The VT per Capita is a measure of motor vehicle trips associated with the City. The measure sums the trips with origins and destination within the City of Pasadena, as generated by the 2013 Trip-Based Citywide Travel Demand Model. The regional VT is calculated by adding the VT associated with trips generated and attracted within City boundaries, and 50 percent of the VT associated with trips that either begin or end in the City but have one trip end outside of the City. The City's VT is then divided by the City's total service population, defined as the population plus the number of jobs. As with VMT, VT itself will likely increase with the addition of new residents, but the City can reduce VT on a per-capita basis with land use policies that help Pasadena residents meet their daily needs within a short distance of home, reducing trip lengths, and by encouraging development in areas with access to various modes of transportation other than auto.

Proximity and Quality of Transit Network

The Proximity and Quality of Transit Network provides a measure of the percent of the City's service population (population + jobs) within a ¼-mile of each of each of three transit facility types, as defined in Table 3.9-1. For each facility level, a ¼-mile network distance buffer is calculated and the total service population (population + jobs) within the buffer is identified. The City can improve the measures of Transit Proximity and Quality by reducing headways on existing transit routes, by expanding transit routes to cover new areas, and by encouraging residential and commercial development to occur in areas with an already high-quality transit service.

Proximity and Quality of Bicycle Network

The Proximity and Quality of Bicycle Network provides a measure of the percent of the City's service population (population + jobs) within a ¼-mile of bicycle facility types. The facility types are aggregated into three hierarchy levels, obtained from the City's Bicycle Plan categories as shown in Table 3.9-3. For each bike facility level, a ¼-mile network distance buffer is calculated and the total service population (population + jobs) within the buffer is identified. The City can improve measures of Bike Facility Access by improving and expanding existing bike facilities and by encouraging residential and commercial development in areas with high-quality bike facilities.

Pedestrian Accessibility

The Pedestrian Accessibility score provides a measure of the average walkability in the Traffic Analysis Zones (TAZs) surrounding Pasadena residents, based on a Pedestrian Accessibility metric. The Pedestrian Accessibility metric is a simple count of the number of land use types accessible to a Pasadena resident or employee in a given TAZ within a five-minute walk. The ten land use types considered are:

- 1) Retail,
- 2) Personal Services,
- 3) Restaurant,
- 4) Entertainment,
- 5) Office (including private sector and government offices),
- 6) Medical (including medical office and hospital uses),
- 7) Culture (including churches, religious and other cultural uses),
- 8) Park and Open Space,
- 9) School (including elementary and high schools), and
- 10) College.

3.9.5 ENVIRONMENTAL IMPACTS

Threshold 3.9a: Would the Project conflict with a program plan, ordinance or policy addressing the circulation system, including transit, roadway, bicycle and pedestrian facilities?

Threshold 3.9b: Would the Project conflict or be inconsistent with CEQA Guidelines section 15064.3, subdivision (b)(1)?

The City's TIA methodology assesses both the vehicular and non-vehicular (i.e., transit, bicycle, pedestrian) transportation facilities together. Therefore, for clarity of the analysis, these two thresholds are analyzed together, consistent with the TIA Guidelines.

Project

Those projects with proposed land uses that are consistent with the General Plan and complementary to their surrounding land uses are expected to reduce the trip length associated with adjacent land uses; and/or increase the service population access to pedestrian, bike, and transit facilities if the project is within ¼-mile of those facilities.

Table 3.9-5, Transportation Impact Analysis Summary for the Project, summarizes the analyses of the Project's potential impacts on the City's transportation system using the calibrated TDF model. The results are based on the Project's vehicular and non-vehicular trip making characteristics, trip length, and its interaction with other surrounding/citywide land uses, and the City's transportation network. The Project TIA is provided in its entirety in Appendix G-1 to this Draft EIR.

**TABLE 3.9-5
TRANSPORTATION IMPACT ANALYSIS SUMMARY
FOR THE PROJECT**

Transportation Performance Metrics	Significant Impact Cap (Existing)	Incremental Change (Existing + Project)	Significant Impact?
VMT Per Capita	>22.6	19.5	No
VT Per Capita	>2.8	2.0	No
Proximity and Quality of Bicycle Network	<31.7%	32.0	No
Proximity and Quality of Transit Network	<66.6%	66.8	No
Pedestrian Accessibility	<3.9	3.9	No
VMT: vehicle miles traveled; VT: vehicle trips Source: Pasadena DOT 2020.			

As shown in Table 3.9-5, using the City's Transportation Demand Model, the Pasadena DOT determined that the Project would not exceed any of the CEQA transportation thresholds defined in the City's TIA Guidelines (Pasadena DOT 2020). As such, the Project would not conflict with the City's plan addressing the circulation system under CEQA (i.e., TIA Guidelines), which includes transit, roadway, bicycle and pedestrian facilities; or conflict or be inconsistent with Section 15064.3(b)(1) of the State CEQA Guidelines. There would be less than significant impacts, and no mitigation is required.

Project with Building A Residential/Commercial

The Pasadena DOT prepared a TIA for the Project with Building A Residential/Commercial using the same methodology as applied for the Project. Table 3.9-6, Transportation Impact Analysis Summary for the Project with Building A Residential/Commercial, summarizes the analyses of the Project with Building A Residential/Commercial's potential impacts on the City's transportation system using the calibrated TDF model. The Project with Building A Residential/Commercial TIA is provided in its entirety in Appendix G-2 to this Draft EIR.

**TABLE 3.9-6
TRANSPORTATION IMPACT ANALYSIS SUMMARY FOR THE PROJECT WITH
BUILDING A RESIDENTIAL/COMMERCIAL**

Transportation Performance Metrics	Significant Impact Cap (Existing)	Incremental Change (Existing + Project)	Significant Impact?
VMT Per Capita	>22.6	8.2	No
VT Per Capita	>2.8	1.4	No
Proximity and Quality of Bicycle Network	<31.7%	32.0	No
Proximity and Quality of Transit Network	<66.6%	66.8	No
Pedestrian Accessibility	<3.9	3.9	No
VMT: vehicle miles traveled; VT: vehicle trips Source: Pasadena DOT 2021.			

As shown in Table 3.9-6, using the City's TDM, the Pasadena DOT determined that the Project with Building A Residential/Commercial would not exceed any of the CEQA transportation thresholds defined in the City's TIA Guidelines (Pasadena DOT 2021). Compared to the Project, the Project with Building A Residential/Commercial would have substantively lower VMT per Capita and somewhat lower VT per Capita. As such, the Project with Building A

Residential/Commercial would not conflict with the City's plan addressing the circulation system under CEQA (i.e., TIA Guidelines), which includes transit, roadway, bicycle and pedestrian facilities; or conflict or be inconsistent with Section 15064.3(b)(1) of the State CEQA Guidelines. There would be less than significant impacts, and no mitigation is required.

Threshold 3.9c: Would the Project substantially increase hazards due to a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?

Project

Based on comments related to traffic safety in response to the Notice of Preparation of the EIR, the above threshold has been included in the Draft EIR analysis after having been scoped out as part of Initial Study preparation.

The Pasadena DOT was consulted regarding the collision history for the South Arroyo Parkway and California Boulevard intersection. Pasadena DOT tracks the City's intersection collision history, which is inclusive of all transportation modes. For the five-year period from January 1, 2016, through December 31, 2020, there were a total of 20 collisions at this intersection, broken down by year as follows: 3 in 2016, 7 in 2017, 6 in 2018, 3 in 2019, and 1 in 2020. Of the 20 collisions, 9 resulted in injuries and 0 resulted in fatalities. All but 2 incidents involved another motor vehicle; of these, 1 incident involved a fixed object and 1 incident involved a pedestrian. Pasadena DOT generally considers the "top 10" intersections as typically having 8 or more collisions per year, and intersections that average 6 or more collisions per year could be considered high. The Arroyo Parkway and California Boulevard intersection averaged 4 collisions per year. In addition, the Pasadena DOT notes that when comparing the collision rate of this intersection with the Statewide average for signalized intersections controlled by traffic signals in an urban area, the crash rate for this intersection falls slightly below the Statewide average (Siques 2021a; Russo 2021).

The Pasadena DOT reports that they have worked closely with Metro in recent years to reduce delay at the intersection caused by the Metro L (Gold) Line operation and implemented an adaptive traffic control system to better manage operations along this corridor. There have been substantial changes to the signal operations at this intersection in the past approximately five years, and the changes have likely contributed to a reduction in collisions during this period. This intersection is not considered a high collision location, and Pasadena DOT continues to monitor operations at this intersection and along the corridor to address traffic signal operations and reduce the potential for collisions (Siques 2021a).

The Pasadena DOT concluded that the additional trips generated by the Project, on its own, are not expected to generate a safety concern at this intersection, especially with the traffic signal phasing/operations being proactively managed and the presence of raised median islands already provided at Arroyo Parkway and California Boulevard that restrict turn movements into and out of the proposed driveways. Additionally, the number of driveways at the site would be reduced from four to two on Arroyo Parkway and from two to one on California Boulevard, which helps reduce non-vehicular conflicts (Siques 2021b).

Based on the intersection's collision history, Pasadena DOT's continuing proactive management of this intersection, and the less than significant transportation impact pursuant to Thresholds 3.9(a) and (b), it is concluded that implementation of the Project would not result in a traffic safety hazard at the South Arroyo Parkway and California Boulevard intersection. Moreover, the Project would not increase hazards due to a geometric design feature or incompatible use. No sharp curves or dangerous intersections are proposed, and the proposed uses are consistent and

compatible with the existing uses onsite and in the vicinity. Therefore, there would be a less than significant impact, and no mitigation is required.

Project with Building A Residential/Commercial

As discussed above, the Pasadena DOT was consulted regarding the accident history for the South Arroyo Parkway and California Boulevard intersection and the potential for the addition of trips from the Project with Building A Residential/Commercial to affect the safety of this intersection. As discussed above, based on the intersection's collision history, Pasadena DOT's continuing proactive management of this intersection, and the less than significant transportation impact, it is concluded that implementation of the Project would not result in a traffic safety hazard at the South Arroyo Parkway and California Boulevard intersection. Moreover, the Project with Building A Residential/Commercial would not increase hazards due to a geometric design feature or incompatible use. There would be a less than significant impact, and no mitigation is required. This conclusion would be the same for the Project with Building A Residential/Commercial as this scenario would generate fewer daily trips than the Project.

Threshold 3.9d: Would the Project result in inadequate emergency access?

Project

As stated in Section 2.0, Project Description, of this Draft EIR, the site currently has seven points of access, including two on California Boulevard, one on Bellevue Drive, and four on Arroyo Parkway. All these access points except one are driveways leading to surface parking; the access point on Bellevue Drive leads into the subterranean parking structure serving Whole Foods Market. The ingress/egress on East Bellevue Drive to the 275-space Whole Foods Market parking structure would remain in place to continue serving the grocery store and would be entirely separated from the proposed parking structure. Additionally, there is a truck exit (only) from Whole Foods Market on Arroyo Parkway at the southern end of this structure.

As shown on Exhibit 2-5, First (Ground) Level Plan, in Section 2.0, Environmental Setting and Project Description, of this Draft EIR, the Project uses south of Whole Foods Market proposes three ingress/egress points: one on California Boulevard and two on South Arroyo Parkway. A circular drop-off area would be situated on the north side of each of the proposed buildings. The Project would not involve any alterations to existing public or private roadways and would not result in the elimination of a through-route or the narrowing of any roadways outside the boundaries of the site. All proposed ingress/ingress points and drive lanes on the site would be subject to Pasadena Fire Department and Pasadena DOT review and approval to ensure adequate access is available both for emergency vehicles, which are regularly expected with operation of Building B, and routine circulation. As such, implementation of the proposed Project would not create new obstructions to emergency access in the Project area. There would be a less than significant impact, and no mitigation is required.

Project with Building A Residential/Commercial

The analysis of emergency access for the Project with Building A Residential/Commercial would be the same as that of the Project. Although there would be 200 fewer parking spaces and a substantively lower VMT per Capita compared to the Project, the proposed circulation on the ground level for both development scenarios would be the same. There would be a less than significant impact, and no mitigation is required.

3.9.6 CUMULATIVE IMPACTS

Project

Cumulative transportation impacts within the City were recently evaluated in the Pasadena General Plan Draft EIR, which evaluated transportation impacts within the City associated with buildout of the General Plan in 2035 (City of Pasadena 2015). The General Plan EIR analysis considered impacts associated with the five transportation performance measures identified in the TIA Guidelines, namely VMT per Capita, VT per Capita, proximity and quality of the bicycle network, proximity and quality of the transit network, and pedestrian accessibility. The analysis found that transportation impacts associated with all five performance measures would be less than significant.

As the Project is consistent with the land use designation associated with the site that was evaluated in the General Plan EIR, the analysis of transportation impacts in the General Plan Draft EIR is representative of cumulative impacts associated with the Project. Also, as discussed above, the Project would result in less than significant impacts for all five transportation performance measures. Therefore, Project-related cumulative impacts were considered in the cumulative analysis conducted for the Pasadena General Plan Draft EIR. The Project would not result in a cumulatively considerable impact related to transportation, and no mitigation is required.

Project with Building A Residential/Commercial

As with the Project, cumulative impacts for the Project with Building A Residential/Commercial were considered in the cumulative analysis conducted for the Pasadena General Plan Draft EIR as the Project with Building A Residential/Commercial is consistent with the site's land use designation. The Project with Building A Residential/Commercial would not result in a cumulatively considerable impact related to transportation, and no mitigation is required.

3.9.7 MITIGATION MEASURES

No mitigation measures are required.

3.9.8 LEVEL OF SIGNIFICANCE AFTER MITIGATION

Less than significant.

3.9.9 SUMMARY OF ANALYSIS

Project

The Pasadena DOT determined that the Project would not exceed any of the five CEQA transportation thresholds defined in the City's TIA Guidelines (Pasadena DOT 2020). As such, the Project would not conflict with the City's plan addressing the circulation system under CEQA (i.e., TIA Guidelines), which includes transit, roadway, bicycle and pedestrian facilities; or conflict or be inconsistent with Section 15064.3(b)(1) of the State CEQA Guidelines. Implementation of the Project would not create new obstructions to emergency access in the Project area. The Project would not result in a traffic safety hazard at the South Arroyo Parkway and California Boulevard intersection and would not increase hazards due to a geometric design feature or incompatible use. There would be less than significant impacts, and no mitigation is required.

Project with Building A Residential/Commercial

The analysis of transportation for the Project with Building A Residential/Commercial would be essentially the same as the Project. Compared to the Project, the Project with Building A Residential/Commercial would have substantively lower VMT per Capita and somewhat lower VT per Capita. The Pasadena DOT determined that the Project with Building A Residential/Commercial would not exceed any of the CEQA transportation thresholds defined in the City's TIA Guidelines (Pasadena DOT 2021). As such, the Project would not conflict with the City's plan addressing the circulation system under CEQA (i.e., TIA Guidelines), which includes transit, roadway, bicycle and pedestrian facilities; or conflict or be inconsistent with Section 15064.3(b)(1) of the State CEQA Guidelines. Implementation of the Project with Building A Residential/Commercial would not create new obstructions to emergency access in the Project area. The Project with Building A Residential/Commercial would not result in a traffic safety hazard at the South Arroyo Parkway and California Boulevard intersection and would not increase hazards due to a geometric design feature or incompatible use. There would be less than significant impacts, and no mitigation is required.

3.9.10 REFERENCES

Governor's Office of Planning and Research (OPR). 2021 (October 19, date accessed). *Alternative Transportation Metrics (SB 743), Updating the Analysis of Transportation Impacts under CEQA*. Sacramento, CA: <https://opr.ca.gov/ceqa/sb-743/>.

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Russo, A. 2021 (December 21). Personal Communication. E-mail correspondence between Nader Asmar, TE (Principal Engineer, Pasadena Department of Transportation) and Lieutenant Anthony Russo (Pasadena Police Department) regarding Incident No. 17011147.

Siques, J. 2021a (October 14 through 21). Personal Communication. E-mail correspondence between Jason Van Patten (Senior Planning, City of Pasadena) and Joaquin Siques (Deputy Director, City of Pasadena Department of Transportation) regarding the Pasadena Department of Transportation intersection collision history for South Arroyo Parkway and California Boulevard.

———. 2021b (November 22). Personal Communication. E-mail correspondence between Jason Van Patten (Senior Planning, City of Pasadena) and Joaquin Siques (Deputy Director, City of Pasadena Department of Transportation) regarding Caltrans freeway safety analyses and Project-related trip generation and driveways relevant to traffic safety.

3.10 TRIBAL CULTURAL RESOURCES

This section addresses potential impacts to tribal cultural resources that could result from implementation of the Project or Project with Building A Residential/Commercial. Information in this section is derived from consultation between the City and local tribal representatives consistent with Assembly Bill (AB) 52 (Appendix H); an archaeological records search conducted by the South Central Coastal Information Center (SCCIC) on July 24, 2020; the Sacred Lands File search conducted by the Native American Heritage Commission (NAHC) received on July 15, 2020; and the Native American consultation conducted by the City (Appendix C-2).

3.10.1 EXISTING CONDITIONS

Section 3.2 of this Draft EIR provides an evaluation of cultural resources. As noted in that section, a cultural resource record search and literature review was conducted at the California Historical Resources Information System (CHRIS), which maintains records and literature regarding cultural resources within California. The CHRIS office for Los Angeles County is located at the SCCIC. No prehistoric archaeological sites or tribal cultural resources have been documented within the Project site or the ½-mile search radius. Nevertheless, the results from the NAHC Sacred Lands Files confirmed the presence of a sacred site (tribal cultural resource) important to the local Gabrielino/Tongva community. The resource is located nearby, but not within the Project site. The locations and other details of sacred sites are kept confidential in order to protect the sites.

3.10.2 RELEVANT PROGRAMS AND REGULATIONS

State

Assembly Bill 52

In September 2014, Governor Brown signed AB 52 (Chapter 532, Statutes of 2014), which creates a new category of environmental resources that must be considered under CEQA: “tribal cultural resources.” The legislation imposes new requirements for offering to consult with California Native American tribes regarding projects that may affect a tribal cultural resource, emphasizes a broad definition of what may be considered to be a tribal cultural resource, and includes a list of recommended mitigation measures.

Recognizing that tribes may have expertise regarding their tribal history and practices, AB 52 requires lead agencies to provide notice to tribes that are traditionally and culturally affiliated with the geographic area of a proposed project if they have requested notice of projects proposed within that area. MMs agreed upon during consultation must be recommended for inclusion in the environmental document.

AB 52 became effective on July 1, 2015 and requires that the lead agency provide project notifications to California Native American tribes on the NAHC Tribal Consultation list that request notification in writing prior to a lead agency’s release of a NOP for an EIR, a Mitigated Negative Declaration (MND), or Negative Declaration (ND). Once Native American tribes receive a project notification, they have 30 days to respond as to whether they wish to initiate consultation regarding the project and specifically consultation regarding mitigation for any potential project impacts.

Native American Historic Resource Protection Act

Established in 2002, the Native American Historic Resource Protection Act, establishes a misdemeanor for unlawfully and maliciously excavating upon, removing, destroying, injuring, or defacing a Native American historic, cultural, or sacred site that is listed or may be eligible for listing in the California Register of Historical Resources (CRHR). The focus of this legislation was to provide additional legal protection for Native American historical and cultural sites, art, and other cultural artifacts found at those sites. The Act also encourages collaborative relationships for the protection of Native American cultural resources between Native Americans and landowners. Funding and other state assistance should be encouraged for support of voluntary agreements to conserve, maintain, and provide physical access for Native Americans to these cultural resources.

California Health and Safety Code (Sections 7050.5, 7051, and 7054)

Sections 7050.5, 7051, and 7054 of the *California Health and Safety Code* collectively address the illegality of interference with human burial remains (except as allowed under applicable sections of the [*California Public Resources Code* (PRC)]). These sections also address the disposition of Native American burials in archaeological sites and protect such remains from disturbance, vandalism, or inadvertent destruction. Procedures to be implemented are established for (1) the discovery of Native American skeletal remains during construction of a project; (2) the treatment of the remains prior to, during, and after evaluation; and (3) reburial.

Section 7050.5 of the *California Health and Safety Code* specifically provides for the disposition of accidentally discovered human remains. Section 7050.5 states that if human remains are found, no further excavation or disturbance of the site or any nearby area reasonably suspected to overlie adjacent remains shall occur until the County Coroner has determined the appropriate treatment and disposition of the human remains.

California Public Resources Code (Section 5097.98)

Section 5097.98 of the PRC states that, if remains are determined by the Coroner to be of Native American origin, the Coroner must notify the NAHC within 24 hours. When the NAHC receives this notification from a County Coroner, it shall immediately notify those persons it believes to be most likely descended from the deceased Native American. The descendants may, with the permission of the owner of the land or his or her authorized representative, inspect the site of the remains and may recommend to the owner or the person responsible for the excavation work means for treatment or disposition, with appropriate dignity, of the human remains and any associated grave goods. The descendants shall complete their inspection and make recommendations or preferences for treatment within 48 hours of being granted access to the site. This regulation also requires that, upon the discovery of Native American remains, the landowner shall ensure that the immediate vicinity, according to generally accepted cultural or archaeological standards or practices, where the Native American human remains are located, is not damaged or disturbed by further development activity until the landowner has discussed and conferred with the most likely descendants regarding their recommendations and all reasonable options regarding their preferences for treatment. This section of the PRC has been incorporated into Section 15064.5(e) of the State CEQA Guidelines.

3.10.3 THRESHOLDS OF SIGNIFICANCE

The following significance criteria are derived from Appendix G of the State CEQA Guidelines. A project would result in a significant adverse tribal cultural resources impact if it would:

- Threshold 3.10:** Cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code Section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe, and that is:
- a) Listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources as defined in Public Resources Code Section 5020.1(k); and/or
 - b) A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Public Resources Code Section 5024.1. In applying the criteria set forth in subdivision (c) of Public Resources Code Section 5024.1, the lead agency shall consider the significance of the resource to a California Native American tribe.

3.10.4 METHODOLOGY

Consistent with requirements of AB 52, on May 28, 2020, the City of Pasadena initiated government-to-government consultation with those tribes that have provided written requests to be notified of projects in the City to identify, protect, and/or mitigate potential impacts to cultural places/resources. Both tribes (Gabrieliño/Tongva Tribe and Gabrieliño Band of Mission Indians – Kizh Nation) accepted the request for consultation and completed the AB 52 process for the Project with the City.

3.10.5 ENVIRONMENTAL IMPACTS

- Threshold 3.10:** **Would the Project cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code Section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe, and that is:**
- a) Listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources as defined in Public Resources Code Section 5020.1(k); and/or**

Project

In response to Threshold 3.10a, for the purposes of impact analysis, a tribal cultural resource is considered a site, feature, place, cultural landscape, sacred place, or object which is of cultural value to a California Native American Tribe and is either eligible for the CRHR or a local register.

Psomas submitted a request to the SCCIC on July 24, 2020. As discussed above and in Section 3.2, Cultural Resources, of this Draft EIR, based on the record searches and consultation with Native American tribes culturally affiliated with the area (see analysis under Threshold 3.10b below), there are no tribal cultural resources listed on the CRHR or a local register within the

Project site. There would be no impact related to documented tribal cultural resources, and no mitigation is required.

Project with Building A Residential/Commercial

The analysis of potential impacts to documented tribal cultural resources for the Project with Building A Residential/Commercial would be essentially the same as that of the Project, as the records search and Native American consultation are based on the site location and history. This is the same for both scenarios. As with the Project, there would be no impact related to documented tribal cultural resources, and no mitigation is required.

Threshold 3.10: **Would the Project cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code Section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe, and that is:**

- b) A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Public Resources Code Section 5024.1. In applying the criteria set forth in subdivision (c) of Public Resources Code Section 5024.1, the lead agency shall consider the significance of the resource to a California Native American tribe?**

Project

As noted above, on May 28, 2020, the City initiated government-to-government consultation with those tribes that have provided written requests to be notified of projects in the City. Letters requested consultation pursuant to AB 52 were sent to the following tribal organizations:

- Gabrieliño Tongva Tribe; and
- Gabrieliño Band of Mission Indians – Kizh Nation.

Both tribes accepted the request for consultation and completed the AB 52 process for the Project with the City. The results of these consultations are summarized below.

Gabrieliño Tongva Tribe

The City consulted with tribal representatives from both the Gabrieliño Tongva Tribe and the Gabrieliño Band of Mission Indians – Kizh Nation.

Consultation between the Gabrieliño Tongva Tribe, represented by Mr. Sam Dunlap, and the City occurred on November 30, 2020. Mr. Dunlap indicated the Project site lies within an area where ancestral territories of Gabrieliño Tongva Tribe villages adjoined and overlapped, at least during the Late Prehistoric Period (i.e., before European contact) and the Protohistoric Periods (i.e., post European contact). Mr. Dunlap also mentioned several Native American burials and village sites are documented in Pasadena and nearby South Pasadena. However, Mr. Dunlap was unaware of these types of resources being present within the Project site.

On January 12, 2021, as requested by the City, Psomas had a follow-up conference call with Mr. Dunlap to revisit the Project and discuss the results of the SCCIC record search results for

the Project. After review of the record search results, Mr. Dunlap, speaking on behalf of the Gabrieliño Tongva Tribe did not see any reason to change his earlier position on whether documented tribal cultural resources exist on the Project site.

In summary, through consultation between Gabrieliño Tongva Tribe and the City, it was concluded that this area of Los Angeles County was inhabited by Native Americans, but existing site records do not indicate archaeological resources significant to Native Americans on the Project site. However, there is always the possibility that undiscovered intact cultural resources, including tribal cultural resources, may be present below the surface in native sediments. Therefore, Mr. Dunlap indicated the tribe would appreciate the opportunity for the Gabrieliño Tongva and Gabrieliño representatives from other tribal councils that are recognized by the NAHC to be allowed the opportunity to bid on Native American monitoring if the City approves such as measure for the Project.

Gabrieliño Band of Mission Indians – Kizh Nation

Consultation between the Gabrieliño Band of Mission Indians – Kizh Nation (Kizh Nation) and the City occurred on October 15, 2020. The Kizh Nation followed up with submittal of an e-mail on November 4, 2020, summarizing the consultation, providing tribal archive information, and providing requested mitigation. The Kizh Nation provided documents and information regarding the potential sensitivity of cultural resources related to the Kizh Nation and asked that the documents and information be kept confidential. The follow up e-mail requested that the City provide written notification stating whether and to what extent the proposed mitigation would be included for the Project so that the parties may conclude consultation, or if the requested mitigation is not agreeable so that the consultation may continue. The City reviewed and considered the information provided and mitigation required by the Kizh Nation. On December 2, 2021—consistent with the request of the Kizh Nation to be notified regarding whether and to what extent the proposed mitigation would be required for the Project—the City e-mailed the Kizh Nation and provided a recommended mitigation measure, based on the measure provided by Kizh Nation, for review and concurrence. The City stated that it considered consultation complete and would assume concurrence with the measure, and associated conditions of approval based on the mitigation measure, unless a response was received by December 9, 2021. No response was received from the Kizh Nation by or subsequent to December 9, 2021.

Project with Building A Residential/Commercial

The analysis of potential impacts to tribal cultural resources based on AB 52 consultation for the Project with Building A Residential/Commercial would be essentially the same as that of the Project. Although this scenario would have slightly less excavation due to inclusion of one fewer subterranean parking level and therefore somewhat less likelihood of encountering an unknown tribal cultural resource, the resulting potential impact and associated mitigation agreed upon with the Gabrieliño Band of Mission Indians – Kizh Nation would apply. With implementation of MM TCR-1, there would be a less than significant impact.

3.10.6 CUMULATIVE IMPACTS

Project

The cumulative impacts related to demographic growth are analyzed for the City of Pasadena. Direct impacts to cultural resources are generally site specific. However, development throughout the City, could potentially result in the disturbance of prehistoric archaeological resource sites (including tribal cultural resources/Native American remains). The City participates in Native American consultation consistent with AB 52 and SB 18 (when applicable). This process, in combination with site-specific archaeological studies, and any resulting site-specific mitigation

measures (typically monitoring and processes to manage any unanticipated resources), would contribute to the reduction of potential tribal cultural resource impacts to the maximum extent feasible. Because there are no documented tribal cultural resources on the Project site and MM TCR-1 would be implemented, the Project would not result in a cumulatively considerable impact to tribal cultural resources.

Project with Building A Residential/Commercial

The cumulative impact analysis of tribal cultural resources for the Project with Building A Residential/Commercial would be essentially the same as that of the Project, as the records search and Native American consultation are based on the site location and history. This is the same for both scenarios. As with the Project, because there are no documented tribal cultural resources on the Project site and MM TCR-1 would be implemented, the Project with Building A Residential/Commercial would not result in a cumulatively considerable impact to tribal cultural resources.

3.10.7 MITIGATION MEASURES

MM TCR-1 Prior to the commencement of any ground disturbing activity at the Project site, the Project Applicant shall accommodate a Native American Monitor (Monitor) culturally affiliated with the site as recognized by the Native American Heritage Commission (NAHC). The Monitor contracted and retained shall be at the expense of the tribe(s) that consulted on this Project. The Tribal Monitor will only be present on-site during the construction phases that involve ground-disturbing activities. Ground disturbing activities are defined by the Tribe as activities that may include, but are not limited to pavement removal, potholing or auguring, grubbing, tree removals, boring, grading, excavation, drilling, and trenching within the Project area. The Tribal Monitor will complete daily monitoring logs that will provide descriptions of the day's activities, including construction activities, locations, soil, and any cultural materials identified.

The on-site monitoring shall end when all ground-disturbing activities on the Project site are completed, or when the Tribal Representatives and Tribal Monitor have indicated that all upcoming ground-disturbing activities at the Project Site have little to no potential for impacting Tribal Cultural Resources.

Upon discovery of any Tribal Cultural Resources, construction activities shall cease in the immediate vicinity of the find (not less than the surrounding 50 feet) until the find can be assessed. All Tribal Cultural Resources unearthed by Project construction activities shall be evaluated by the Tribal Monitor approved by the Consulting Tribe and a qualified Archaeologist (if one is present).

If the resources are Native American in origin, the Consulting Tribe will retain it/them in the form and/or manner the Tribe deems appropriate, for educational, cultural and/or historic purposes. If human remains and/or grave goods are discovered or recognized at the Project Site, all ground disturbance in the immediate vicinity of the find shall be halted, and the County Coroner shall be notified per Section 5097.98 of the Public Resources Code and Section 7050.5 of the Health & Safety Code. Human remains and grave/burial goods shall be treated alike per Section 5097.98(d)(1) and (2) of the Public Resources Code. Work may continue in other parts of the Project site while evaluation and, if necessary, mitigation takes place (Section 15064.5[f] of the State CEQA Guidelines). Preservation in place (i.e., avoidance) is the preferred manner of treatment. If preservation in place is not feasible, treatment may include implementation of

archaeological data recovery excavations to remove the resource along with subsequent laboratory processing and analysis. Any historic archaeological material that is not Native American in origin (non-Tribal Cultural Resource) shall be curated at a public, non-profit institution with a research interest in the materials, such as the Natural History Museum of Los Angeles County or the Fowler Museum, if such an institution agrees to accept the material. If no institution accepts the archaeological material, it shall be donated to a local school or historical society in the area for educational purposes.

3.10.8 LEVEL OF SIGNIFICANCE AFTER MITIGATION

Less than significant.

3.10.9 SUMMARY OF ANALYSIS

Project

Based on consultation with the Gabrieliño Tongva Tribe and Gabrieliño Band of Mission Indians – Kizh Nation pursuant with AB 52 (Appendix H) and the results on an archaeological records search conducted by the SCCIC on July 24, 2020; and NAHC Sacred Lands File search received on July 15, 2020 (Appendix C-2), there are no tribal cultural resources listed on the CRHR or a local register within the Project site or otherwise known to the culturally affiliated Native American tribes. However, there is always the possibility that undiscovered intact cultural resources, including tribal cultural resources, may be present below the surface in native sediments. Therefore, MM TCR-1 requires the Project Applicant to accommodate a Native American Monitor culturally affiliated with the site as recognized by the NAHC prior to the commencement of any ground-disturbing activity on the site. MM TCR-1 also defines the role of the Tribal Monitor, if such an individual elects to be present during construction of the Project, and the steps required if a potential tribal cultural resource is encountered during ground-disturbing activities. With implementation of MM TCR-1, there would be a less than significant impact.

Project with Building A Residential/Commercial

The analysis of potential impacts to tribal cultural resources for the Project with Building A Residential/Commercial would be essentially the same as that of the Project. Although this scenario would have slightly less excavation and therefore somewhat less likelihood of encountering an unknown tribal cultural resource, there is always the possibility that undiscovered intact cultural resources, including tribal cultural resources, may be present below the surface in native sediments. As such, the associated mitigation agreed upon with the Gabrieliño Band of Mission Indians – Kizh Nation would apply. With implementation of MM TCR-1, there would be a less than significant impact.

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3.11 UTILITIES AND SERVICE SYSTEMS

This section addresses utilities and service systems that would be used with implementation of the Project or Project with Building A Residential/Commercial and analyzes potential impacts on the availability and capacity of the local providers for the following utilities and service systems (the service provider is noted parenthetically):

- Water facilities (Pasadena Water and Power);
- Wastewater facilities (Los Angeles County Sanitation Districts and City of Pasadena Department of Public Works);
- Dry utilities (Southern California Edison [electric], Southern California Gas Company [natural gas], and various telecommunications companies); and
- Solid waste disposal (Los Angeles County Sanitation Districts and Los Angeles County Public Works).

Information in this section is derived from the *Affinity Project Water Supply Assessment* (WSA), prepared for the Project by ESA and dated January 2022 (ESA 2022, Appendix I); the City of Pasadena's and the utilities' websites; the *City of Pasadena General Plan* and its Environmental Impact Report (EIR), and the Central District Specific Plan; the Notice of Preparation comment letter from the County Sanitation Districts of Los Angeles County regarding wastewater and provided in Appendix A-2; and other sources as cited herein. It is noted that the Project and Project with Building A Residential/Commercial do not qualify as a "project" under Senate Bill (SB) 610, which requires preparation of a WSA (Section 10912[a] of the Water Code). Nonetheless, based on comments received on the Notice of Preparation of this Draft EIR and given that all of California's 58 counties are under a drought emergency proclamation as of the preparation of this EIR (California 2021), a WSA was prepared for the Project and Project with Building A Residential/Commercial to inform the environmental analysis.

The Initial Study (provided in Appendix A-1) concluded that all thresholds related to hydrology and water quality, including storm drainage capacity, would result in no impacts or less than significant impacts and were not carried forward into the Draft EIR for further analysis.

3.11.1 EXISTING CONDITIONS

Existing utility infrastructure is located on site and in the surrounding roadways. Exhibits 2-17a and 2-17b, Conceptual Utility Plans, in Section 2.0, Environmental Setting and Project Description, of this EIR, show the locations of existing wet and dry utilities and the locations of proposed connections to utilities.

Water Supply

Infrastructure

Pasadena Water and Power (PWP) provides potable water to City residents and businesses. There are 2, existing, PWP 8-inch diameter domestic water lines in Arroyo Parkway, a 6-inch diameter domestic water line in Bellevue Drive, and a 12-inch diameter domestic water line in California Boulevard.

Water Supply Sources

The City's water supply is provided primarily through two sources: local groundwater from the Raymond Basin (RB) and imported water purchased from the Metropolitan Water District of

Southern California (MWD), which is a regional wholesaler in Southern California. MWD provides the City with water imported from the Colorado River Aqueduct (CRA) and the State Water Project (SWP). Table 3.11-1, Pasadena Water Supply Sources and Quantities (AFY), summarizes water supply sources and estimated volumes available now and over the next approximately 25 years (ESA 2022).

**TABLE 3.11-1
PASADENA WATER SUPPLY SOURCES AND QUANTITIES (AFY)**

Water Supply Source	2025	2030	2035	2040	2045 ^a
Imported Water	19,248	19,362	19,454	19,527	19,579
Groundwater	11,830	11,830	11,830	11,830	11,830
Totals	31,078	31,192	31,284	31,357	31,409
^a The 2045 imported water is projected based on a second order polynomial extrapolation (e.g., curve of best fit) from year 2025, 2030, 2035, and 2040 data in the PWP <i>Final 2020 Urban Water Management Plan</i> . The anticipated 2045 imported water projected in this table may differ from PWP's official projection in future updates to its 2020 UWMP. afy = acre-feet per year Source: ESA 2022 (via <i>Pasadena Water and Power Final 2020 Urban Water Management Plan</i>).					

Imported Water

The water supply for the City is imported from outside the region through the City's membership in MWD, which delivers both treated and untreated water to Southern California via two sources (i.e., SWP and CRA). Water from Northern California is imported by way of the SWP, and water from the Colorado River reaches the region through the CRA. MWD has five treatment plants, which supply most of Southern California with treated water through their regional distribution system. PWP receives treated water via five turnouts from MWD's Upper Feeder. Water served to PWP is treated at MWD's Weymouth Water Treatment Plant (WTP). During outages at the Weymouth WTP, PWP can receive treated water from MWD's Jensen WTP. Sufficient turnout capacity exists to meet existing and projected PWP demands. According to PWP's *2020 Urban Water Management Plan* (2020 UWMP), while connection capacity is sufficient, reliability of this supply is insufficient. As such, PWP would be unable to meet local demand solely from imported water supplies in the event of a service disruption from MWD. As shown in Table 3.11-2, PWP Imported Water Supplies (AFY), the City consistently obtains approximately 62 percent of its treated potable water from MWD (ESA 2022).

**TABLE 3.11-2
PWP IMPORTED WATER SUPPLIES (AFY)**

Water Supply Source	2025	2030	2035	2040	2045 ^a
Potable Water Imported from MWD	19,248	19,362	19,454	19,527	19,579
Total PWP Water Supplies	31,078	31,192	31,284	31,357	31,409
Percent of Total PWP Water Supplies	62%	62%	62%	62%	62%
^a The 2045 imported water is projected based on a second order polynomial extrapolation (e.g., curve of best fit) from year 2025, 2030, 2035, and 2040 data in the PWP <i>Final 2020 Urban Water Management Plan</i> . The anticipated 2045 imported water projected in this table may differ from PWP's official projection in future updates to its 2020 UWMP. afy = acre-feet per year Source: ESA 2022 (via <i>Pasadena Water and Power Final 2020 Urban Water Management Plan</i>).					

Local Groundwater

Groundwater production is obtained from the RB, which is an adjudicated basin. While PWP has groundwater pumping rights to extract groundwater based on the adjudication and decree, it is also credited with additional pumping rights for infiltrating surface water. PWP can use the RB for long-term supply storage as an emergency supply. PWP manages its pumping rights, spreading credits, and long-term storage in the RB to maintain a reliable source (ESA 2022).

Raymond Basin

Pasadena overlies the RB, which is an alluvial valley approximately 40 square miles in area underlain by deposits of gravel, sand, silt, and clay. The RB is in the northwest portion of the San Gabriel Valley and is bound by the San Gabriel Mountains to the north, the San Rafael Hills to the west, and the Raymond Fault to the south/southeast. RB is divided into three subareas: the Monk Hill subarea in the northwest, the Pasadena subarea in the central portion of the basin, and the Santa Anita subarea in the east. PWP has water rights in the Monk Hill and Pasadena subareas of the RB.

The base of the water-bearing strata of the RB is defined by bedrock material that is not considered to yield significant quantities of water. Overlying the bedrock are more than 1,200 feet of unconsolidated alluvial materials consisting of boulders, gravel, sand, silt, and clay. This alluvium is the principal water-bearing unit in the RB. Well yields in the alluvium range from a few hundred to several thousand gallons per minute (gpm). The alluvial aquifer system in the RB consists of many individual interconnected water-bearing zones.

Specific yield values in the RB are typical of alluvial sediments and range from approximately 5 percent to 18 percent. Groundwater generally flows southerly from areas of recharge at the base of the San Gabriel Mountains to areas of discharge along Raymond Fault at hydraulic gradients ranging from approximately 0.040 feet to 0.090 feet. The Raymond Fault acts as a leaky hydrologic barrier and defines the boundary between the RB and the main San Gabriel Valley Groundwater Basin to the south. Currently, RB groundwater levels are relatively higher in the northern half of the basin and lower in the southern half of the basin compared with historical trends. Current sources of groundwater recharge to the RB include:

- Natural infiltration and percolation of rainfall and surface water;
- Percolation of applied water from irrigation and other return flows;
- Subsurface inflow from adjacent groundwater basins, bedrock areas, and the San Gabriel Mountains;
- Artificial recharge through surface water infiltration; and
- Percolation of water from septic tanks (ESA 2022).

Raymond Basin Judgement

In December 1944, the RB was the first groundwater basin adjudicated in California. The adjudication known as the Raymond Basin Judgement (RB Judgement) was needed to resolve conflicts between the groundwater pumping entities. Under the adjudication, it was determined that 16 parties had the right to extract water. The court allocated groundwater pumping rights to each party, and this decision is based on RB Judgement of “safe yield”. The safe yield was originally determined to be 21,900 acre-feet per year (afy) but was modified in 1955 to 30,662 afy. These decreed rights were set in 1955 for recent wet weather conditions but were not reevaluated from time to time as then suggested. The authority to administer the RB Judgement, resolve future

disputes, and make binding judgments is vested in the RB Watermaster. The Watermaster is the Raymond Basin Management Board, which is the representatives of the parties (pumping entities) of the RB Judgement.

PWP's decreed groundwater pumping right was set at 12,807 afy; this is divided between the two underlying subareas: Monk Hill (4,464 afy) and Pasadena (8,343 afy). As suggested in the decree to reevaluate the RB groundwater conditions, the Raymond Basin Management Board implemented a resolution on July 1, 2009, that voluntarily reduced pumping from the Pasadena subarea to address declining water levels. As a result, PWP's water pumping from the RB was decreased by 2,503 afy, or from 12,807 afy to 10,304 afy (ESA 2022).

Surface Runoff Spreading Credits

PWP has pre-1914 rights to divert up to 25 cubic feet per second (cfs) of surface water from the Arroyo Seco and Millard Canyon streams and up to 8.9 cfs from the Eaton Wash. This surface water is currently used to recharge the RB. The RB Judgment allows each pumper to take the surface water directly to meet demand or use surface water to recharge the RB and then pump out a portion of the recharged volume in addition to their decreed groundwater pumping rights. PWP receives a pumping credit of 60 to 80 percent of the surface water recharged at the Arroyo Seco Spreading Grounds, and a credit of 80 percent of the surface water recharged at the Eaton Wash Spreading Grounds. From 2001 to 2020, groundwater pumping credits from the infiltration of surface water provided PWP an average of 1,675 afy. In dry years this was as low as 300 acre-feet (af) and in wet years up to 5,115 af (ESA 2022).

Groundwater Production

For the past five years (2015–2020), PWP's annual groundwater production has averaged approximately 11,000 afy, which includes decreed rights (10,304 afy) and annual surface water spreading credits. Currently PWP has 12 active wells and 6 wells are inactive due to contamination and other factors. Most of the operational wells are approaching 100 years, which reduces their capacity or reliability. Because of contamination issues, groundwater requires treatment or a sequence of blending with imported water to dilute contamination levels low enough to comply with State and federal drinking water requirements. Table 3.11-3, Groundwater Volume Pumped (AFY), provides the pumping history for all PWP wells that produced groundwater between 2016 and 2020 (i.e., the five years prior to the publication of PWP's 2020 UWMP) (ESA 2022).

**TABLE 3.11-3
GROUNDWATER VOLUME PUMPED (AFY)**

Groundwater	Location or Basin Name	2016	2017	2018	2019	2020
Alluvial Basin	Raymond Basin (Monk Hill and Pasadena subareas)	10,650	11,150	10,690	7,481	11,230
Totals		10,650	11,150	10,690	7,481	11,230
afy = acre-feet per year						
Source: ESA 2022 (via <i>Pasadena Water and Power Final 2020 Urban Water Management Plan</i>).						

Historic Water Demands for Existing Land Uses

Historically, the Project site has been used for commercial uses. Table 3.11-4, Historic Project Site Water Demand, presents the estimated historic water demand for the existing on-site land uses.

**TABLE 3.11-4
HISTORIC PROJECT SITE WATER DEMAND**

Land Use Category	Square Feet	Generation Unit	GPD	GPY	AFY
Existing Land Uses to Remain					
Whole Foods Grocery	73,671	150 gpd/1,000 sf	11,051	4,033,487	12.38
Existing Land Uses to be Removed					
Fitness ^a (501 S. Arroyo Pkwy)	2,880	300 gpd/1,000 sf	864	315,360	0.97
Event Rentals ^a (523 S. Arroyo Pkwy)	3,002	100 gpd/1,000 sf	300	109,573	0.34
Animal Hospital (491/495 S. Arroyo Pkwy)	12,676	100 gpd/1,000 sf	1,268	462,674	1.42
Event Rentals (523 S. Arroyo Pkwy)	21,437	100 gpd/1,000 sf	2,144	782,452	2.40
Restaurant (Fast Casual) (541 S. Arroyo Pkwy)	7,493	1,000 gpd/1,000 sf	7,493	2,734,945	8.39
Restaurant (Fast Casual) (577 S. Arroyo Pkwy)	4,306	1,000 gpd/1,000 sf	4,306	1,571,690	4.82
Subtotals	45,912	N/A	16,375	5,976,693	18.34
Totals			27,426	10,010,180	30.72
^a The businesses at 501 and 523 South Arroyo Parkway would change from retail to fast-casual restaurant with Project implementation. These two existing uses are included as land uses to be removed to capture the increased water demand of restaurants compared to retail. gpd: gallons per day; gpy: gallons per year; afy: acre-feet per year; N/A: not applicable Source: ESA 2022.					

Based on conservative water resources planning estimates for these existing uses, existing water demand at the Project site is estimated at 30.72 afy. Whole Foods would remain on the Project site and continue to generate water demands throughout construction and operation of the Project. Two existing buildings totaling approximately 5,882 square feet (sf) would also remain on the Project site; fast-casual restaurant uses are proposed to replace the existing retail uses and analyzed in these two buildings as part of the Project water demand analysis (ESA 2022).

Wastewater

Infrastructure

The City of Pasadena sewer system contains about 350 miles of pipelines. About 94 percent of these sewers are City-owned and 3 percent are owned by the Los Angeles County Sanitation Districts' (LACSD), 2 percent by the Los Angeles County Public Works (LACPW), and 1 percent are privately owned. Sewers range from 6-inch- to 42-inch-diameter pipes for LACSD trunk sewers; however, the majority are eight-inch-diameter pipes (Pasadena 2015).

As indicated above, the City operates and maintains most of the local sanitary sewer collection system. The City's sanitary collection system consists of approximately 328 miles of gravity pipelines, serving most parcels within the City limits and conveys an annual average flow of approximately 14 million gallons per day (mgd). The City's wastewater collection system conveys untreated wastewater to Los Angeles County Sanitation District's (LACSD) trunk sewer system

via 92 separate connections. The City's sewer system operates under Los Angeles Regional Water Quality Control Board (LARWQCB) Order 2006-003-DWQ and Order 2013-0058-EXEC. These LARWQCB orders require the City to take a proactive approach to ensure a Citywide operation, maintenance, and management plan is in place to reduce the number and frequency of Sanitary Sewer Overflows (SSO) within the City and related monitoring and reporting requirements (Pasadena 2019).

Within the area of the Project, there are two existing City of Pasadena 8-inch diameter sewer lines in Arroyo Parkway and one 8-inch diameter sewer line in California Boulevard a 6-inch diameter domestic water line in Bellevue Drive, and a 12-inch diameter domestic water line in California Boulevard. The northern sewer line in Arroyo Parkway turns west at and connects to the line in California Boulevard; the southern line turns east. Wastewater flow in the local sewer lines serving the site discharge to either or both the LACSD's Arroyo Seco Section 4 Trunk Sewer, located in the northern terminus of Garfield Avenue at Hardison Place, or Arroyo Seco Section 5 Trunk Sewer, also located in the northern terminus of Garfield Avenue at Hardison Place (LACSD 2021a; Appendix A-2).

Treatment

The Project site is within LACSD's District 16 and wastewater from the site is treated either at the Whittier Narrows Water Reclamation Plant (WRP) located near the City of South El Monte or at the Los Coyotes WRP located in the City of Cerritos. The Whittier Narrows WRP has a capacity of 15.0 mgd and currently processes an average flow of 9.9 mgd, and the Los Coyotes WRP has a capacity of 37.5 mgd and currently processes an average flow of 21.3 mgd (LACSD 2021a). As shown in Table 3.11-5, Existing Wastewater Generation, based on the LACSD's applicable wastewater generation rates, the existing uses on the Project site generate approximately 26,849 gpd of wastewater. Without including Whole Foods Market, the existing uses on the site generate approximately 15,798 gpd of wastewater.

**TABLE 3.11-5
EXISTING WASTEWATER GENERATION**

Existing Use	Building Size	Wastewater Generation Rate	Estimated Wastewater Generation (gpd)
Whole Foods Grocery	73,671 sf	150 gpd / 1,000 sf	11,051
K9 Loft	12,676 sf	100 gpd / 1,000 sf	1,268
Corporate Furniture Resource	21,437 sf	100 gpd / 1,000 sf	2,144
Gold Line Pilates	2,880 sf	100 gpd / 1,000 sf	288
Town & Country Event Rentals	3,002 sf	100 gpd / 1,000 sf	300
Little Lily's Kitchen	7,493 sf	1,000 gpd / 1,000 sf	7,493
Guisado's Restaurant	4,306 sf	1,000 gpd / 1,000 sf	4,306
Total Wastewater Generation with Whole Foods Market			26,849
Total Wastewater Generation without Whole Foods Market			15,798
sf: square feet; gpd: gallons per day			
Source of generation rates: LACSD 2021b.			

Dry Utilities

PWP provides electrical services and Southern California Gas (The Gas Company) provides natural gas services in the City of Pasadena. Telecommunications (i.e., telephone, television, and/or internet) services are provided by several companies, including, but not limited to,

Spectrum, AT&T, and EarthLink. There is a backbone of dry utility infrastructure throughout the City, including adjacent to the Project site.

Solid Waste

Landfills Serving the City

According to California Department of Resources Recycling and Recovery (CalRecycle) records, in 2019 (the most recent year data is available) the City of Pasadena disposed of approximately 291,584 tons of waste as follows: approximately 247,032 tons at in-State landfills, 10,043 tons was transformed to energy, and 34,509 tons was alternative daily cover (CalRecycle 2021a). While the City's post-diversion municipal waste was disposed at a total of 16 in-State landfills (in 2019), approximately 74 percent of the waste stream was disposed at Scholl Canyon Landfill in Glendale. The City's per resident disposal rate target is 10.9 pounds per day (PPD) and the per employee disposal rate target is 15.3 PPD; in 2019, the City achieved disposal rates of 9.2 PPD per capita and 13.4 PPD per employee (CalRecycle 2021b).

Based on a solid waste generation rate for retail land uses of 0.006 pounds per day per sf, published in the City's General Plan EIR and derived from CalRecycle, the 125,465 sf of existing uses on the Project site generate approximately 753 pounds (0.37 tons) of solid waste per day.

3.11.2 RELEVANT PROGRAMS AND REGULATIONS

Federal

Safe Drinking Water Act

The Safe Drinking Water Act (SDWA), *Health and Safety Code*, Sections 116350–116405) was passed in 1974 and is intended to protect public health by regulating the nation's public drinking water supply. The Federal SDWA authorizes the U.S. Environmental Protection Agency (USEPA) to set national standards for drinking water to protect against contaminants. Amendments in 1996 expanded the focus of the SDWA from primarily water treatment to enhanced source water protection, operator training, funding for water system improvements, and public information as important components of protecting drinking water supplies. The SDWA applies to every public water system in the United States and sets the enforceable maximum contaminant levels (MCLs) for drinking water supplies.

State

Safe Drinking Water Act

California enacted its own Safe Drinking Water Act, with the California Department of Health Services (DHS) granted primary enforcement responsibility. Title 22 of the *California Code of Regulations* (CCR) (Division 4, Chapter 15, "Domestic Water Quality and Monitoring Regulations") established DHS authority and provides drinking water quality and monitoring requirements, which are equal to or more stringent than federal standards.

Senate Bill 610

Senate Bill (SB) 610 amended State law¹ to improve the link between information on water supply availability and certain land use decisions made by cities and counties. Specifically, it requires land use planning entities (in this case, the City of Pasadena), when evaluating certain large development projects, to request a water supply availability assessment from the water supply entity that would provide water to the project. A water supply assessment (WSA) must be prepared in conjunction with the land use approval process associated with a project, and it must include an evaluation of the sufficiency of the water supplies available to the water supplier to meet existing and anticipated future demands (including the demand associated with the project in question) over a 20-year horizon that includes normal, single-dry, and multiple dry-years. An SB 610 WSA is required for any “project” that is subject to CEQA and that proposes, among other things, residential development of more than 500 dwelling units.

Urban Water Management Planning Act

The Urban Water Management Planning Act (UWMP Act) (*California Water Code*, Division 6, Part 2.6, Section 10610 et seq.) was enacted in 1983. The UWMP Act applies to municipal water suppliers that serve more than 3,000 customers or provide more than 3,000 afy of water. The UWMP Act requires these suppliers to update their Urban Water Management Plan every five years to demonstrate an appropriate level of reliability in supplying anticipated short-term and long-term water demands during normal, dry, and multiple dry years.

Water Conservation in Landscaping Act

The Water Conservation in Landscaping Act of 2006 (Assembly Bill 1881) requires cities and counties, including charter cities and charter counties, to adopt landscape water conservation ordinances by January 1, 2010. The Department of Water Resources (DWR) prepared an updated Model Water Efficient Landscape Ordinance (MWELO), as contained in *California Code of Regulations* Title 23, Division 2, Chapter 2.7. Cities and counties have the option to adopt DWR’s ordinance or to develop their own. DWR’s ordinance identifies the landscape documentation that needs to be submitted to the local agency, including a completed Water Efficient Landscape Worksheet that estimates total water use and compares it to the Maximum Applied Water Allowance (MAWA) based on the annual reference evapotranspiration value for the project area. The MAWA is considered the water budget and should not be exceeded by the estimated water use. Standards for soil management, landscape design, irrigation design and efficiency, grading design, irrigation scheduling, maintenance, audit and survey of water use, recycled water, storm water management, public education, and wastewater prevention are provided to reduce irrigation water demand. The City of Pasadena has incorporated DWR’s MWELO into its Municipal Code (Section 17.44.050).

Senate Bill 7

Senate Bill 7 (SBX7-7) was approved in November 2009 and requires urban water retail suppliers in California, which includes the City of Pasadena, to reduce per capita water use by at least 10 percent on or before December 31, 2015 and achieve a 20 percent reduction by December 31, 2020. An urban retail water supplier must have included in its urban water management plan for the 2010 update, the baseline daily per capita water use, urban water use target, interim urban water use target, and compliance daily per capita water use, along with the bases for determining those estimates, including references to supporting data. Urban wholesale water suppliers shall

¹ SB 610 amended section 21151.9 of the *California Public Resources Code*, and amended sections 10631, 10656, 10910, 10911, 10912, and 10915 of, repealed section 10913 of, and added and amended section 10657 of, the *California Water Code*.

include an assessment of their present and proposed future measures, programs, and policies to help achieve the water use reductions required by this bill.

Urban retail water suppliers and agricultural water suppliers would not be eligible for State water grants or loans for surface water or groundwater storage, recycling, desalination, water conservation, water supply reliability, and water supply augmentation unless they comply with the water conservation requirements established by this bill.

Title 24 Green Building Standards

The 2019 California Green Building Standards Code (24 CCR, Part 11), also known as the CALGreen code, contains mandatory requirements for new residential and nonresidential buildings (including buildings for retail, office, public schools and hospitals) throughout California. The development of the CALGreen Code is intended to (1) cause a reduction in greenhouse gas (GHG) emissions from buildings; (2) promote environmentally responsible, cost effective, healthier places to live and work; (3) reduce energy and water consumption; and (4) respond to the directives by the Governor. The CALGreen Code contains requirements for construction site selection, storm water control during construction, construction waste reduction, indoor water use reduction, material selection, natural resource conservation, site irrigation conservation, and more. The code provides for design options allowing the designer to determine how best to achieve compliance for a given site or building condition. The code also requires building commissioning, which is a process for the verification that all building systems, such as heating and cooling equipment and lighting systems, are functioning at their maximum efficiency.

Section 5.408 of the current CALGreen code requires that at least 65 percent of the nonhazardous construction and demolition waste from nonresidential construction operations be recycled and/or salvaged for reuse.

California Plumbing Code

Part 5 of the California Building Code (Title 24 of the Code of Regulations) is the California Plumbing Code, which provides standards for the design and construction of water and sewer systems, storm drains, and recycled water systems in buildings. It prohibits connection to a septic tank in areas served by a public sewer system and requires the proper abandonment of septic tanks, cesspools, and seepage pits.

AB 939 and California Solid Waste Reuse and Recycling Access Act of 1989

In 1989, the California legislature passed a bill (Assembly Bill [AB] 939), which requires jurisdictions to reduce the amount of solid waste disposed of in landfills by 50 percent by the year 2000 and thereafter. The purpose of AB 939 is to “reduce, recycle, and reuse solid wastes generated in the State to the maximum extent feasible”. AB 939 also requires California counties to show 15 years of disposal capacity for all jurisdictions in the county or show a plan to transform or divert its waste.

Subsequent to AB 939, additional legislation was passed to assist local jurisdictions in accomplishing the required waste reduction goals. The California Solid Waste Reuse and Recycling Access Act of 1991 directs CalRecycle to draft a “model ordinance” relating to adequate areas for collecting and loading recyclable materials in development projects.

Solid Waste Disposal Measurement Act of 2008 (Senate Bill 1016)

The purpose of the Solid Waste Disposal Measurement Act of 2008 (SB 1016) is to make the process of goal measurement (as established by AB 939) simpler, timelier, and more accurate.

SB 1016 builds on AB 939 compliance requirements by implementing a simplified measure of jurisdictions' performance. SB 1016 accomplishes this by changing to a disposal-based indicator—the per capita disposal rate—which uses only two factors: (1) a jurisdiction's population (or in some cases employment) and (2) its disposal as reported by disposal facilities.

Each year CalRecycle will calculate each jurisdiction's per capita (per resident or per employee) disposal rates; the per capita disposal rate will be used for most jurisdictions. Each year's disposal rate will be compared that jurisdiction's 50 percent per capita disposal target. As such, jurisdictions will not be compared to other jurisdictions or the statewide average, but they will only be compared to their own 50 percent per capita disposal target. Among other benefits, per capita disposal is an indicator that allows for jurisdiction growth because as residents or employees increase, report-year disposal tons can increase and still be consistent with the 50 percent per capita disposal target. A comparison of the reported annual per capita disposal rate to the 50 percent per capita disposal target will be useful for indicating progress, or other changes, over time.

75 Percent Initiative

In 2011, Governor Brown signed AB 341, which sets a goal of 75 percent recycling, composting, or source reduction of solid wastes by 2020. It also mandated commercial recycling by 2012. The 75 percent goal will shift the focus from local diversion to a Statewide approach that would decrease reliance on landfills. CalRecycle has been holding workshops with stakeholders since May 2012 to identify existing programs and new ways to reduce the waste streams. A number of programs will be implemented under this initiative, including continued local jurisdiction diversion; commercial recycling; mattress recovery; greenhouse gas reduction grant and loan program; commercial organics recycling; potential packaging reduction activities; and other new programs that are under development.

Mandatory Commercial Organics Recycling Bill (AB 1826)

In 2014, Governor Brown signed AB 1826, requiring businesses to recycle their organic waste on and after April 1, 2016, depending on the amount of waste they generate per week. This law also requires that on and after January 1, 2016, local jurisdictions across the State implement an organic waste recycling program to divert organic waste generated by businesses, including multi-family residential dwellings that consist of five or more units. Organic waste means food waste, green waste, landscape and pruning waste, nonhazardous wood waste, and food-soiled paper waste that is mixed in with food waste. The minimum threshold of organic waste generation by businesses decreases over time, which means an increasingly greater proportion of the commercial sector will be required to comply.

Short-Lived Climate Pollutant Reduction Strategy (AB 1383)

In September 2016, Governor Brown signed AB 1383, which set methane emissions reduction targets for California in a Statewide effort to reduce emissions of short-lived climate pollutants. The AB 1383 targets are to:

- Reduce organic waste disposal 50 percent by 2020 and 75 percent by 2025.
- Rescue for people to eat at least 20 percent of currently disposed surplus food by 2025.

While the ultimate goal of this bill is to reduce greenhouse gas emissions, it also serves to help reduce landfill disposal of a segment of municipal waste.

Regional

Sanitation Districts of Los Angeles County Wastewater Ordinance

In 1972, the LACSD adopted a Wastewater Ordinance, which was most recently amended in 1998, for the operation and financing of the LACSD's wastewater conveyance, treatment, and disposal facilities. The Wastewater Ordinance applies to all direct and indirect discharges of wastewater to any part of the sewerage system and regulates industrial wastewater discharges to protect the public sewerage system. The LACSD also charges Connection Fees and Surcharges. The Surcharge program requires all industrial companies discharging to the LACSD's sewerage system to pay their fair share of the wastewater treatment and disposal costs. The Connection Fee program requires all new users of the LACSD's sewerage system, as well as existing users that significantly increase the quantity or strength of their wastewater discharge, to pay their fair share of the costs for providing additional conveyance, treatment, and disposal facilities. The LACSD uses the fees for the expansion and improvement of their facilities, as needed, to serve existing and anticipated developments.

City

Urban Water Management Plan

The 2020 Urban Water Management Plan (UWMP) for the City of Pasadena was prepared to meet the mandates of the California Urban Water Management Planning Act. The 2020 UWMP identifies historic and projected water supplies available to the City of Pasadena; existing and projected water demand; available water rights; and programs to meet demand during an average year, single-dry year, and a five consecutive year drought. The UWMP is the foundational document for compliance with both the *California Water Code* and SB 610 and SB 221 documentation for applicable development projects in the City (PWP 2021a).

Water System and Resources Plan

The Water System and Resources Plan (WSRP) for the City of Pasadena, adopted by the City Council on October 4, 2021, is a 25-year strategy that integrates investments for sustainable water resources with the infrastructure necessary to ensure high quality water service continues to be provided now and in the future. This is the first time that PWP has combined a long-term resource plan and an infrastructure master plan, as these were previously two separate documents. The comprehensive WSRP document provides the programmatic view of the entire water operations from the source to the customers' tap. The WSRP is proposed to be revisited every five years with an internal review every two to three years. This type of periodic review is intended to ensure that the WSRP addresses evolving issues and local, regional, State or federal considerations.

The WSRP evaluates the current and projected needs of the customers for potable and non-potable water that provides risk-based screening of alternatives to meet future demands with necessary infrastructure within the reasonable operational and financial constraints. Major considerations include water quality, greater dependency on local water, groundwater basin stability, reliability of the distribution system, affordability, climate change uncertainties, and legislative and regulatory requirements (PWP 2021b).

Municipal Code

Chapter 13.10, Water Waste Prohibitions and Water Supply Shortage Plans, of the Pasadena Municipal Code (PMC) establishes 13 permanent water conservation requirements. Section 17.44.050 et. seq. of the PMC establishes the City's Model Water Efficient Landscape Ordinance (MWELo), consistent with State requirements.

Chapter 13.24 of the PMC includes sewer construction and maintenance standards and requirements. Chapter 4.52 of the PMC establishes sewer use rates; and Chapter 4.53 of the PMC ensures that new development pays its estimated cost for any capacity upgrades to the City sewer system through the payment of the sewer facility charge.

Chapters 8.60 of the PMC discusses City collection services, collection frequency and time, service fees, waste reduction, waste container, and bulky item pick up. Chapter 8.61 of the PMC addresses collecting, transporting, disposing, and/or recycling of solid waste to maintain the health, safety, public welfare, and quality of life in the City. It also addresses the franchisee recycling diversion rates for solid waste, and construction and demolition debris. Chapter 8.62 of the PMC requires all covered projects to divert a minimum of 75 percent of construction and demolition debris pursuant to State and local statutory goals and policies. Additionally, specific waste management plans and final compliance reports are also required. The Project and Project with Building A Residential/Commercial would be a covered project.

3.11.3 THRESHOLDS OF SIGNIFICANCE

The following significance criteria are derived from Appendix G of the State CEQA Guidelines. A project would result in a significant adverse impact related to utilities and service systems if it would:

- Threshold 3.11a:** Require or result in the relocation or construction of new or expanded water, wastewater treatment or storm water drainage, electric power, natural gas, or telecommunications facilities the construction or relocation of which could cause significant environmental effects;²
- Threshold 3.11b:** [Not] have sufficient water supplies available to serve the project and reasonably foreseeable future development during normal, dry and multiple dry years;
- Threshold 3.11c:** Result in a determination by the wastewater treatment provider which serves or may serve the Project that it does not have adequate capacity to serve the project's projected demand in addition to the provider's existing commitments;
- Threshold 3.11d:** Generate solid waste in excess of State or local standards, or in excess of the capacity of local infrastructure, or otherwise impair the attainment of solid waste reduction goals; and/or
- Threshold 3.11e:** [Not] comply with federal, State, and local management and reduction statutes and regulations related to solid waste.

² The Initial Study (provided in Appendix A-1) concluded that all thresholds related to hydrology and water quality, including storm drainage capacity, would result in no impacts or less than significant impacts and were not carried forward into the Draft EIR.

3.11.4 METHODOLOGY

The wet and dry utility service providers were consulted for information regarding current infrastructure and/or capacity and to determine if the proposed Project or Project with Building A Residential/Commercial would significantly impact the respective providers' capacity such that relocation or construction of new or expanded wet or dry utilities would be required, whose construction could result in an environmental impact. Other information presented in this section was derived from CalRecycle's website, City's website, the adopted General Plan and related EIR, the NOP comment letter from the LACSD, and LACPW's *Countywide Integrated Waste Management Plan 2019 Annual Report*.

3.11.5 ENVIRONMENTAL IMPACTS

Threshold 3.11a: Would the Project require or result in the relocation or construction of new or expanded water, wastewater treatment or storm water drainage, electric power, natural gas, or telecommunications facilities the construction or relocation of which could cause significant environmental effects?

Threshold 3.11c: Would the Project result in a determination by the wastewater treatment provider which serves or may serve the Project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments?

Project

As shown on Exhibit 2-17a and 2-17b, Conceptual Utility Plans, in Section 2.0, Environmental Setting and Project Description, all connections to water and wastewater utilities and all dry utilities would occur on the east side of the proposed buildings, either within the adjacent sidewalk or in South Arroyo Parkway.

Water Infrastructure

As discussed above, PWP provides potable water to City residents and businesses. The Project would include installation of new potable and fire water connections to the existing PWP water lines. As discussed in Section 2.0, Environmental Setting and Project Description, all connections to wet and dry utilities would occur to the east on South Arroyo Parkway. Refer to Exhibits 2-17a and 2-17b, Conceptual Utility Plans, in Section 2.0 to see the locations of existing wet and dry utilities and the locations of proposed connections to utilities. There would be a less than significant impact related to the need for new, expanded, or relocated water infrastructure, and no mitigation is required.

The proposed water infrastructure would be constructed within the Project site as defined in Section 2.0 and the potential for construction-related impacts are analyzed throughout this Draft EIR, including short-term air quality (Section 3.1) and noise (Section 3.7).

Wastewater Conveyance and Treatment

As shown on Exhibit 2-17a and 2-17b, Conceptual Utility Plans, the Project would tie into the existing 8-inch diameter City of Pasadena sewer line within the eastern portion of Arroyo Parkway and would flow east at the connection with the 8-inch-diameter line in California Boulevard. Sewer line capacity is part of the City's standard plan check/project approval process. No relocation or construction of new or expanded City-owned sewer lines has been determined necessary with Project implementation.

Wastewater flow in the City's local sewer lines serving the site discharge to either or both the LACSD's Arroyo Seco Section 4 Trunk Sewer or Arroyo Seco Section 5 Trunk Sewer. The LACSD's 21-inch-diameter Arroyo Seco Section 4 Trunk Sewer has a capacity of 69.0 mgd and conveyed a peak flow of 2.1 mgd when last measured in 2015. The 16-inch-diameter Arroyo Seco Section 5 Trunk Sewer has a capacity of 4.3 mgd and conveyed a peak flow of 0.4 mgd when last measured in 2015. As discussed above, LACSD indicates that wastewater from the Project would be conveyed and treated at either the Whittier Narrows WRP, which has a remaining capacity of 5.1 mgd, or the Los Coyotes WRP, which has a remaining capacity of 16.2 mgd (LACSD 2021a).

The LACSD estimates a total of 92,642 gpd of wastewater generation from both the Project and Project with Building A Residential/Commercial (LACSD 2021a). The LACSD estimate does not include Whole Foods Market. As shown in Table 3.11-5 above, based on the LACSD's applicable wastewater generation rates, all existing uses on the Project site (including those to be retained and those to be replaced but not including Whole Foods Market) generate approximately 15,798 gpd of wastewater. Therefore, the Project would result in a net wastewater generation of approximately 76,844 gpd (0.076 mgd) from all uses on the site except Whole Foods Market. Wastewater flows of approximately 0.076 mgd represent 0.1 percent of the Arroyo Seco Section 4 Trunk Sewer, 1.8 percent of the Arroyo Seco Section 5 Trunk Sewer, 1.5 percent of the Whittier Narrows WRP, and 0.5 percent of the Los Coyotes WRP remaining capacity. Therefore, there would be no relocation or construction of new or expanded LACSD-owned sewer lines or wastewater treatment facilities with Project implementation. There would be a less than significant impact, and no mitigation is required.

Dry Utilities (Electrical, Natural Gas, and Telecommunications)

As shown on Exhibits 2-17a and 2-17b, in Section 2.0 of this EIR, the Project would tie into existing underground electric and telecommunications lines located in the sidewalk on the west side of Arroyo Parkway (adjacent to the site) and the existing natural gas line located along the east side of Arroyo Parkway. There are four existing natural gas meters within the eastern portion of the site; the Project proposes to tie in and reuse these gas meters and associated laterals crossing under Arroyo Parkway.

Electric and natural gas services are regulated by the California Public Utilities Commission (CPUC), which requires that these utilities provide services as required by the public. Telecommunications services are provided on demand in a free market system. The need for new, expanded, and/or relocated dry utilities would be determined as part of future individual projects and dependent on the conditions at each project site. There would be less than significant impacts related to the relocation or construction of dry utility infrastructure to serve the Project, and no mitigation is required.

Project with Building A Residential/Commercial

Water Infrastructure

The analysis of wet and dry utilities service for the Project with Building A Residential/Commercial would be the essentially the same as the Project. As with the Project, all connections to water and wastewater utilities and all dry utilities would occur on the east side of the proposed buildings, either within the adjacent sidewalk or in South Arroyo Parkway. The proposed water infrastructure would be constructed within the Project site as defined in Section 2.0, and the potential for construction-related impacts are analyzed throughout this Draft EIR, including short-term air quality (Section 3.1) and noise (Section 3.7). There would be a less than significant impact related to the need for new, expanded, or relocated water infrastructure, and no mitigation is required.

Wastewater Conveyance and Treatment

There would be similar wastewater generation for the Project with Building A Residential/Commercial. Therefore, as discussed for the Project, no relocation or construction of new or expanded City-owned sewer lines has been determined necessary.

As discussed above, the LACSD estimated the same wastewater generation for the Project and Project with Building A Residential/Commercial (LACSD 2021a). With consideration of the estimated wastewater generation from the existing land uses, there would be a net wastewater generation of approximately 76,844 gpd (0.076 mgd) from all uses on the site except Whole Foods Market. This represents a nominal percentage of the LACSD's trunk sewer or WRP's that serve the site. Therefore, there would be no relocation or construction of new or expanded LACSD-owned sewer lines or wastewater treatment facilities with implementation of the Project with Building A Residential/Commercial. There would be a less than significant impact, and no mitigation is required.

Dry Utilities (Electrical, Natural Gas, and Telecommunications)

As with the Project, the Project with Building A Residential/Commercial would tie into existing electric infrastructure bordering the site. As such, there would be less than significant impacts related to the relocation or construction of dry utility infrastructure, and no mitigation would be required.

Threshold 3.11b: Would the Project have sufficient water supplies available to serve the project and reasonably foreseeable future development during normal, dry and multiple dry years?

Project

2020 Water Demand

PWP provides potable and non-potable water for a mix of urban uses that includes residential, commercial, and governmental uses. There are no agricultural water services in the PWP's service area; however, a portion of water delivered is provided exclusively for landscape irrigation purposes. The gross water use entering PWP's distribution system is the total volume of water produced by PWP from local groundwater, plus the water imported from MWD, plus the groundwater purchased from local water agencies, minus the water delivered to other suppliers.

The total PWP water demands are based on water use sectors by starting with 2020 records of water sales by customer class, then using projected growth numbers for housing units and employment. The water demands incorporate passive conservation (code-based and price-effect savings) and active conservation (for installed active devices through 2020). Losses are assumed to be equal to the five-year average of losses from 2015 to 2019, which is approximately 6 percent to 9 percent of potable direct use demand. It is assumed that existing codes and ordinances related to water conservation would remain in place. Table 3.11-6, PWP's 2020 Water Demands, on the following page summarizes the calendar year 2020 water deliveries (ESA 2022).

**TABLE 3.11-6
PWP'S 2020 WATER DEMANDS**

Water Use Category	Total Volume (af)
Single-family residential	13,593
Multi-family residential	5,190
Commercial	6,530
Institutional/Governmental	1,311
Other Potable	80
Losses	2,586
Total Direct Use Demand	29,290
af: acre-feet Source: ESA 2022 (via <i>Pasadena Water and Power Final 2020 Urban Water Management Plan</i>).	

Historic Water Demands for Existing Land Uses

As shown in Table 3.11-4 above, existing water demand for all uses at the Project site is estimated at 30.72 afy. Whole Foods Market, which has an estimated annual water demand of 12.38 afy, would remain on the Project site and continue to generate water demands throughout construction and operation of the Project. Two existing buildings totaling approximately 5,882 square feet (sf) would also remain on the Project site; fast-casual restaurant uses are proposed to replace the existing retail uses and are analyzed in these two buildings as part of the Project water demand analysis (ESA 2022). The estimated water demand for all land uses to be removed or replaced (i.e., retail businesses at 501 and 523 South Arroyo Parkway) is 18.34 afy. As a conservative assumption, landscape water is not included in the historical water demands, which results in a slight overestimation of the Project's net increase in water demand relative to existing conditions (ESA 2022).

Projected Water Demand

Projected water use can be determined by examining past and current water use trends, along with consideration of land use planning data, climate change, and other factors relevant to sector-specific water use.

The City consists of a mix of land uses, including residential, commercial, industrial, institutional, and open space, with residential and commercial being the dominating uses. The City is largely built-out, and there are few vacant sites available for new developments. As such, growth is expected to be due primarily to increases in housing density and land use intensity.

Past water use, as it relates to PWP's service area, is detailed in its 2020 UWMP. MWD as the regional wholesale water supplier, prepares water resources reports, studies, and plans necessary to manage its regional water supplies based on current and future supply and demand scenarios. As part of its 2020 UWMP, MWD provided PWP and other member agencies with population and supply and demand calculations. Potable water demand for 2025, 2030, 2035, and 2040 are estimated by using the total retail demand projections provided by MWD as part of the regional planning process. Potable water demand for 2045 is sourced from the WSRP (Pasadena 2021b). Table 3.11-7, PWP Projected Water Demand (AF), presents the projected demand by water use classes. As shown, total demand is generally expected to increase, primarily due to the expected increase in housing units (ESA 2022).

**TABLE 3.11-7
PWP PROJECTED WATER DEMAND (AF)**

Water Use Category	2025	2030	2035	2040	2045
Single-Family	12,800	12,000	11,900	11,800	Not Available
Multi-Family	4,800	4,550	5,000	5,250	
Other	100	100	150	180	
Commercial	6,500	5,900	5,850	6,000	
Institutional/Governmental	900	850	870	900	
Unaccounted-for Losses	1,650	1,600	1,550	1,500	
Total	26,750	25,000	25,320	25,630	25,950
af: acre-feet					
Source: ESA 2022. (via Pasadena Water and Power Final 2020 Urban Water Management Plan and Water System and Resources Plan)					

Project Water Demand

Construction

Project construction activities are anticipated to commence in 2023 and be completed in 2026. Over this period, water would be used for dust control purposes during demolition, excavation, grading activities, equipment cleaning, vehicle wash downs, washout basins, and re-compaction of backfill materials, concrete pouring, and other construction-related uses. Based on construction projects of similar size and duration, a conservative estimate of construction water use is up to 50 gallons per day per 1,000 square feet (50 gpd/1,000 sf). Construction activities for the Project would occur on a site area of approximately 90,400 sf. Based on water use of 50 gpd/1000 sf of construction activities at the Project site, water use during construction is assumed to be 4,520 gpd. Water use during the 34-month (approximately 1,020 days) construction period would be up to approximately 4.61 million gallons (MG) or 14.1 af. Calculated annually, this would be approximately 1.63 MG/year or 4.99 afy for approximately 3 years of construction (ESA 2022).

Operation

Once fully operational, the expected water use of the Project is determined by analyzing demand based on planned uses. To determine the water demand factors of the Project, water use demand factors were formulated based on data from PWP's 2020 UWMP as well as current and historical uses at similar facilities and information from similar mixed-use projects. The Project water demand includes all indoor uses and landscape irrigation in all water year types. Table 3.11-8, Project Water Demand, presents the estimated annual water demand for the Project. The calculated demand of 93.91 afy (approximately 94 afy) represents the worst-case scenario (conservative estimate) of the potential demand for the Project. When considering the existing land uses on the site that generate an annual water demand of 30.72 afy, the net water demand for the Project would be 75.57 afy (approximately 76 afy) (ESA 2022).

In all water year types, including single-dry and multiple-dry years, it is anticipated that the worst case (conservative estimate) Project demand of approximately 76 afy would remain unchanged, unless consumers within the City's service area are specifically asked to reduce water use through active conservation measures described in PWP's 2020 UWMP (ESA 2022).

**TABLE 3.11-8
PROJECT WATER DEMAND**

Proposed Land Use	Amount	Units	Generation Rate	GPD	AFY
Project Land Uses					
Medical Office Building (A)					
Medical Office Building	151,000	sf	300 gpd/1,000 sf	45,300	50.74
Commercial (Fast Casual Restaurant)	3,000	sf	1,000 gpd/1,000 sf	3,000	3.36
Assisted Living Facility (B)					
Independent Living - Studios	28	du	156 gpd/du	4,368	4.89
Independent Living – 1 BR	53	du	156 gpd/du	8,268	9.26
Independent Living – 2BR	14	du	195 gpd/du	2,730	3.06
Assisted Living	113	beds	125 gpd/bed	14,125	15.82
Commercial (Fast Casual Restaurant)	5,882	sf	1,000 gpd/1,000 sf	5,882	6.59
Landscaping^a	N/A	N/A	170 gpd	170	0.19
Subtotals				83,843	93.91
Existing Land Use to Remain					
Whole Foods Market ^b	73,671	sf	150 gpd/1,000sf	11,051	12.38
Totals				94,894	106.29
Net Water Demand (Less 30.72 AFY for Existing Uses)					75.57
^a Landscaping water demand is based on estimated annual average daily water demand. ^b Existing structure and land use to be retained and continue operation in the existing condition du: dwelling units; sf: square feet; gpd: gallons per day; gpy: gallons per year; afy: acre-feet per year; N/A: not applicable Source: ESA 2022.					

Water Supply Sufficiency

MWD's Water Supply Sufficiency

MWD strives for a “diverse water portfolio” that allows it to meet demand even in years when its primary supplies would be inadequate. In fact, MWD has developed a water supply portfolio capable of meeting all demands in any given year. As documented in its 2020 UWMP, MWD plans for drought conditions and potential water shortages, and therefore has taken measures to have water in storage within its existing water supply systems and facilities to use during years when SWP and CRA supplies are curtailed. Using surplus water from normal and wet years, MWD's large storage portfolio contains both dry-year storage and emergency storage that can be used to meet demand in case of shortages.

As documented in its 2020 Integrated Resource Plan (IRP), scenario planning components are being used to predict a broader range of possible water supply and demand future scenarios. MWD's UWMP, its Water Shortage Contingency Planning (WSCP) and Drought Risk Assessments (DRA) use a similar approach to assess reliability of water supplies and sufficiency to meet demand. Operational studies used in the WSA demonstrate that MWD has sufficient water supply to meet the anticipated future demand for every hydrologic year on record. Therefore, MWD does not anticipate any reductions in water supply availability, even if SWP and/or CRA supplies are curtailed due to drought and/or water quality concerns over the study period. In years of above-average rainfall, MWD can store more water throughout its storage system, effectively building up more supplies for single-dry or multiple-dry years (ESA 2022).

MWD's and PWP's UWMPs address climate change and its impact on supplies as required by DWR in their UWMP Guidelines. More recent actions, such as DWR's initial SWP allocation of 0 percent for 2022 in December 2021 with planned reassessment in early 2022 (DWR 2021a), while not specifically mentioned in MWD's UWMP, should not be a cause for alarm as their single dry year projections for supply addressed near zero supply and there is adequate supply in storage to cover the small difference. Additionally, the DWR's initial SWP allocation is typically set low (conservative) and the Spring allocation is typically adjusted upwards, based on rainfall and snowpack figures. While the heavy December rainfall and the December 30, 2021, Sierra snowpack value of 202 percent of average for this time of year (DWR 2021b) do not guarantee an end to the current drought, it is positive news and could enable DWR to increase the SWP allocation in April.

CRA supplies are in the news recently and will be declining to all western states based on low reservoir levels on that system due to drought conditions. However, these reductions were also included in MWD's scenario planning in their IRP, UWMP, WSCP, and DRA. Additionally, starting with 2022, DWR now requires each agency that prepares an UWMP (including MWD and PWP) to prepare an Annual Water Shortage Assessment to address current water supply and demand conditions and file a report with DWR beginning July 1, 2022, and by July 1st of each successive year. If a supply shortage is predicted, the agency is required to show what demand reduction measures will be undertaken to eliminate any shortfall as required by Section 10632.1 of the Water Code. This annual assessment and associated reporting are to be conducted based on the supplier's procedures detailed in their WSCP. PWP will coordinate with their regional suppliers, MWD and the Watermaster to prepare this annual assessment.

PWP's Water Supply Sufficiency

Table 3.11-9, PWP Normal-Year Potable Water Supply and Demand Comparison (AFY), summarizes the City's projected supply and demand over an approximate 25-year planning horizon out to 2045 under normal water year conditions. As shown in Table 3.11-9, PWP can satisfy all customer demands.

**TABLE 3.11-9
PWP NORMAL-YEAR POTABLE WATER SUPPLY AND DEMAND
COMPARISON (AFY)**

Water Supply Source	2025	2030	2035	2040	2045
Supply Totals	31,087	31,192	31,284	31,537	31,409 ^a
Demand Totals	26,750	25,000	25,320	25,630	25,950 ^b
Difference	4,328	6,192	5,964	5,907	5,459
^a The 2045 supply total is projected based on a second order polynomial extrapolation (e.g., curve of best fit) from year 2025, 2030, 2035, and 2040 data in the PWP Final 2020 Urban Water Management Plan. The anticipated 2045 imported water projected in this table may differ from PWP's official projection in future updates to its 2020 UWMP. ^b PWP 2020 Water System and Resource Plan (Appendix A, p. A-6) afy: acre-feet per year Source: ESA 2022 (via Pasadena Water and Power Final 2020 Urban Water Management Plan and Water System and Resources Plan).					

The future water demand for the City and the entire region has been estimated by MWD using its new Econometric Demand Model, which uses forecast data from SCAG for variables including population, housing units, and employment. Although the City is using lower demand projections, which consider the reductions to meet 20x2020 targets, these MWD projections provide the basis for dry-year reliability planning.

PWP's 2020 UWMP projects that neither PWP nor its customers would experience supply deficits in normal or non-drought years through the year 2040. As a result, PWP does not expect critical shortages during the 20-year planning period. When taking dry and multiple dry years into account, PWP's water supply and demand forecasting model projected that beginning in 2020 and extending to 2040, PWP can meet its service area water demand approximately 91 percent of the time without implementing conservation measures. While in the remaining 9 percent of this period, the projected water supply shortage could range from approximately 1,000 to 1,500 afy. Additionally, based on extrapolated data from PWP's 2020 UWMP, critical shortages would not be expected through 2045. Chapter 8, Water Shortage Contingency Plan, of the PWP 2020 UWMP, explains how PWP intends to act in the case of an actual water shortage condition. The WSCP anticipates a water supply shortage and provides pre-planned guidance for managing and mitigating a shortage. Prior to invoking the WSCP, PWP can implement voluntary or mandatory demand management measures (DMMs), as described in detail in Chapter 9 of its 2020 UWMP. Through planned implementation of DMMs, PWP forecasts that no critical shortages will take place during the 20-year planning period. PWP has continuously implemented a water conservation program since 1991. Voluntary and mandatory DMMs can reduce demand by 10 percent up to as much as 25 percent in some years.

PWP may also implement water conservation measures pursuant to Chapter 13.10 of the PMC when the City Council determines, in its sole discretion, that due to drought or other water supply conditions a water supply shortage or threatened shortage exists and demand reduction is necessary to make more efficient use of water and appropriately respond to existing water conditions. On August 16, 2021, the Pasadena City Council unanimously approved a proposal to implement the Level 2 Water Supply Shortage Plan and to establish a voluntary water reduction target of 15 percent, which aligns with the state's reduction goal. Per Section 13.10.045 of the PMC, during a declared Level 2 water supply shortage, the following water conservation requirements apply:

1. Limits on Watering Days: Watering or irrigating of lawn, landscape or other vegetated area with water is limited to 2 days per week from April 1 through October 31, and no more than 1 day per week from November 1 through March 31, on a schedule established and posted by the department. This subsection does not apply to categories of use determined to be exempt under Section 13.10.037 of this chapter.
2. Obligation to Fix Leaks, Breaks or Malfunctions: All leaks, breaks or other malfunctions in the water user's plumbing or distribution system shall be repaired within 48 hours of notification by the department unless other arrangements are made with the department.
3. Limits on Filling Ornamental Lakes or Ponds: Filling or re-filling ornamental lakes or ponds is prohibited, except to the extent needed to sustain aquatic life, or for lakes and ponds that may be used for wildfire suppression.

The water conservation target and Level 2 Water Shortage Plan became effective immediately upon approval by the City Council and is in effect until such time as the City Council determines that a water supply shortage no longer exists or that another water supply shortage plan is necessary. The PMC also establishes water conservation measures for Level 3 and 4 water supply shortages where determined to exist by the City Council.

Table 3.11-10, PWP Single-Dry-Year Potable Water Supply and Demand Comparison (AFY), on the following page, and Table 3.11-11, PWP Multiple-Dry-Year Potable Water Supply and Demand Comparison (AFY), on page 3-22 provide a comparison of supply to demand during single-dry- and multiple-dry-year periods, respectively. As shown in these tables, water demand in the City would increase over the 25-year planning period. Water supplies provided by MWD

and supplemented by groundwater supplies are sufficient to meet demand. PWP can meet existing demand, in addition to new demand created by the Project, and no shortfall would occur (ESA 2022).

Multiple-Dry Years

As shown in Table 3.11-11, the City's water supply during a dry period could exceed the supplies used during a normal year given the ability to purchase additional imported supplies from its wholesaler, MWD. Furthermore, MWD projects sufficient supplies and storage to meet demands in future single- and multiple-dry-year scenarios. MWD's contingency plan for responding to water shortages is the Water Supply Allocation Plan (WSAP). The WSAP is based on a guiding principle for allocating shortages across MWD's service area. The WSAP formula uses different adjustments and credits to balance impacts of water shortage at the retail level, where local supplies can vary dramatically, and provide equity on the wholesale level among member agencies. It also considers the following: growth in demand, local investments, change in local supply conditions, the reduction in potable water demand from recycled water, and the implementation of water conservation programs.

As shown in Table 3.11-12, Five-Year Drought Risk Assessment, on page 3-11-22, PWP has chosen to use the same dry-year hydrologic scenarios as MWD. This allows PWP to use information about imported water supply reliability derived from modeling completed through the 2015 IRP Update process. Due to MWD's investments in continued reliability and sustainability programs that consider climate change issues, the projections shown in Table 3.11-12 do not vary. Therefore, the City's supply is determined to be reliable in normal-, single-dry-, and multiple-dry-year scenarios, with additional supplies purchased from MWD to meet demands in dry years as needed (ESA 2022).

**TABLE 3.11-10
PWP SINGLE-DRY-YEAR POTABLE WATER SUPPLY
AND DEMAND COMPARISON (AFY)**

	2025	2030	2035	2040	2045
Supply Totals	31,886	32,003	32,098	31,172	32,224 ^a
Demand Totals	26,750	25,000	25,320	25,630	25,950 ^b
Difference	5,136	7,003	6,778	6,542	6,274
^a The 2045 supply total is projected based on a second order polynomial extrapolation (e.g., curve of best fit) from year 2025, 2030, 2035, and 2040 data in the PWP Final 2020 Urban Water Management Plan. The anticipated 2045 imported water projected in this table may differ from PWP's official projection in future updates to its 2020 UWMP.					
^b PWP 2020 Water System and Resource Plan (Appendix A, p. A-6)					
afy: acre-feet per year					
Source: ESA 2022 (via Pasadena Water and Power Final 2020 Urban Water Management Plan and Water System and Resources Plan).					

**TABLE 3.11-11
PWP MULTIPLE-DRY-YEAR POTABLE WATER SUPPLY
AND DEMAND COMPARISON (AFY)**

Years	2025	2030	2035	2040	2045
Year 1					
Supply Totals	31,533	31,943	32,047	32,130	31,978 ^a
Demand Totals	26,750	25,000	25,320	25,630	25,950 ^b
Difference	4,783	6,943	6,727	6,500	6,028
Year 2					
Supply Totals	31,533	31,943	32,047	32,130	31,978 ^a
Demand Totals	26,750	25,000	25,320	25,630	25,950 ^b
Difference	4,783	6,943	6,727	6,500	6,028
Year 3					
Supply Totals	31,533	31,943	32,047	32,130	31,978 ^a
Demand Totals	26,750	25,000	25,320	25,630	25,950 ^b
Difference	4,783	6,943	6,727	6,500	6,028
Year 4					
Supply Totals	31,533	31,943	32,047	32,130	31,978 ^a
Demand Totals	26,750	25,000	25,320	25,630	25,950 ^b
Difference	4,783	6,943	6,727	6,500	6,028
Year 5					
Supply Totals	31,533	31,943	32,047	32,130	31,978 ^a
Demand Totals	26,750	25,000	25,320	25,630	25,950 ^b
Difference	4,783	6,943	6,727	6,500	6,028
^a The 2045 supply total is projected based on a second order polynomial extrapolation (e.g., curve of best fit) from year 2025, 2030, 2035, and 2040 data in the PWP Final 2020 Urban Water Management Plan. The anticipated 2045 imported water projected in this table may differ from PWP's official projection in future updates to its 2020 UWMP. ^b PWP 2020 Water System and Resource Plan (Appendix A, p. A-6) afy: acre-feet per year Source: ESA 2022 (via Pasadena Water and Power Final 2020 Urban Water Management Plan and Water System and Resources Plan).					

**TABLE 3.11-12
FIVE-YEAR DROUGHT RISK ASSESSMENT**

	2021	2022	2023	2024	2025
Total Water Use (afy)	28,500	28,065	27,625	27,200	26,750
Total Supplies (afy)	29,290	31,533	31,533	31,533	31,533
Surplus/Shortfall w/o WSCP Action	790	3,468	3,908	4,333	4,783
Planned WSCP Actions (Use Reduction and Supply Augmentation)					
WSCP – Supply Augmentation Benefit	182	182	182	182	182
WSCP – Use Reduction Savings Benefit	56	1,129	1,129	1,129	1,129
Revised Surplus / (Shortfall)	1,028	4,779	5,219	5,644	6,094
Resulting Use Reduction from WSCP Action	0%	4%	4%	4%	4%
afy: acre-feet per year; WSCP: Water Supply Contingency Plan Source: ESA 2022 (via Pasadena Water and Power Final 2020 Urban Water Management Plan and Water System and Resources Plan).					

Even though Tables 3.11-10 and 3.11-11 show available MWD supply is sufficient to meet PWP's demands, based on MWD's IRP model simulations for the future under different hydrology conditions, it is possible that some extreme dry years could result in MWD shortage allocations. MWD's model does show some potential years in which shortage allocations would be applied, reducing supply to PWP. For the years in which MWD supply could be reduced, the WSCP is in place. Table 3.11-12 provides the data for a five-year drought risk assessment both with and without the WSCP in place.

The WSA concludes that the City has sufficient water supplies under all hydrologic conditions, through agreements with and provided by MWD and use of its existing groundwater pumping rights from the RB. Because of MWD's long-term success of delivery of water to all customers and commitment to continue to serve treated water to all retailers, when SWP and CRA curtailments occur, MWD has supply flexibility through its vast network of water supply facilities and long-term water management programs to continue to meet all demands. In addition, PWP could pump additional local groundwater during drought, emergency, or other surface supply reductions to meet demands in the future. Furthermore, consumers and retailers could effectively reduce demands by 10 or 25 percent to relieve demand pressure on local and regional supplies. It is reasonable to assume, based on the consumer demand reductions that PWP customers would continue to curb per-capita use and when necessary, based on water supply allocations, customers could reduce per capita demands by up to 25 percent (ESA 2022).

Project Water Supply Sufficiency

As discussed above, in normal years the Project would conservatively generate an estimated 76 afy of new water demand, or about 0.24 percent of the City's anticipated total system supply of 31,078 afy in 2025, 0.24 percent of the supply of 31,537 afy in 2040, and 0.24 percent of the supply of 31,409 afy in 2045 (ESA 2022).

As stated previously, the 2020 UWMP aligns with Pasadena's population and land use and is consistent with SCAG population and employment projections; and thereby includes potential water demands that would be generated by land use changes and new commercial and residential developments like the Project. Additionally, PWP staff reviewed the WSA for the Project and concluded that the WSA meets the requirements of SB 610 and SB 221 and concurs that PWP would have sufficient water supplies to meet existing demands combined with the Project's estimated demands of 76 afy and cumulative demands anticipated in the 2020 UWMP (PWP 2022). Therefore, there would be sufficient water supplies available to serve the Project and reasonably foreseeable future development during normal, dry, and multiple dry years. There would be a less than significant impact related to water supplies, and no mitigation is required.

Project with Building A Residential/Commercial

Table 3.11-13, Project with Building A Residential/Commercial Water Demand, on the following page presents the estimated annual water demand for the Project with Building A Residential/Commercial. The Project with Building A Residential/Commercial water demand includes all indoor uses and landscape irrigation in all water year types. The calculated demand of 86.20 (approximately 86 afy) represents the worst-case scenario (conservative estimate) of the potential demand for the Project with Building A Residential/Commercial. When considering the existing land uses on the site and which generate an annual water demand of 30.72 afy, the net water demand for the Project with Building A Residential/Commercial would be 67.86 afy (approximately 68 afy) (ESA 2022).

**TABLE 3.11-13
PROJECT WITH BUILDING A WITH RESIDENTIAL/COMMERCIAL
WATER DEMAND**

Proposed Land Use	Amount	Units	Generation Rate	GPD	AFY
Project with Building A Residential/Commercial Land Uses					
Medical Office Building (A)					
Residential ^a	197	sf	195 gpd/du	38,415	43.03
Commercial (Fast Casual Restaurant)	3,000	sf	1,000 gpd/1,000 sf	3,000	3.36
Assisted Living Facility (B)					
Independent Living - Studios	28	du	156 gpd/du	4,368	4.89
Independent Living – 1 BR	53	du	156 gpd/du	8,268	9.26
Independent Living – 2BR	14	du	195 gpd/du	2,730	3.06
Assisted Living	113	beds	125 gpd/bed	14,125	15.82
Commercial (Fast Casual Restaurant)	5,882	sf	1,000 gpd/1,000 sf	5,882	6.59
Landscaping^b	N/A	N/A	170 gpd	170	0.19
Subtotals				76,956	86.20
Existing Land Use to Remain					
Whole Foods Market ^c	73,671	sf	150 gpd/1,000sf	11,051	12.38
Totals				88,009	98.58
Net Water Demand (Less 30.72 AFY for Existing Uses)					67.86
^a For conservative water resources planning purposes residential living units were assumed to be 2 bedroom units with associated water demand of 195 gpd/du. ^b Landscaping water demand is based on estimated annual average daily water demand. ^c Existing structure and land use to be retained and continue operation in the existing condition du: dwelling units; sf: square feet; gpd: gallons per day; gpy: gallons per year; afy: acre-feet per year; N/A: not applicable Source: ESA 2022.					

An annual water demand of 68 afy represents 0.22 percent of the City's anticipated total system supply of 31,078 afy in 2025, 0.22 percent of the supply of 31,537 afy in 2040, and 0.22 percent of the supply of 31,409 afy in 2045. The water demand for this scenario is approximately 8 afy lower than for the Project. Additionally, PWP staff reviewed the WSA for the Project and concluded that the WSA meets the requirements of SB 610 and SB 221 and concurs that PWP would have sufficient water supplies to meet existing demands combined with the Project with Building A Residential/Commercial's estimated demands of 68 afy and cumulative demands anticipated in the 2020 UWMP (PWP 2022). Therefore, as with the Project, there would be sufficient water supplies available to serve the Project with Building A Residential/Commercial and reasonably foreseeable future development during normal, dry, and multiple dry years. There would be a less than significant impact related to water supplies, and no mitigation is required.

Threshold 3.11d: Would the Project generate solid waste in excess of State or local standards, or in excess of the capacity of local infrastructure, or otherwise impair the attainment of solid waste reduction goals?

Project

Demolition required to construct the Project is estimated to generate approximate 4,200 cy of debris. In addition, there would be a limited volume of general construction debris during subsequent construction phases, such as packaging, excess construction materials, and food

wrappers. For purposes of this analysis, a conservative estimate of 4,500 cy of construction waste is anticipated. As discussed above, the City's C&D ordinance requires diversion of at least 75 percent of the construction waste stream from landfill disposal. Therefore, an estimated 1,125 cy of waste would be disposed in a landfill. For purposes of this analysis, it is assumed that all construction-phase waste would be disposed at Scholl Canyon Landfill, as it received the majority of the City's total waste stream in 2019 (the most recent publicly available data) and is the closest facility that accepts City waste. As of the end of 2019, the Scholl Canyon Landfill has a maximum daily capacity of 3,400 tons and a remaining permitted capacity of approximately 6.5 million cubic yards (3.8 million tons) (LACPW 2020). The one-time disposal of approximately 1,125 cy would represent approximately 0.07 percent of Scholl Canyon Landfill's remaining permitted capacity.

With implementation of the Project, based on the 2019 disposal rate of 9.2 PPD per capita (CalRecycle 2021b), up to 109 residents in the independent living units and up to 113 persons cared for in the assisted living facilities³ would generate approximately 2,042 PPD of solid waste, or approximately 373 tons per year.⁴ Based on the 2019 disposal rate of 13.4 PPD per employee, the estimated 737 employees would generate approximately 9,876 PPD of solid waste, or approximately 1,802 tons per year.⁵ As such, the Project would generate a total of approximately 2,175 tons per year (approximately 5.96 tons per day) of solid waste requiring disposal after diversion.

Solid waste would be collected by a private hauler and may be transported to any landfill in the State with capacity that can accept the municipal waste. The primary location that accepts City waste is Scholl Canyon Landfill, with approximately 74 percent of all waste generated after diversion going to this facility. Based on Scholl Canyon Landfill's remaining permitted capacity of approximately 6.5 million cubic yards (3.8 million tons) (LACPW 2020), the Project's annual solid waste disposal of 2,175 tons would represent approximately 0.06 percent of Scholl Canyon Landfill's remaining permitted capacity. However, as in the existing conditions, waste from the City of Pasadena may be disposed of after diversion at any facility that accepts waste from the City, both within and outside the County of Los Angeles as well as out of State. For instance, in 2019, City-generated waste was disposed at a total of 16 different facilities (CalRecycle 2021a).

Because there is adequate remaining capacity to accommodate the estimated construction and annual operational solid waste to be generated by the Project, there would be a less than significant impact related to landfill capacity. Further, the Project is in a developed urban area and within the City's existing refuse collection area. As such, the Project would not result in the need for new or substantially altered systems of solid waste collection and disposal. There would be a less than significant, and no mitigation is required. Attainment of solid waste reduction goals is addressed in Threshold 3.11e below.

Project with Building A Residential/Commercial

As discussed for the Project, demolition and construction of the Project with Building A Residential/Commercial is estimated to generate approximate 4,500 cy of debris. After diversion of at least 75 percent of the construction waste stream consistent with the City's C&D ordinance, an estimated 1,125 cy of waste would be disposed in a landfill. As discussed for the Project, this waste is assumed to be disposed in Scholl Canyon Landfill and this finite amount of waste would represent approximately 0.07 percent of Scholl Canyon Landfill's remaining permitted capacity (LACPW 2020).

³ The per capita resident generation rate is applied to these persons as a conservative analysis

⁴ $(2,042 \text{ PPD} \times 365 \text{ days}) / 2,000 \text{ pounds per ton} = 373 \text{ tons per year}$

⁵ $(9,876 \text{ PPD} \times 365 \text{ days}) / 2,000 \text{ pounds per ton} = 1,802 \text{ tons per year}$

With implementation of the Project with Building A Residential/Commercial, based on the 2019 disposal rate of 9.2 PPD per capita (CalRecycle 2021b), up to 493 residents in Building A, up to 109 residents in the independent living units, and 113 persons cared for in the assisted living facilities in Building B would generate approximately 6,578 PPD of solid waste, or approximately 1,201 tons per year.⁶ Based on the 2019 disposal rate of 13.4 PPD per employee, the estimated 95 employees would generate approximately 1,273 PPD of solid waste; or approximately 232 tons per year.⁷ As such, the Project with Building A Residential/Commercial would generate a total of approximately 1,433 tons per year (approximately 3.9 tons per day) of solid waste requiring disposal after diversion. This is slightly less daily solid waste generation than the Project and would represent approximately 0.04 percent of Scholl Canyon Landfill's remaining permitted capacity (LACPW 2020). Therefore, as with the Project, because waste from the City of Pasadena may be disposed of after diversion at any facility that accepts waste from the City and there is adequate remaining capacity to accommodate the estimated solid waste to be generated by the Project with Building A Residential Commercial, there would be a less than significant impact related to landfill capacity. Attainment of solid waste reduction goals is addressed in Threshold 3.11e below.

Threshold 3.11e: Would the Project comply with federal, State, and local management and reduction statutes and regulations related to solid waste?

Project

In 1992, the City adopted the "Source Reduction and Recycling Element" to comply with the California Integrated Waste Management Act. This act requires that jurisdictions maintain a 50 percent or better diversion rate for solid waste. The City implements this requirement through Section 8.61 of the PMC, which establishes the City's "Solid Waste Collection Franchise System". As described in Section 8.61.175, each franchisee is responsible for meeting the minimum recycling diversion rate of 75 percent for construction and demolition debris and 60 percent for other solid waste on a monthly and annual basis. The Project would be required to comply with the applicable solid waste franchise's recycling system and would therefore meet local and State solid waste diversion regulations. In addition, the Project would be required to comply with the City's Construction and Demolition Ordinance (Section 8.62 of the PMC), which includes preparation of a Construction Waste Management Plan for new structures over 1,000 sf. As such, the Project would comply with federal, State, and local regulations related to solid waste. There would be a less than significant impact, and no mitigation would be required.

Project with Building A Residential/Commercial

As discussed for the Project, the Project with Building A Residential/Commercial would be required to comply with the applicable solid waste franchise's recycling system and would therefore meet local and State solid waste diversion regulations. In addition, the Project would be required to comply with the City's Construction and Demolition Ordinance (Section 8.62 of the PMC), which includes preparation of a Construction Waste Management Plan for new structures over 1,000 sf. As such, the Project with Building A Residential/Commercial would comply with federal, State, and local regulations related to solid waste. There would be a less than significant impact, and no mitigation would be required.

⁶ (6,578 PPD * 365 days)/2,000 pounds per ton = 1,201 tons per year

⁷ (1,273 PPD * 365 days)/2,000 pounds per ton = 232 tons per year

3.11.6 CUMULATIVE IMPACTS

Project

Water

According to the requirements of Section 10910(c)(3) of the Water Code:

“The water supply assessment for the project shall include a discussion with regard to whether the public water system's total projected water supplies available during normal, single-dry, and multiple-dry water years during a 20-year projection will meet the projected water demand associated with the proposed project, in addition to the public water system's existing and planned future uses, including agricultural and manufacturing uses.”

As previously discussed, the Project would conservatively demand about 0.24 percent of the City's anticipated total system supply of 31,078 afy in 2025, 0.24 percent of the supply of 31,537 afy in 2040, and 0.24 percent of the supply of 31,409 afy in 2045 (ESA 2022). As the Project is consistent with the Project's land use designation in the General Plan as part of planned growth within the City's Central District, potential demand for the Project was considered as part of the PWP 2020 UWMP. Therefore, the WSA finds that MWD, as the wholesale potable water supplier has sufficient water supplies available to serve its member agencies, including PWP, now and over a 20-year planning horizon. In addition, PWP's groundwater, including its annual groundwater credits stored in the RB, are reliable in all water year types. With that understanding, the WSA concludes that PWP has sufficient water supplies in all water year types provided through MWD and supplemented with local groundwater to meet existing demands combined with the Project demands and cumulative demands through the 20-year planning horizon of the PWP 2020 UWMP. Therefore, the Project would not result in a cumulatively considerable impact related to water supplies, and no mitigation is required.

Wastewater

For wastewater conveyance and treatment services, the geographic area for consideration of cumulative impacts is the City of Pasadena (for locally owned sewer lines) and the LACSD service area (for regional facilities). The City manages its wastewater infrastructure through the Sewer Master Plan, prepared by the City's Department of Public Works and based on forecasts of wastewater flows with buildout of the General Plan. Individual development projects in the City would be required to remit the appropriate sewer facility charge consistent with Chapter 4.53 of the PMC, which ensures that new development pays its estimated cost for any capacity upgrades to the City sewer system.

Regarding LACSD facilities, as discussed above, the Project would represent a nominal incremental contribution to regional wastewater flows requiring conveyance to and treatment at the LACSD's WRPs. All future development projects in the LACSD's service area would be subject to the LACSD's Wastewater Ordinance, which includes the Connection Fee program. The Connection Fee program requires all new users of the LACSD's sewerage system, as well as existing users that significantly increase the quantity or strength of their wastewater discharge, to pay their fair share of the costs for providing additional conveyance, treatment, and disposal facilities. The LACSD uses the fees for the expansion and improvement of their facilities, as needed, to serve existing and anticipated developments. Also, as discussed in the Initial Study, the Project would be within the remaining development capacity of the General Plan for the Central District Specific Plan. Therefore, the Project would not result in a cumulatively considerable impact to wastewater conveyance or treatment facilities, and no mitigation is required.

Dry Utilities

Electricity and natural gas are provided on demand from CPUC-regulated utilities (i.e., PWP and The Gas Company) and telecommunications are provided from free-market providers (e.g., AT&T and Spectrum). The respective service areas for these utility providers, except for PWP, are large and all cover at least substantial portions of California. Because these utilities are provided on demand, including CPUC-regulated utilities, the expansion of services based on regional growth is part of each providers business strategy. Therefore, growth and development in the City is not expected to result in adverse impacts on dry utilities. The Project would not contribute to a cumulatively considerable impact related to the need for new or expanded dry utilities.

Solid Waste

Solid waste collection services are provided on demand by private haulers, and cumulative impacts on their services from future development in the City are not expected to result in adverse impacts on solid waste collection services. Available landfill capacity is expected to decrease over time with future growth and development in the City. Waste reduction and recycling programs and regulations are expected to reduce this demand and extend the life of existing landfills. Also, CalRecycle is responsible for administering and monitoring State solid waste reduction initiatives, and individual jurisdiction's ability to meet these requirements. It is assumed that CalRecycle's role would continue in the future. Based on the available capacity of landfills in the region and the Project's nominal contribution of additional solid waste requiring disposal—approximately 0.06 percent of Scholl Canyon Landfill's remaining daily permitted capacity, as a conservative analysis—the Project would not contribute to a cumulatively considerable impact to landfill capacity or solid waste regulations.

Project with Building A Residential**Water**

The cumulative impact analysis of water supply for the Project with Building A Residential/Commercial would be the same as that provided for the Project. If the Project with Building A Residential/Commercial is pursued, this development scenario would conservatively demand about 0.22 percent of the City's anticipated total system supply of 31,078 afy in 2025, 0.22 percent of the supply of 31,537 afy in 2040, and 0.22 percent of the supply of 31,409 afy in 2045 (ESA 2022). While the Project with Building A Residential/Commercial would result in slightly less water demand, this would not result in a difference in the cumulative impact finding for this scenario. Therefore, the Project with Building A Residential/Commercial would not result in a cumulatively considerable impact related to water supplies, and no mitigation is required.

Wastewater

The cumulative impact analysis of wastewater conveyance and treatment for the Project with Building A Residential/Commercial would be the same that provided for the Project.

Dry Utilities

The cumulative impact analysis of dry utilities for the Project with Building A Residential/Commercial would be the same as that provided for the Project.

Solid Waste

The cumulative impact analysis of dry utilities for the Project with Building A Residential/Commercial would be the same as that provided for the Project. While the Project

with Building A Residential/Commercial would result in slightly less solid waste generation, this would not result in a difference in the cumulative impact finding for this scenario.

3.11.7 MITIGATION MEASURES

No significant impacts related to utilities and service systems would occur, and no mitigation is required.

3.11.8 LEVEL OF SIGNIFICANCE AFTER MITIGATION

Less than significant.

3.11.9 SUMMARY OF ANALYSIS

Project

The Project would result in less than significant impacts related to the relocation or construction of new or expanded water, wastewater conveyance and treatment, electric power, natural gas, or telecommunications facilities that could cause significant environmental effects, and no mitigation would be required. There would be a less than significant impacts related to water supplies, landfill capacity, and compliance with solid waste regulations.

Project with Building A Residential/Commercial

The summary of findings for the Project with Building A Residential/Commercial would be comparable to the findings for the Project. The only difference is that this scenario would result in a lower water demand and not generate as much solid waste as the Project. Similar to the Project, the Project with Building A Residential/Commercial would result in less than significant impacts related to utilities and service systems, and no mitigation is required.

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SECTION 4.0 ALTERNATIVES

4.1 INTRODUCTION

Section 15126.6 of the California Environmental Quality Act (CEQA) Guidelines addresses the discussion of alternatives in an EIR. Key provisions of the State CEQA Guidelines are identified throughout this section to explain the basis for the alternatives evaluation in this Draft EIR. Section 15126.6 of the State CEQA Guidelines states the following:

- (a) Alternatives to the Proposed Project. An EIR shall describe a range of reasonable alternatives to the project, or to the location of the project, which would feasibly attain most of the basic objectives of the project but would avoid or substantially lessen any of the significant effects of the project and evaluate the comparative merits of the alternatives. An EIR need not consider every conceivable alternative to a project. Rather it must consider a reasonable range of potentially feasible alternatives that will foster informed decision making and public participation. An EIR is not required to consider alternatives which are infeasible. The Lead Agency is responsible for selecting a range of project alternatives for examination and must publicly disclose its reasoning for selecting those alternatives. There is no ironclad rule governing the nature or scope of the alternatives to be discussed other than the rule of reason.
- (b) Purpose. Because an EIR must identify ways to mitigate or avoid the significant effects that a project may have on the environment (Public Resources Code Section 21002.1), the discussion of alternatives shall focus on alternatives to the project or its location which are capable of avoiding or substantially lessening any significant effects of the project, even if these alternatives would impede to some degree the attainment of the project objectives or would be more costly.

4.1.1 CRITERIA FOR SELECTING ALTERNATIVES

Feasibility

When developing alternatives for evaluation in an EIR, the feasibility of implementing the alternative must be considered. Section 15126.6(f)(1) of the State CEQA Guidelines states the following:

Among the factors that may be taken into account when addressing the feasibility of alternatives are site suitability, economic viability, availability of infrastructure, general plan consistency, other plans or regulatory limitations, jurisdictional boundaries (projects with a regionally significant impact should consider the regional context), and whether the proponent can reasonably acquire, control or otherwise have access to the alternative site (or the site is already owned by the proponent). No one of these factors establishes a fixed limit on the scope of reasonable alternatives.

It has been recognized that, for purposes of CEQA, “feasibility” encompasses “desirability” to the extent that the latter is based on a reasonable balancing of the relevant economic, environmental, social, and technological factors. This balancing is harmonized with CEQA’s fundamental recognition that policy considerations may render alternatives impractical or undesirable.

Avoid or Substantially Lessen Significant Impacts

Section 15126.6(b) of the State CEQA Guidelines states that “[b]ecause an EIR must identify ways to mitigate or avoid the significant effects that a project may have on the environment (Public

Resources Code Section 21002.1), the discussion of alternatives shall focus on alternatives to the project or its location which are capable of avoiding or substantially lessening any significant effects of the project, even if these alternatives would impede to some degree the attainment of the project objectives, or would be more costly”.

The Project and Project with Building A Residential/Commercial, evaluated in Sections 3.1 through 3.11 of this Draft EIR, would result in a range of impacts but no significant and unavoidable impacts are expected after mitigation. Although the level of significance after mitigation (if any) may be the same for each threshold and/or environmental topic, the degree or severity of impact may be slightly different under each alternative and reduced or increased compared to the Project and Project with Building A Residential/Commercial.

The potentially significant adverse environmental impacts of the Project and Project with Building A Residential/Commercial, which require mitigation, include:

- **Cultural Resources** (historic resources [501 and 523 South Arroyo Parkway] and unknown archaeological resources),
- **Noise** (potential for vibration-related building damage to Whole Foods Market and 501 and 523 South Arroyo Parkway), and
- **Tribal Cultural Resources** (unknown tribal cultural resources).

Please refer to the Executive Summary and Sections 3.1 through 3.11 of this Draft EIR for additional details regarding the environmental analysis of the Project.

Ability to Achieve Project Objectives

The ability of an alternative to meet most of a project’s objectives is an important component when evaluating alternatives. Section 15126.6(f) of the State CEQA Guidelines states the following:

The range of alternatives required in an EIR is governed by a ‘rule of reason’ that requires the EIR to set forth only those alternatives necessary to permit a reasoned choice. The alternatives shall be limited to ones that would avoid or substantially lessen any of the significant effects of the project. Of those alternatives, the EIR need examine in detail only the ones that the lead agency determines could feasibly attain most of the basic objectives of the project.

Section 15124 of the State CEQA Guidelines requires an EIR to include a statement of a proposed project’s objectives. The Affinity Project seeks to achieve the following key objectives:

1. Reinforce and strengthen Arroyo Parkway as a major commercial corridor and the Central District’s economic vitality through the development of multi-story buildings with a variety of complementary commercial and/or residential uses in underutilized areas with higher development capacity.
2. Provide jobs, services, revenues, and opportunities that will support Pasadena as an economically vital city and allow for continued fiscal health.
3. Develop assisted living facilities that have access to local commercial services, health care facilities, community facilities, and public transit.
4. Satisfy local and regional demand for varying levels of care (independent living, residential care, continuing care) to individuals, depending on need, that are transit-accessible and pedestrian-friendly.

5. Improve Pasadena's infrastructure and urban form through modernized buildings that are energy- and water-efficient.
6. Preserve and integrate Pasadena's historic resources as part of a complementary development that reduces the risk of resource demolition, deterioration by neglect, and/or impacts from natural circumstances.
7. Invest sustainably by providing for the needs of existing and future residents and businesses while in proximity to transportation opportunities.

4.1.2 ALTERNATIVES TO THE PROPOSED PROJECT

In accordance with Section 15126.6(a) of the State CEQA Guidelines, this section summarizes the range of alternatives considered in the EIR. The following alternatives have been considered and eliminated from detailed consideration for the reasons identified in Section 4.2, below:

- Alternative Site, and
- Project with No Variance for Historic Resources.

Alternatives that are considered in detail in this Draft EIR include:

- Alternative 1: No Project/No Development,
- Alternative 2: Project Development with Existing Zoning,
- Alternative 3: All Residential Project with Variance for Historic Resources, and
- Alternative 4: All Medical Office Project with Variance for Historic Resources.

Table 4-1, Summary of Alternatives, presents the proposed land uses, amount of development (aboveground square feet [sf]), the maximum height above ground level, total parking spaces and subterranean levels required, and the floor area ratio (FAR) for the Project and Project with Building A Residential/Commercial and Alternatives 2 through 4 (i.e., the "build" alternatives).

The alternatives in Table 4-1 include 79,553 sf of commercial land uses associated with Whole Foods Market and 501 and 523 South Arroyo Parkway. It is assumed these existing land uses would operate as a grocery store and restaurants, respectively, same as the Project. As with the Project, the 275-space subterranean parking structure used by Whole Foods Market would remain and would not be connected to any new subterranean parking for all alternatives. The parking numbers listed in Table 4-1 refer only to new subterranean parking provided for the new development. Alternatives 3 and 4 are assumed to require a PD Plan, like the Project and Project with Building A Residential/Commercial. A complete description of each alternative is provided further below.

**TABLE 4-1
SUMMARY OF ALTERNATIVES**

	Land Uses	Total SF ^a	Max DU	Max Height ^b	New Parking ^c	FAR
Project Scenarios						
Project	Assisted Living, Medical Office, Commercial	417,929	95	93.5 ft	850 spaces/ 5 levels	2.89
Project with Building A Residential/Commercial	Assisted Living, Residential, Commercial	417,929	289	93.5 ft	650 spaces/ 4 levels	2.89
Alternatives						
Alternative 2—Project Development with Existing Zoning	Assisted Living, Medical Office, Commercial	217,280	159	50 ft ^d	387 spaces/ 3 levels	1.50
Alternative 3—All Residential Project with Variance for Historic Resources	Residential, Commercial	417,929	289	93.5 ft	607 spaces/ 4 levels	2.89
Alternative 4—All Medical Office Project with Variance for Historic Resources	Medical Office, Commercial	417,929	0	93.5 ft	1,218 spaces/ 7 levels	2.89
SF: square feet; DU: dwelling units; Max: maximum; ft: feet; FAR: floor area ratio						
^a Refers to total aboveground development including 79,553 sf of existing, on-site development to be retained (465, 501, and 523 S. Arroyo Parkway) ^a Refers to highest point, including parapet but not including appurtenances, of any proposed building on the site ^c Refers to subterranean parking structure levels ^d Or 65 feet with height averaging						

4.2 ALTERNATIVES ELIMINATED FROM DETAILED CONSIDERATION

Section 15126.6(c) of the CEQA Guidelines specifies that an EIR should (1) identify alternatives that were considered by the lead agency but were eliminated from detailed consideration because they were determined to be infeasible during the scoping process and (2) briefly explain the reasons underlying the lead agency's determination. Among the factors that may be used to eliminate alternatives from detailed consideration in an EIR are (1) failure to meet most of the basic project objectives; (2) infeasibility; or (3) inability to avoid significant environmental impacts.

4.2.1 ALTERNATIVE SITE

Section 15126.6(f)(2) of the State CEQA Guidelines sets forth the following criteria for determining whether to identify an alternative site because "An EIR need not consider an alternative whose effect cannot be reasonably ascertained and whose implementation is remote and speculative". Section 15126.6(f)(2) of the State CEQA Guidelines (14 CCR) states the following:

- (A) Key question. The key question and first step in analysis is whether any of the significant effects of the project would be avoided or substantially lessened by putting the project in another location. Only locations that would avoid or substantially lessen any of the significant effects of the project need be considered for inclusion in the EIR.
- (B) None feasible. If the lead agency concludes that no feasible alternative locations exist, it must disclose the reasons for this conclusion, and should include the reasons in the EIR. For example, in some cases there may be no feasible alternative locations for a geothermal plant or mining project which must be in proximity to natural resources at a given location.

- (C) Limited new analysis required. Where a previous document has sufficiently analyzed a range of reasonable alternative locations and environmental impacts for projects with the same basic purpose, the lead agency should review the previous document. The EIR may rely on the previous document to help it assess the feasibility of potential project alternatives to the extent the circumstances remain substantially the same as they relate to the alternative.

Development of the Project or Project with Building A Residential/Commercial on an alternative site was not carried forward for detailed consideration due to the lack of available alternate sites to accommodate a project of similar size, and inability to meet many of the objectives established for the Project.

The Project site is a 3.3-acre property that is presently owned by the Applicant. There are no vacant or underutilized sites of sufficient size along Arroyo Parkway and within walking distance of multiple transit facilities, both relevant to the Project objectives, that could feasibly accommodate the Project. Additionally, the Applicant does not own other feasible alternative sites and the City is not aware of any other feasible alternative location that would avoid or substantially lessen any potential significant impact of the Project. Further, the Applicant cannot be expected nor required to acquire, control, or have access to another site that could accommodate the Project. As noted above, the Project or Project with Building A Residential/Commercial would result in no significant and unavoidable impacts. Therefore, due to lack of viable and comparable sites in the site vicinity that would allow for development of the Project in a manner that would avoid or substantially lessen the Project's significant impacts (before mitigation), development of the Project on an alternative site has been eliminated from consideration.

4.2.2 PROJECT WITH NO VARIANCE FOR HISTORIC RESOURCES

Based on comments received on the Notice of Preparation (NOP), an alternative PD project without a variance for historic resources to increase the height of Buildings A and B was considered. This alternative would result in a total of 401,171 sf of aboveground development, including the 73,671-sf Whole Foods Market. To accommodate a project of this size, this alternative would involve demolition of 8 (of the 9) existing buildings, including the two historic buildings, totaling 51,794 sf, located at 491, 495, 499, 501, 503, 523, 541, and 577 South Arroyo Parkway, and construction of 327,500 sf of new development in 2 buildings representing a floor area ratio (FAR) of 2.77. These buildings would have up to 5 stories and maximum heights, including parapets, of 65 feet (with height averaging). This alternative would have up to 709 parking spaces in 5 subterranean levels.

As discussed above, there are no significant and unavoidable impacts associated with the Project or Project with Building A Residential/Commercial. Furthermore, the significant impacts that require mitigation to avoid or reduce to a less than significant level are all construction related. This alternative would result in a new significant impact due to demolition of two historic buildings that would be considered significant and unavoidable. The introduction of a significant and unavoidable impact due to an alternative, when there are no such impacts associated with either the Project or the Project with Building A Residential/Commercial, resulted in the elimination of this alternative from detailed consideration by the City.

4.3 ALTERNATIVES CARRIED FORWARD FOR DETAILED CONSIDERATION

The analysis of each of the Project alternatives identified below includes the following:

- A description of the alternative.
- An analysis of environmental impacts in comparison to the possible impacts of the Project and Project with Building A Residential/Commercial. Pursuant to the State CEQA Guidelines, if an alternative would cause one or more significant effects in addition to those that would be caused by the Project as proposed, the significant effects of the alternative shall be discussed, but in less detail than the significant effects of the Project as proposed.
- An assessment of the alternative's ability to meet the Project objectives.

The comparison of impacts between each alternative and the proposed Project assumes that the general nature and types of (1) existing regulations and (2) mitigation measures (MMs) identified in Section 3.0, Environmental Analysis, of this Draft EIR would also be applicable to each of the alternatives, where appropriate. No MMs are applied to the No Project/No Development Alternative, which assumes that the existing conditions on the Project site would remain unchanged.

4.3.1 ALTERNATIVE 1: NO PROJECT/NO DEVELOPMENT

Description of the Alternative

Section 15126.6(e) of the State CEQA Guidelines requires that an EIR evaluate a "no project" alternative in order to allow decision makers to compare the impacts of approving a proposed project with the impacts of not approving that project. Section 15126.6(e)(3) of the State CEQA Guidelines describes the two general types of no project alternative: (1) when the project is the revision of an existing land use or regulatory plan, policy or ongoing operation, the no project alternative would be the continuation of that plan and (2) when the project is not a land use/regulatory plan, such as a specific development on an identifiable property, the no project alternative is the circumstance under which that project is not processed (i.e., no development occurs). In addition, Section 15126.6(e)(2) of the State CEQA Guidelines specifies that the "No Project analysis shall discuss the existing conditions at the time the Notice of Preparation (NOP) is published, as well as what would be reasonably expected to occur in the foreseeable future if the project were not approved, based on current plans and consistent with available infrastructure and community services".

Under the No Project/No Development Alternative, the existing environmental setting would remain unchanged. The City would not approve a PD Plan and rezone the site to a PD zone nor would the City approve the Project or Project with Building A Residential/Commercial. This Alternative assumes the Project site would continue to remain in its existing state without demolition of any existing structures and site improvements and would continue the use and operation of the existing land uses present at the time the NOP was distributed in August 2021.

Comparative Analysis of Environmental Impacts

Air Quality

Alternative 1 would not involve any construction activities (including demolition, excavation, and building construction) or operation of a greater amount of development on the site. In the absence of construction activities and no increase in traffic generation, this alternative would not generate criteria air pollutant emissions beyond existing conditions. Although the air quality related impacts

of the Project and Project with Building A Residential/Commercial are less than significant, the impacts of Alternative 1 related to air quality would be comparatively less.

Cultural and Paleontological Resources

Alternative 1 would not result in the adaptive reuse of the historic buildings (501 and 523 South Arroyo Parkway) that would be integrated in the Project and Project with Building A Residential/Commercial. Therefore, the potential significant impact related to alterations to these buildings associated with integration into the Project and occupation by new tenants, requiring implementation of MM CUL-1, would not occur.

In the absence of any construction activities, Alternative 1 would not result in the potential for impacts to unknown historic (buried), archaeological, or paleontological resources that may be encountered during grading activities. As such, the potential for impacts to cultural resources resulting from implementation of the Project or Project with Building A Residential/Commercial would not occur under Alternative 1 and implementation of MM CUL-2 would not be required. Although impacts related to historic and archaeological resources with the Project and Project with Building A Residential/Commercial are less than significant with mitigation, the impacts of Alternative 1 related to cultural and paleontological resources would be comparatively less without mitigation.

Energy

Alternative 1 would not involve any construction activities or operation of a greater amount of development on the site. In the absence of construction activities, no increase in on-site land use and related activity, and no increase in traffic generation, this alternative would not result in any change in energy use. Although impacts with the Project and Project with Building A Residential/Commercial are less than significant, the impacts of Alternative 1 related to energy would be comparatively less.

Greenhouse Gas Emissions

Alternative 1 would not involve any construction activities or operation of a greater amount of development on the site. In the absence of construction activities and no increase in traffic generation, this alternative would not generate greenhouse gas (GHG) emissions beyond existing conditions. Although impacts with the Project and Project with Building A Residential/Commercial are less than significant, the impacts of Alternative 1 related to GHG emissions would be comparatively less.

Hazards and Hazardous Materials

Alternative 1 would not involve the use, transport, disposal, or emission of hazardous materials associated with the proposed Project. However, continued use of common hazardous materials related to the existing land uses on the site (e.g., cleaning supplies, paints, solvents) would occur. All transport, use, and disposal of hazardous materials under this alternative would continue to be conducted in compliance with applicable regulations and would not result in significant impacts.

In the absence of construction activities, Alternative 1 would not have the potential to expose construction personnel or other individuals to asbestos-containing materials (ACMs) or lead-based paint (LBP) that could potentially occur with the Project or Project with Building A Residential/Commercial associated with the demolition activities. Although impacts with the Project and Project with Building A Residential/Commercial are less than significant, the impacts of Alternative 1 related to hazards and hazardous materials would be comparatively less.

Land Use and Planning

Under Alternative 1, there would be no change in the existing conditions on the Project site and no change in zoning from CD-6 to PD-39. Alternative 1 would not involve any new development and would not conflict with any local or regional planning programs; however, development on the site permissible on the site under existing zoning would also not be implemented and would leave the site in its current underutilized condition, thereby failing to reinforce and strengthen Arroyo Parkway as a major commercial corridor. While the impacts with the Project and Project with Building A Residential/Commercial related to land use and planning are less than significant, it is acknowledged that some may prefer to have the site remain in its existing land use configuration. However, Alternative 1 would not support regional and local planning policies related to reducing vehicle trips per capita by increasing density, including housing, near transit. Nor would the existing condition, even if fully occupied by commercial uses, provide as many jobs near transit as the Project or Project with Building A Residential/Commercial. Therefore, while Alternative 1 would avoid any physical land use changes, the Project's land use benefits would not be achieved.

Noise

Alternative 1 would not involve any construction activities or operation of a greater amount of development on the site. In the absence of construction activities, Alternative 1 would not result in construction noise or vibration. Therefore, the potential significant impact related to vibration affecting the on-site buildings to be retained, requiring implementation of MM NOI-1, would not occur.

Although the increase in vehicle trips would not result in a perceptible change in noise levels, there would not be a change in operational noise under Alternative 1. Although impacts with the Project or Project with Building A Residential/Commercial are less than significant with mitigation, the impacts of Alternative 1 related to noise and vibration would be comparatively less without mitigation.

Public Services and Recreation

Under Alternative 1, there would be no increase in the amount of development on the site. Therefore, the impact of Alternative 1 relative to the demand for public services and recreation would be less than the Project or Project with Building A Residential/Commercial. Although impacts with the Project or Project with Building A Residential/Commercial are less than significant, the impacts of Alternative 1 related to public services and recreation would be comparatively less.

Transportation

In the absence of construction activities, Alternative 1 would not result in construction-related traffic. Also, under Alternative 1, there would no increase in vehicle trips associated with new land uses. Although impacts with the Project or Project with Building A Residential/Commercial are less than significant, the impacts of Alternative 1 related to transportation—including circulation system policies, the City's Transportation Impact Analysis (TIA) Guidelines, traffic safety, and emergency access—would be comparatively less. At the same time, the vehicles miles traveled (VMT) per capita would be higher under Alternative 1 than the Project or Project with Building A Residential/Commercial, because of the lower service population present on the site that drives the vehicle trips.

Tribal Cultural Resources

In the absence of any construction activities, Alternative 1 would not result in the potential for impacts to unknown tribal cultural resources that may be encountered during excavation activities. As such, the potential for impacts to tribal cultural resources resulting from implementation of the Project or Project with Building A Residential/Commercial would not occur under Alternative 1, and implementation of MM TCR-1 would not be required. Although impacts with the Project and Project with Building A Residential/Commercial are less than significant with mitigation, the impacts of Alternative 1 related to tribal cultural resources would be comparatively less without mitigation.

Utilities and Service Systems

Under Alternative 1, there would be no increase in the amount of development on the site. Therefore, the impact of Alternative 1 relative to the demand for utilities and service systems would be less than the Project or Project with Building A Residential/Commercial. Although impacts with the Project or Project with Building A Residential/Commercial are less than significant, the impacts of Alternative 1 related to utilities and service systems would be comparatively less.

Ability to Meet Project Objectives

Alternative 1 would not attain Project objectives 1 through 7.

Conclusion

Alternative 1 would avoid all potential impacts from the Project or Project with Building A Residential/Commercial, which are less than significant for each environmental topic addressed in this Draft EIR with adherence to applicable regulations and mitigation. However, in the absence of the Project or Project Building A Residential/Commercial, no land use benefits would be achieved.

4.3.2 ALTERNATIVE 2: PROJECT DEVELOPMENT WITH EXISTING ZONING

Description of the Alternative

Alternative 2 assumes the site is developed with the same land uses as the Project or Project with Building A Residential/Commercial but with application of existing zoning (i.e., no PD Plan). The site is zoned CD-6 (Central District, Arroyo Corridor/Fair Oaks subdistrict). Alternative 2 is analyzed with two scenarios, where appropriate based on the results of the comparative analysis, same as the Project. As shown in Table 4-1 above, Alternative 2 would result in a total of 217,280 sf of aboveground development, including the 79,553 sf of existing development to be retained (i.e., Whole Foods Market and the historic buildings at 501 and 523 South Arroyo Parkway). This amount of total aboveground development reflects the 1.5 FAR consistent with CD-6 zoning.

This alternative would involve demolition of 6 (of the 9) existing buildings totaling 45,912 sf, located at 491, 495, 499, 503, 541, and 577 South Arroyo Parkway, and construction of 2 new buildings with 137,727 sf of new development. Based on the same proportions of proposed land uses with the Project and Project with Building A Residential, Alternative 2 would result in the following:

- Building A: a 62,682-sf, 5-story (aboveground) medical office building with 3,000 sf ground-floor commercial uses;

- Building B: a 75,045-sf, 5-story (aboveground) assisted living building with 34,922 sf of assisted living uses and 40,123 sf of independent living uses including up to 51¹ senior housing units; and
- Up to 387 parking spaces in 3 subterranean levels.²

Alternative 2 would represent an approximately 59 percent reduction in the total new development on the site (i.e., when considering only Building A and Building B) and an approximate 48 percent reduction in overall development on the site (i.e., when including Whole Foods Market and 501 and 523 South Arroyo Parkway) compared to the Project and Project with Building A Residential/Commercial.

Like the Project with Building A Residential/Commercial, Alternative 2 could result in the following in Building A (referred to herein as Alternative 2 with Building A Residential/Commercial):

- 3,000 sf of commercial and a sales/leasing management office on the ground floor;
- Up to 108 residential dwelling units³; and
- Up to 282 parking spaces in 2 subterranean levels (1 fewer levels than Alternative 2 as proposed above)².

Regarding senior living and market-rate housing units, Alternative 2 would represent an approximately 45 percent reduction in the maximum number of units allowed consistent with CD-6 zoning (i.e., 48 DUs/acre) compared to the Project and Project with Building A Residential/Commercial.

Alternative 2 would have maximum building heights, including parapets, of 50 feet or 65 feet with height averaging. This alternative assumes the historic resources would be retained and incorporated into the design, but with no variance proposed. Alternative 2 assumes the retained historic buildings would operate as restaurants, same as the Project. Because the same building footprints are assumed under Alternative 2 as the Project, the same number and locations of trees would be removed, and the planting of two new street trees would be required. The points of ingress/egress and on-site circulation would be the same as the Project.

Alternative 2 would involve the same construction phases and overall schedule as the Project, with construction beginning in 2023 over approximately 34 months. While the overall scope of this alternative is reduced compared to the Project, it would remain a substantial building effort. Because there would be fewer levels of subterranean parking, based on a proportional reduction in grading per level for the Project, this alternative would involve the following volumes of excavation and export:

- Alternative 2: approximately 110,406 cy of soil generating an estimated 7,886 one-way truck trips over the course of 4 months (103 workdays); and

¹ Based on the same proportion of housing units with implementation of the Project with Building A Residential/Commercial (68 percent market rate residential and 32 percent senior living units) to the max dwelling units that would be permitted with 48 du/ac (159). In other words, $159 * 0.68 = 108$ residential units; $159 - 108 = 51$ senior units.

² Based on off-street parking requirements specified in Chapter 17.46 of the PMC. For building B assisted living where parking is determined through the entitlement process, the allocation is based on the same proportion of parking spaces with implementation of the Project and Project with Building A Residential/Commercial.

³ Based on the same proportion of housing units with implementation of the Project with Building A Residential/Commercial (68 percent market rate residential and 32 percent senior living units) to the max dwelling units that would be permitted with 48 du/ac (159). In other words, $159 * 0.68 = 108$ residential units; $159 - 108 = 51$ senior units.

- Alternative 2 with Building A Residential/Commercial: approximately 73,604 cy of soil, generating an estimated 5,257 one-way truck trips over the course of 4 months (103 workdays).

Comparative Analysis of Environmental Impacts

Air Quality

Alternative 2 and Alternative 2 with Building A Residential/Commercial would result in a reduced scope of construction activities, although demolition activities would be the same, and a reduced scope of operational activities that would generate stationary criteria air pollutant emissions. As shown in Table 4-2, Alternative 2 Transportation Analysis Comparison, below under “transportation”, this Alternative would result in a reduced number of daily vehicle trips (VT) and reduced vehicle miles traveled (VMT) per capita, compared to both the Project and the Project with Building A Residential/Commercial. Although impacts with the Project and Project with Building A Residential/Commercial are less than significant, the impacts of this Alternative related to air quality would be comparatively less for the Project and the Project with Building A Residential/Commercial.

Cultural and Paleontological Resources

Alternative 2 and Alternative 2 with Building A Residential/Commercial would result in similar impacts to cultural and paleontological resources as the Project and Project with Building A Residential/Commercial. This alternative would also integrate the historic buildings (501 and 523 South Arroyo Parkway). Therefore, this Alternative would result in the potential significant impact related to alterations to these buildings associated with integration into the Project and occupation by new tenants, requiring implementation of MM CUL-1. This Alternative would result in less excavation than the Project and Project with Building A Residential/Commercial commensurate with the reduction in subterranean parking levels; however, the potential for impacts to unknown historic (buried) and archaeological resources is associated with any excavation in both disturbed and native soils. Therefore, like the Project and Project with Building A Residential/Commercial, this Alternative would result less than significant impacts with implementation of MM CUL-2, and less than significant impacts related to paleontological resources.

Energy

Alternative 2 and Alternative 2 with Building A Residential/Commercial would result in less construction-related energy use and long-term mobile (i.e., vehicle) and stationary (i.e., not transportation/mobile) energy demand than the Project and Project with Building A Residential/Commercial. However, when taking into consideration that this Alternative would result in the same amount of demolition to redevelop an underutilized site and the resulting development would be approximately half as dense as the Project, energy use during construction would be less efficient than for the Project or Project with Building A Residential/Commercial. As discussed above, this Alternative would result in a reduced VT and VMT compared to the Project and Project with Building A Residential/Commercial. Although impacts with the Project and Project with Building A Residential/Commercial are less than significant, the impacts of this Alternative related to energy use would be comparatively less for the Project and the Project with Building A Residential/Commercial. Nonetheless, on balance, it is anticipated that this Alternative would also result in less than significant impacts related to the wasteful, inefficient, or unnecessary consumption of energy; and less than significant impacts related to conflict with plans for renewable energy or energy efficiency. Like the Project and Project with Building A Residential/Commercial, this Alternative would result less than significant impacts related to energy.

Greenhouse Gas Emissions

Alternative 2 and Alternative 2 with Building A Residential/Commercial would generate reduced GHG emissions from construction and operation of the reduced development intensity compared to the Project and Project with Building A Residential/Commercial. However, this alternative would result in reduced VT and VMT per capita than the Project and Project with Building A Residential/Commercial. A lower VMT reflects a lesser relative contribution of the site per capita and per service population to GHG emissions. As this Alternative is based on the existing zoning for the site, development of this alternative would also be considered consistent with the City's Climate Action Plan (CAP). Although impacts with the Project and Project with Building A Residential/Commercial are less than significant, the impacts of this Alternative related to GHG emissions would be comparatively less.

Hazards and Hazardous Materials

Alternative 2 and Alternative 2 with Building A Residential/Commercial would result in the same potential to expose construction personnel or other individuals to ACMs or lead-based paint LBP that could occur with the Project or Project with Building A Residential/Commercial, as this impact is associated with demolition activities. Construction of this alternative would result in the transport and handling of the same hazardous materials typical of construction activities and would also result in less than significant impacts through compliance with applicable regulations. Similarly, because this alternative proposes the same land uses as the Project or Project with Building A Residential/Commercial, operation of this Alternative would result in the use and generation of the same hazardous materials. As with the Project, all transport, use, and disposal of hazardous materials under this alternative, including biomedical waste, would be conducted in compliance with applicable regulations and would result in less than significant impacts. Like the Project and Project with Building A Residential/Commercial, this Alternative would result less than significant impacts related to hazards and hazardous materials.

Land Use and Planning

Under Alternative 2 and Alternative 2 with Building A Residential/Commercial, there would be no change in zoning on the site from CD-6 to PD-39 and the development would be consistent with the existing zoning and applicable goals and policies of the *City of Pasadena General Plan* (General Plan). However, as discussed in Section 3.6, Land Use and Planning, of this Draft EIR, adoption of a PD zone simultaneously establishes applicable land use regulations and development standards specific to that zoning district. Also, PD Plans are developed in consideration of existing zoning requirements that are applicable to a project site while also providing flexibility in site usage and building design. However, when taking into consideration that this Alternative would result in the same amount of demolition to redevelop an underutilized site and the resulting development would be approximately half as dense as the Project, this represents a less efficient use of the land than for the Project or Project with Building A Residential/Commercial.

Regarding land use plans, policies, or regulations adopted for the purpose of avoiding or reducing an environmental effect, for the City of Pasadena these are focused on historic resources, GHG emissions/sustainability, and trees/open space. This Alternative would result in the same potential impact on historic resources and require implementation of MM CUL-1, as discussed above, as the Project. Alternative 2 would be less consistent with Southern California Association of Government's (SCAG's) 2020-2045 Regional Transportation Plan/Sustainable Communities Strategy (RTP/SCS), as the reduced amount of redevelopment on an underutilized site, particularly near transit, would result in a land use pattern that contributes less towards the GHG emissions reduction targets compared to the Project or Project with Building A Residential/Commercial. This alternative would provide less mixed-use development near transit

and other existing infrastructure (e.g., roads, utilities, services). As discussed above, this Alternative would result in a reduced VT and VMT per capita compared to the Project and Project with Building A Residential/Commercial. A lower VMT reflects a lesser relative contribution of the site per capita and per service population to GHG emissions. This Alternative would support regional and local planning policies related to reducing vehicle trips per capita by increasing density, including housing, near transit, although not to the same degree as the Project or Project with Building A Residential/Commercial. This Alternative would result in the same number of tree removals and the same requirement for planting of two new street trees as the Project or Project with Building A Residential/Commercial. Therefore, like the Project and Project with Building A Residential/Commercial, this Alternative would result in less than significant impacts related to land use and planning.

Noise

Alternative 2 and Alternative 2 with Building A Residential/Commercial would generate the same level of construction noise and vibration as the Project and Project with Building A Residential/Commercial and require implementation of MM NOI-1 to reduce potential vibration impacts to the remaining on-site buildings to a less than significant level. Although the increase in vehicle trips with the Project or Project with Building A Residential/Commercial would not result in a perceptible change in noise levels, this Alternative would generate less traffic. The noise generated from stationary uses from this alternative would be similar to the Project and Project with Building A Residential/Commercial and would also be less than significant. Although impacts with the Project or Project with Building A Residential/Commercial are less than significant with mitigation, the impacts of this Alternative related to noise and vibration would be comparatively less due to the reduction in operational noise generation.

Public Services and Recreation

Alternative 2 and Alternative 2 with Building A Residential/Commercial would result in a reduced demand for public services (i.e., fire protection, police protection, schools, libraries) and recreational facilities than the Project and Project with Building A Residential/Commercial, commensurate with the reduction in development, including a reduction in resident population. Although impacts with the Project or Project with Building A Residential/Commercial are less than significant, the impacts of this Alternative related to public services and recreation would be comparatively less.

Transportation

The Pasadena Department of Transportation (DOT) calculated the transportation metrics for each of the “build” alternatives (i.e., all but the No Project Alternative), where some redevelopment would occur on the site. As shown in Table 4-2, Alternative 2 Transportation Analysis Comparison, this Alternative would result in a reduced VT and VMT per capita compared to the Project and the Project with Building A Residential/Commercial. The City’s transportation metrics related to bicycle and transit networks and pedestrian accessibility are similar to the Project, as this is related mainly—though not solely—on location rather than type of development.

**TABLE 4-2
ALTERNATIVE 2 TRANSPORTATION ANALYSIS COMPARISON**

Transportation Performance Metrics	Significant Impact Cap (Existing)	Incremental Change (Existing + Alternative 2/ Exchange Alternative 2)	Incremental Change (Existing + Project / Exchange Project)	Significant Impact for Alternative?
VMT Per Capita	>22.6	16.5 / 6.4	19.5 / 8.2	No
VT Per Capita	>2.8	1.8 / 1.2	2.0 / 1.4	No
Proximity and Quality of Bicycle Network	<31.7%	31.8% / 31.8%	32.0% / 32.0%	No
Proximity and Quality of Transit Network	<66.6%	66.7% / 66.7%	66.8% / 66.8%	No
Pedestrian Accessibility	<3.9	3.9 / 3.9	3.9 / 3.9	No
VMT: vehicle miles traveled; VT: vehicle trips Source: Pasadena DOT 2022a.				

Therefore, this Alternative would not exceed any of the CEQA transportation thresholds defined in the City's TIA Guidelines. This Alternative would result in less than significant impacts related to conflict with the City's TIA Guidelines. This Alternative would result in the same ground-level circulation pattern; therefore, like the Project and Project with Building A Residential/Commercial, this Alternative would result in less than significant impacts related to circulation system policies, traffic safety, and emergency access. Although impacts with the Project or Project with Building A Residential/Commercial are less than significant, the impacts of this Alternative related to transportation would be comparatively less.

Tribal Cultural Resources

Alternative 2 and Alternative 2 with Building A Residential/Commercial would result in similar impacts to tribal cultural resources as the Project and Project with Building A Residential/Commercial. This Alternative would result in less excavation than the Project and Project with Building A Residential/Commercial commensurate with the reduction in subterranean parking levels; however, the potential for impacts to unknown tribal cultural resources is associated with any excavation in both disturbed and native soils. Therefore, this Alternative would result in the same potential impact and require implementation of MM TCR-1 to reduce this impact to a less than significant level, same as the Project and Project with Building A Residential/Commercial.

Utilities and Service Systems

Alternative 2 and Alternative 2 with Building A Residential/Commercial would result in a reduced demand for utilities and service systems, including water supply, water and wastewater infrastructure, wastewater treatment, dry utilities (i.e., electricity, natural gas, telecommunications), and solid waste generation, commensurate with the reduced amount of redevelopment. Although impacts with the Project or Project with Building A Residential/Commercial are less than significant, the impacts of this Alternative related to utilities and service systems would be comparatively less.

Ability to Meet Project Objectives

Alternative 2 and Alternative 2 with Building A Residential/Commercial would only partially meet Project objectives 1 through 7, as this Alternative would provide the same mix of land uses, with a potential exchange of residential for medical office; would retain and integrate the on-site historic structures; develop multi-story buildings with complementary uses in an underutilized area with transit and pedestrian accessibility; and provide jobs, services, revenues, and opportunities to support the City's fiscal health. However, as discussed above, this Alternative would provide approximately half the density and development as the Project or Project with Building A Residential/Commercial while resulting in the same amount of demolition to redevelop an underutilized site, which overall is an undesirable outcome. Additionally, as discussed above, because of the reduced density under this Alternative, especially on a transit-accessible site, this Alternative would be a less energy-efficient use of the site compared to the Project or Project with Building A Residential/Commercial.

Conclusion

Alternative 2 and Alternative 2 with Building A Residential/Commercial would result in comparatively reduced impacts related to air quality, GHG emissions, noise, public services, recreation, transportation, and utilities and service systems. This alternative would result in similar impacts related to cultural and paleontological resources, hazards and hazardous materials, land use and planning, and tribal cultural resources. Regarding energy, while this Alternative would result in a reduced VT and VMT compared to the Project and Project with Building A Residential/Commercial, it would also represent a less efficient use of the site. As discussed above, this Alternative would result in the same amount of demolition to redevelop an underutilized site and the resulting development would be approximately half as dense as the Project. Notably, this Alternative would not reduce any of the impacts identified for the Project or Project with Building A Residential/Commercial that would require mitigation during construction to reduce the impact to a less than significant level.

4.3.3 ALTERNATIVE 3: ALL RESIDENTIAL PROJECT WITH VARIANCE FOR HISTORIC RESOURCES

Description of the Alternative

Alternative 3 assumes the demolition of 6 (of the 9) existing buildings totaling 45,912 sf, construction of 2 new buildings totaling 338,376 sf, and 79,553 sf of existing development to be retained (i.e., Whole Foods Market and the historic buildings at 501 and 523 South Arroyo Parkway), same as the Project or Project with Building A Residential/Commercial. However, Alternative 3 assumes the new buildings would include up to 289 market-rate residential units (i.e., apartments and/or condominiums) except for ground-floor commercial in Building A.

As shown in Table 4-1 above, Alternative 3 would result in a total of 417,929 sf of aboveground development, including the existing buildings to be retained, as follows:

- Building A: a 154,000-sf, 7-story (aboveground) residential building and ground-floor commercial uses;
- Building B: a 184,376-sf, 7-story (aboveground) residential building; and
- Up to 607 parking spaces in 4 subterranean levels.

Alternative 3 would have maximum building heights, including parapets, of 93.5 feet, the same as the Project. This alternative assumes the historic resources would be retained and incorporated into the design with a variance for historic resources proposed. Alternative 3 assumes the retained

historic buildings would operate as restaurants, same as the Project. Because the same building footprints are assumed under Alternative 3 as the Project, the same number and locations of trees would be removed, and the planting of two new street trees would also be required as a planned condition of approval. The points of ingress/egress and on-site circulation would be the same as the Project.

Alternative 3 would involve the same construction phases and overall schedule as the Project, with construction beginning in 2023 over approximately 34 months. Because there would be one fewer level of subterranean parking, like the Project with Building A Residential/Commercial that has one less subterranean level than the Project, Alternative 3 would involve excavation and export of an estimated 147,211 cy of soil, generating an estimated 10,515 one-way truck trips, over the course of 4 months (103 workdays). This would equate to an average of 102 one-way trips per workday.

Comparative Analysis of Environmental Impacts

Air Quality

Alternative 3 would result in the same estimated construction-related criteria air pollutant emissions as the Project with Building A Residential/Commercial, as this alternative would involve the same amount of aboveground development and levels of subterranean parking. As shown in Table 4-3, Alternative 3 Transportation Analysis Comparison, below under “transportation”, this alternative would result in a reduced VT and VMT per capita compared to the Project and Project with Building A Residential/Commercial. Although impacts with the Project and Project with Building A Residential/Commercial are less than significant, the impacts of Alternative 3 related to air quality would be comparatively less.

Cultural and Paleontological Resources

Alternative 3 would result in the same potential impacts to cultural resources as the Project with Building A Residential/Commercial. This alternative would also integrate the historic buildings (501 and 523 South Arroyo Parkway). Therefore, Alternative 3 would result in the potential significant impact related to alterations to these buildings associated with integration into the Project and occupation by new tenants, requiring implementation of MM CUL-1. This alternative would have the same amount of excavation as the Project with Building A Residential/Commercial. Therefore, Alternative 3 would result in the same potential impact and require implementation of MM CUL-2 to reduce this impact to a less than significant level, same as the Project and Project with Building A Residential/Commercial. This Alternative would less than significant impacts related to paleontological resources, same as the Project with Building A Residential/Commercial.

Energy

Alternative 3 would result in the same construction-related energy use as the Project with Building A Residential/Commercial. As discussed above, this alternative would result in a reduction in both VT and VMT per capita compared to the Project and Project with Building A Residential/Commercial. As such, Alternative 3 would result in reduced long-term mobile (i.e., vehicle) energy demand; however, stationary (i.e., not transportation/mobile) energy demand would be similar to the Project and Project with Building A Residential/Commercial. Accordingly, it is expected that Alternative 3 would also result in less than significant impacts related to the wasteful, inefficient, or unnecessary consumption of energy or conflicts with plans for renewable energy or energy efficiency. Although impacts with the Project and Project with Building A Residential/Commercial are less than significant, the impacts of Alternative 3 related to energy would be comparatively less.

Greenhouse Gas Emissions

Alternative 3 would generate the same construction related GHG emissions as the Project with Building A Residential/Commercial, because Alternative 3 would have the same amount of excavation. As discussed above, this alternative would result in a reduction in both VT and VMT per capita compared to the Project and Project with Building A Residential/Commercial. Vehicle trips are a major driver of GHG emissions. As such, Alternative 3 would result in reduced long-term mobile (i.e., vehicle) GHG emissions. A lower VMT reflects a smaller relative contribution of the site per capita and per service population to GHG emissions. However, stationary (i.e., not transportation/mobile) GHG emissions would be similar to the Project and Project with Building A Residential/Commercial because there would be a similar amount of land uses. As Alternative 3 would have the same construction GHG emissions and reduced operational emissions, development of this Alternative would also be considered consistent with the City's Climate Action Plan (CAP). Although impacts with the Project and Project with Building A Residential/Commercial are less than significant, the impacts of Alternative 3 related to GHG emissions would be comparatively less.

Hazards and Hazardous Materials

Alternative 3 would result in the same potential to expose construction personnel or other individuals to ACMs or lead-based paint LBP that could occur with the Project or Project with Building A Residential/Commercial, as this impact is associated with demolition activities. Construction of this alternative would result in the transport and handling of the same hazardous materials typical of construction activities and would also result in less than significant impacts through compliance with applicable regulations. Alternative 3 would not result in the generation of biomedical waste but would still use hazardous materials common to commercial uses, such as cleaners and solvents. As with the Project, all transport, use, and disposal of hazardous materials under this alternative would be conducted in compliance with applicable regulations and would result in less than significant impacts. Like the Project and Project with Building A Residential/Commercial, Alternative 3 would result in less than significant impacts related to hazards and hazardous materials.

Land Use and Planning

Under Alternative 3, there would be a change in zoning to a PD zone and adoption of a PD Plan. Also, a variance for historic resources would be requested to implement these land uses, the same as the Project and Project with Building A Residential/Commercial. Because a PD zone simultaneously establishes applicable land use regulations and development standards specific to that zoning district and is developed in consideration of existing zoning requirements, with approval of the zone change to a PD zone and approval of this alternative, including Design Review, Alternative 3 would be considered compatible with the City's zoning designations. However, as this alternative would provide only market-rate residential units (with a small amount of ground-floor) commercial uses, there would be less mixed-use development near transit and other existing infrastructure (e.g., roads, utilities, services) and no provision of senior care or housing facilities that are needed in the region. Nonetheless, Alternative 3 would support regional and local planning policies related to reducing vehicle trips per capita by increasing density, including housing, near transit.

Regarding land use plans, policies, or regulations adopted for the purpose of avoiding or reducing an environmental effect, for the City of Pasadena, these are focused on historic resources, GHG emissions/sustainability, and trees/open space. Alternative 3 would result in the same potential impact on historic resources and require implementation of MM CUL-1, similar to the Project. Alternative 3 would be consistent with SCAG's 2020-2045 RTP/SCS, as this alternative would place multi-family housing with some commercial uses in an underutilized site near transit,

thereby resulting in a land use pattern that contributes towards the GHG emissions reduction targets. Alternative 3 would result in the same number of tree removals and the same requirement for planting of two new street trees as the Project or Project with Building A Residential/Commercial. Therefore, like the Project and Project with Building A Residential/Commercial, Alternative 3 would result less than significant impacts related to land use and planning.

Noise

Alternative 3 would generate the same level of construction noise and vibration as the Project and Project with Building A Residential/Commercial and require implementation of MM NOI-1 to reduce potential vibration impacts to the remaining on-site buildings to a less than significant level. Like the Project or Project with Building A Residential/Commercial, although Alternative 3 would generate a higher volume of vehicle trips than the existing conditions, it would also not result in a perceptible change in noise levels. This is because it generally takes a doubling (or a halving) of traffic volumes to generate a change in noise levels that is perceptible to human hearing. The noise generated from stationary uses from this alternative would be similar to the Project and Project with Building A Residential/Commercial and would also be less than significant. Therefore, like the Project and Project with Building A Residential/Commercial, Alternative 3 would result less than significant impacts related to noise with implementation of MM NOI-1.

Public Services and Recreation

Alternative 3 would result in a similar demand for police protection, schools, libraries, and recreational facilities as the Project with Building A Residential/Commercial, because this alternative would result in the same amount of aboveground development and number of residential dwelling units (289). However, without the provision of assisted living facilities, it is expected this alternative would result in slightly less demand for Pasadena Fire Department (PFD) services than the Project or Project with Building A Residential/Commercial. This is because PFD services associated with more frequent ambulance calls related to the assisted living facility would be eliminated. Although impacts with the Project and Project with Building A Residential/Commercial are less than significant, the impacts of Alternative 3 related to public services and recreation would be comparatively less.

Transportation

Pasadena DOT calculated the transportation metrics for each alternative. As shown in Table 4-3, Alternative 3 Transportation Analysis Comparison, this alternative would result in reduced VT and VMT per capita, compared to the Project and Project with Building A Residential/Commercial. The Alternative 3 metrics related to bicycle and transit networks and pedestrian accessibility are similar to the Project and Project with Building A Residential/Commercial. Alternative 3 would not result in any significant transportation impacts.

**TABLE 4-3
ALTERNATIVE 3 TRANSPORTATION ANALYSIS COMPARISON**

Transportation Performance Metrics	Significant Impact Cap (Existing)	Incremental Change (Existing + Alternative 3)	Incremental Change (Existing + Project / Exchange Project)	Significant Impact for Alternative?
VMT Per Capita	>22.6	4.6	19.5 / 8.2	No
VT Per Capita	>2.8	1.7	2.0 / 1.4	No
Proximity and Quality of Bicycle Network	<31.7%	31.8%	32.0% / 32.0%	No
Proximity and Quality of Transit Network	<66.6%	66.7%	66.8% / 66.8%	No
Pedestrian Accessibility	<3.9	3.9	3.9 / 3.9	No
VMT: vehicle miles traveled; VT: vehicle trips				
Source: Pasadena DOT 2022b.				

Therefore, Alternative 3 would not exceed any of the CEQA transportation thresholds defined in the City's TIA Guidelines. Although impacts with the Project or Project with Building A Residential/Commercial are less than significant, the impacts of Alternative 3 related to the City's TIA Guidelines would be comparatively less due to the reduction in both VT and VMT per capita. Alternative 3 would result in the same ground-level circulation pattern; therefore, like the Project and Project with Building A Residential/Commercial, this Alternative would result in less than significant impacts related to circulation system policies, traffic safety, and emergency access.

Tribal Cultural Resources

Alternative 3 would result in similar impacts to tribal cultural resources as the Project with Building A Residential/Commercial, as this alternative would have the same amount of excavation. Therefore, Alternative 3 would result in the same potential impact and require implementation of MM TCR-1 to reduce this impact to a less than significant level, same as the Project and Project with Building A Residential/Commercial.

Utilities and Service Systems

Although Alternative 3 would result in the same number of residential dwelling units as the Project with Building A Residential/Commercial, this alternative would not include assisted living facilities that would demand utilities. Alternative 3 would generate approximately 723 residents associated with up to 289 units⁴ and approximately 9 employees associated with the commercial uses on the ground floor of Building A. As shown in Table 4-4, Alternative 3 Utility Comparison, compared to the Project and Project with Building A Residential/Commercial, this alternative would result in reduced water demand, wastewater generation, and solid waste generation based on the applicable demand/generation rates for each utility.

⁴ Based on a rate of 2.5 persons per household derived from the Southern California Association of Governments (SCAG) 2019 Profile for the City of Pasadena (SCAG 2019).

**TABLE 4-4
ALTERNATIVE 3 UTILITY COMPARISON**

Scenario	Net Water Demand (afy)	Net Wastewater Generation (gpd)	Solid Waste Generation (tpy)
Alternative 3	36 ^a	38,168 ^b	1,236 ^c
Project	76	76,844	2,175
Project with Building A Residential/Commercial	68	76,844	1,433
^a Based on water demand of 195 gpd/du (same as Project with Building A Residential/Commercial) plus 3.36 afy for commercial uses and 0.19 afy for landscaping less 30.72 afy for existing uses to be replaced (see Table 3.11-8 in Section 3.11, Utilities and Service Systems, of this Draft EIR) ^b Based on Los Angeles County Sanitation Districts wastewater loading rates of 156 gpd/du for residential of five units or more and 1,000 gpd/1,000 sf for 8,882 sf of restaurant less 15,798 gpd for existing uses to be replaced ^c Based on the City's 2019 disposal rate of 9.2 PPD per capita and 13.4 PPD per employee afy: acre-feet per year; gpd: gallons per day; tpy: tons per year; du: dwelling unit; sf: square feet; PPD: pounds per day			

Electric and natural gas services are regulated by the California Public Utilities Commission (CPUC), which requires that these utilities provide services as required by the public. Telecommunications services are provided on demand in a free market system. Although impacts with the Project and Project with Building A Residential/Commercial are less than significant, the impacts of Alternative 3 related to utilities and service systems would be comparatively less.

Ability to Meet Project Objectives

Alternative 3 would not meet objectives 3 and 4 because this alternative would not provide assisted living facilities or otherwise provide for varying levels of housing for seniors. As such, this Alternative would not provide assisted living facilities with nearby access to local commercial services, health care facilities, community facilities, and public transit. Nor would this Alternative contribute to satisfying local and regional demand for varying level of care to individuals. Alternative 3 would partially meet objectives 1 and 2. The ground floor commercial uses proposed in Building A under this alternative would provide jobs, services, and revenues, in a mixed-use setting in an underutilized site; thereby contributing to the fiscal health of the City and the Central District. However, Alternative 3 would result in a net reduction in commercial land uses on the site compared to the existing conditions.

Alternative 3 would meet objectives 5, 6, and 7. The buildings constructed under this alternative would comply with State and local energy- and water-efficiency requirements and would retain and integrate the historic resources on the site. Also, as discussed above, this alternative would result in reduced VT and VMT per capita and reduced water demand, wastewater generation, and solid waste generation compared to the Project and Project with Building A Residential/Commercial. As such, Alternative 3 would result in a sustainable investment in land uses providing for the needs of residents and businesses in proximity to transit opportunities.

Conclusion

Alternative 3 would result in comparatively reduced impacts related to air quality, energy, GHG emissions, public services, recreation, transportation, and utilities and service systems. For all other topics, including cultural and paleontological resources, hazards and hazardous materials, land use and planning, noise, and tribal cultural resources, Alternative 3 would result in similar impacts. Notably, this alternative would not reduce any of the impacts identified for the Project and Project with Building A Residential/Commercial that would require mitigation during construction to reduce the impacts to a less than significant level.

4.3.4 ALTERNATIVE 4: ALL MEDICAL OFFICE PROJECT WITH VARIANCE FOR HISTORIC RESOURCES

Description of the Alternative

Alternative 4 assumes the demolition of 6 (of the 9) existing buildings totaling 45,912 sf, construction of 2 new buildings totaling 338,376 sf, and 79,553 sf of existing development to be retained (i.e., Whole Foods Market and the historic buildings at 501 and 523 South Arroyo Parkway), the same as the Project or Project with Building A Residential/Commercial. However, Alternative 4 assumes the new buildings would include solely medical office uses except for ground-floor commercial in Building A.

As shown in Table 4-1 above, Alternative 4 would result in a total of 417,929 sf of aboveground development, including the existing buildings to be retained, as follows:

- Building A: a 154,000-sf, 7-story (aboveground) medical office building and ground-floor commercial uses;
- Building B: a 184,376-sf, 7-story (aboveground) medical office building; and
- Up to 1,218 parking spaces in 7 subterranean levels.

Alternative 4 would have maximum building heights, including parapets, of 93.5 feet, the same as the Project. This alternative assumes the historic resources would be retained and incorporated into the design with a variance for historic resources proposed. Alternative 4 assumes the retained historic buildings would operate as restaurants, the same as the Project. Because the same building footprints are assumed under Alternative 4 as the Project, the same number and locations of trees would be removed, and the planting of two new street trees would be required. The points of ingress/egress and on-site circulation would be the same as the Project.

Alternative 4 would involve the same construction phases and overall schedule as the Project, with construction beginning in 2023 over approximately 34 months. Because Alternative 4 would propose two additional levels of subterranean parking, based on a proportional increase in grading per level for the Project, Alternative 4 would involve the excavation and export of approximately 257,614 cy of soil generating an estimated 18,401 one-way truck trips over the course of 4 months (103 workdays). This alternative would result in approximately 40 percent more excavation (or 73,604 cy) than the Project and approximately 75 percent more excavation (or 110,406 cy) than the Project with Building A Residential/Commercial.

Comparative Analysis of Environmental Impacts

Air Quality

Alternative 4 would result in greater construction-related criteria air pollutant emissions than the Project or Project with Building A Residential/Commercial, as this alternative would involve a total of seven levels of subterranean parking. This alternative would result in approximately 40 percent more excavation (or 73,604 cy) than the Project and approximately 75 percent more excavation (or 110,406 cy) than the Project with Building A Residential/Commercial. Therefore, there would be a greater amount of excavation activity with off-road equipment and a greater number of truck trips for soil export. Similarly, as shown in Table 4-5, Alternative 4 Transportation Analysis Comparison, below under “transportation”, this alternative would result in an increased VT and VMT per capita, compared to the Project and Project with Building A Residential/Commercial. Therefore, the impacts of Alternative 4 related to air quality would be comparatively greater than the Project and Project with Building A Residential/Commercial.

Cultural and Paleontological Resources

Alternative 4 would also integrate the historic buildings (501 and 523 South Arroyo Parkway). Therefore, Alternative 4 would result in the potential significant impact related to alterations to these buildings associated with integration into the Project and occupation by new tenants, requiring implementation of MM CUL-1. Although Alternative 4 would require a greater depth of excavation than the Project and the Project with Building A Residential/Commercial, Alternative 4 would result in the same potential impacts to cultural resources as the potential for impacts to unknown historic (buried) and archaeological resources is associated with any excavation in both disturbed and native soils. Therefore, Alternative 4 would result in the same potential impact as the Project and Project with Building A Residential/Commercial and require implementation of MM CUL-2 to reduce this impact to a less than significant level. This Alternative would have less than significant impacts related to paleontological resources, the same as the Project and Project with Building A Residential/Commercial.

Energy

Alternative 4 would result in greater construction-related energy use than the Project or Project with Building A Residential/Commercial, as this alternative would involve a total of seven levels of subterranean parking. This alternative would result in approximately 40 percent more excavation (or 73,604 cy) than the Project and approximately 75 percent more excavation (or 110,406 cy) than the Project with Building A Residential/Commercial. Therefore, there would be a greater amount of excavation activity with off-road equipment and a greater number of truck trips for soil export.

Similarly, as shown in Table 4-5, Alternative 4 Transportation Analysis Comparison, below under “transportation”, this alternative would result in an increased VT and VMT per capita, compared to the Project and Project with Building A Residential/Commercial. As such, Alternative 4 would result in greater long-term mobile (i.e., vehicle) energy demand; however, stationary (i.e., not transportation/mobile) energy demand would be similar to the Project and Project with Building A Residential/Commercial. Therefore, Alternative 4 would be less energy efficient in construction and operation than the same amount of above-ground development as the Project or Project with Building A Residential/Commercial. Therefore, the impacts of Alternative 4 related to energy use would be comparatively greater than the Project and Project with Building A Residential/Commercial.

Greenhouse Gas Emissions

Alternative 4 would result in greater construction related GHG emissions than the Project or Project with Building A Residential/Commercial, as this alternative would involve a total of seven levels of subterranean parking. This alternative would result in approximately 40 percent more excavation (or 73,604 cy) than the Project and approximately 75 percent more excavation (or 110,406 cy) than the Project with Building A Residential/Commercial. Therefore, there would be a greater amount of excavation activity with off-road equipment and a greater number of truck trips for soil export. Similarly, as shown in Table 4-5, Alternative 4 Transportation Analysis Comparison, below under “transportation”, this alternative would result in an increased VT and VMT per capita, compared to the Project and Project with Building A Residential/Commercial. Vehicle trips are a major driver of GHG emissions, and a higher VMT reflects a greater relative contribution of the site’s GHG emissions. Therefore, the impacts of Alternative 4 related to GHG emission would be comparatively greater than the Project and Project with Building A Residential/Commercial.

Hazards and Hazardous Materials

Alternative 4 would result in the same potential to expose construction personnel or other individuals to ACMs or lead-based paint LBP that could occur with the Project or Project with Building A Residential/Commercial, as this impact is associated with demolition activities. Construction of this alternative would result in the transport and handling of the same hazardous materials typical of construction activities and would also result in less than significant impacts through compliance with applicable regulations. Alternative 4 would result in the generation of biomedical waste and other hazardous materials common to commercial and medical uses. As with the Project, all transport, use, and disposal of hazardous materials under this alternative would be conducted in compliance with applicable regulations and would result in less than significant impacts. Like the Project and Project with Building A Residential/Commercial, Alternative 4 would result less than significant impacts related to hazards and hazardous materials.

Land Use and Planning

Under Alternative 4, there would also be change in zoning to a PD zone and adoption of a PD Plan. Similarly, a variance for historic resources would be requested to implement these land uses, the same as the Project and Project with Building A Residential/Commercial. Because a PD zone simultaneously establishes applicable land use regulations and development standards specific to that zoning district and is developed in consideration of existing zoning requirements, with approval of the zone change to a PD zone and approval of this alternative, including Design Review, Alternative 4 would be considered compatible with the City's zoning designations. However, this alternative would provide less mixed-use development near transit and other existing infrastructure (e.g., roads, utilities, services), and would provide no senior care or housing facilities that are needed in the region.

Regarding land use plans, policies, or regulations adopted for the purpose of avoiding or reducing an environmental effect, for the City of Pasadena, these are focused on historic resources, GHG emissions/sustainability, and trees/open space. Alternative 4 would result in the same potential impact on historic resources and require implementation of MM CUL-1, as the Project. Alternative 4 would be consistent with SCAG's 2020-2045 RTP/SCS, as this alternative would place a higher density land use on an underutilized site near transit. However, the provision of solely medical office with limited commercial, and no mix of housing and/or senior care and housing, would result in a land use pattern that contributes to higher GHG emissions than the Project or Project with Building A Residential/Commercial. Also, this alternative would result in an increased VT and VMT per capita, compared to the Project and Project with Building A Residential/Commercial. Alternative 4 would result in the same number of tree removals and the same requirement for planting of two new street trees as the Project or Project with Building A Residential/Commercial. Therefore, the impacts of Alternative 4 related to land use and planning would be comparatively greater than the Project and Project with Building A Residential/Commercial.

Noise

Alternative 4 would generate the same level of construction noise and vibration as the Project and Project with Building A Residential/Commercial and require implementation of MM NOI-1 to reduce potential vibration impacts to the remaining on-site buildings to a less than significant level. Although there would be a greater amount of excavation associated with this Alternative, this would not affect the noise generation on a daily basis during the excavation phase of construction. Like the Project or Project with Building A Residential/Commercial, although Alternative 4 would generate a higher volume of vehicle trips than the existing conditions, it would also not result in a perceptible change in noise levels. This is because it generally takes a doubling of traffic volumes to generate a change in noise levels that is perceptible to human hearing (i.e., about 3 dBA). The

noise generated from stationary uses from this alternative would be similar to the Project and Project with Building A Residential/Commercial and would also be less than significant. Like the Project and Project with Building A Residential/Commercial, Alternative 4 would result in less than significant impacts related to noise with implementation of MM NOI-1.

Public Services and Recreation

Alternative 4 would result in a reduced demand for public services tied to resident population (i.e., schools and/or libraries) and recreational facilities as the Project with Building A Residential/Commercial, because this alternative would not include any housing. Alternative 4 would result in a similar demand for fire protection and police protection services, because these services are tied to all land development regardless of type. Therefore, although impacts with the Project and Project with Building A Residential/Commercial are less than significant, the impacts of Alternative 4 related to public services and recreation would be comparatively lesser than the Project and Project with Building A Residential/Commercial.

Transportation

Pasadena DOT calculated the transportation metrics for each alternative. As shown in Table 4-5, Alternative 4 Transportation Analysis Comparison, this alternative would result in an increased VT and VMT per capita, compared to the Project and Project with Building A Residential/Commercial. Additionally, the VT and VMT per capita would exceed the significance threshold for these metrics. The Alternative 4 metrics related to bicycle and transit networks and pedestrian accessibility are similar to the Project and Project with Building A Residential/Commercial.

**TABLE 4-5
ALTERNATIVE 4 TRANSPORTATION ANALYSIS COMPARISON**

Transportation Performance Metrics	Significant Impact Cap (Existing)	Incremental Change (Existing + Alternative 4)	Incremental Change (Existing + Project / Exchange Project)	Significant Impact for Alternative?
VMT Per Capita	>22.6	28.6	19.5 / 8.2	Yes
VT Per Capita	>2.8	2.9	2.0 / 1.4	Yes
Proximity and Quality of Bicycle Network	<31.7%	32.1%	32.0% / 32.0%	No
Proximity and Quality of Transit Network	<66.6%	66.9%	66.8% / 66.8%	No
Pedestrian Accessibility	<3.9	3.9	3.9 / 3.9	No
VMT: vehicle miles traveled; VT: vehicle trips				
Source: Pasadena DOT 2022c.				

Therefore, Alternative 4 would exceed the CEQA transportation thresholds defined in the City's TIA Guidelines, resulting in a new significant impact compared to the Project or Project with Building A Residential/Commercial. Therefore, the impacts of Alternative 4 related to transportation would be comparatively greater than the Project and Project with Building A Residential/Commercial.

Tribal Cultural Resources

Alternative 4 would result in similar impacts to tribal cultural resources as the Project with Building A Residential/Commercial, although this alternative would have a greater amount of excavation.

The potential for impacts to unknown tribal cultural resources is associated with any excavation in both disturbed and native soils. Therefore, Alternative 4 would result in the same potential impact and require implementation of MM TCR-1 to reduce this impact to a less than significant level, same as the Project and Project with Building A Residential/Commercial.

Utilities and Service Systems

Based on the employee generation per square foot of the Project, Alternative 4 would generate approximately 1,435 employees associated with the medical office uses and approximately 9 employees associated with the commercial uses on the ground floor of Building A. As shown in Table 4-6, Alternative 4 Utility Comparison, compared to the Project and Project with Building A Residential/Commercial, this alternative would result in higher water demand and solid waste generation based on the applicable demand/generation rates for these utilities. For wastewater generation, Alternative 4 would result in a lower generation than the Project and Project with Building A Residential/Commercial.

**TABLE 4-6
ALTERNATIVE 4 UTILITY COMPARISON**

Scenario	Net Water Demand (afy)	Net Wastewater Generation (gpd)	Solid Waste Generation (tpy)
Alternative 4	86 ^a	60,159 ^b	3,531 ^c
Project	76	76,844	2,175
Project with Building A Residential/Commercial	68	76,844	1,433
^a Based on water demand of 300 gpd/1,000 sf for 335,376 sf of medical office uses plus 3.36 afy for commercial uses and 0.19 afy for landscaping less 30.72 afy for existing uses to be replaced (see Table 3.11-8 in Section 3.11, Utilities and Service Systems, of this Draft EIR) ^b Based on Los Angeles County Sanitation Districts wastewater loading rates of 200 gpd/1,000 sf of professional building and 1,000 gpd/1,000 sf for 8,882 sf of restaurant less 15,798 gpd for existing uses to be replaced ^c Based on the City's 2019 disposal rate of 13.4 PPD per employee to a total of 1,444 employees afy: acre-feet per year; gpd: gallons per day; tpy: tons per year; du: dwelling unit; sf: square feet; PPD: pounds per day			

Electric and natural gas services are regulated by the California Public Utilities Commission (CPUC), which requires that these utilities provide services as required by the public. Telecommunications services are provided on demand in a free market system. Based on the substantive increase in water demand and solid waste generation, the impacts of Alternative 4 related to utilities and service systems would be comparatively greater than the Project and Project with Building A Residential/Commercial but would remain less than significant.

Ability to Meet Project Objectives

Alternative 4 would not meet objectives 3 and 4 because this Alternative would not provide assisted living facilities or otherwise provide for varying levels of housing for seniors. As such, this Alternative would not provide assisted living facilities with nearby access to local commercial services, health care facilities, community facilities, and public transit. Nor would this Alternative contribute to satisfying local and regional demand for varying level of care to individuals.

Alternative 4 would partially meet objective 5. The buildings constructed under this Alternative would comply with State and local energy- and water-efficiency requirements, same as the Project and Project with Building A Residential/Commercial. However, as discussed above, this Alternative would result in greater VT and VMT per capita and result in a new significant impact related to transportation. Additionally, Alternative 4 would result in substantively higher water

demand and solid waste generation, while wastewater generation would be lower than the Project and Project with Building A Residential/Commercial.

Alternative 4 would meet objectives 1, 2, 6, and 7. This Alternative would provide jobs, services, and revenues, on an underutilized site and in proximity to transit opportunities; thereby contributing to the fiscal health of the City and the Central District. Alternative 4 would retain and integrate the historic resources on the site.

Conclusion

Alternative 4 would result in comparatively increased impacts related to air quality, energy, GHG emissions, land use and planning, and utilities and service systems. For transportation, the impacts of Alternative 4 related to conflict with the City's TIA Guidelines would be comparatively greater and impacts related to all other transportation issues (circulation system policies, traffic safety, and emergency access) would be similar. For public services and recreation, Alternative 4 would result in comparatively reduced impacts. For all other topics, including cultural and paleontological resources, hazards and hazardous materials, noise, and tribal cultural resources, Alternative 4 would result in similar impacts. Notably, this Alternative would not reduce any of the impacts identified for the Project and Project with Building A Residential/Commercial that would require mitigation during construction to reduce the impacts to a less than significant level.

4.4 ENVIRONMENTALLY SUPERIOR ALTERNATIVE

CEQA requires the identification of an environmentally superior alternative. Section 15126.6(e)(2) of the State CEQA Guidelines states that, if the No Project Alternative is the environmentally superior alternative, then the EIR shall also identify an environmentally superior alternative among the other alternatives. Table 4-7, Comparison of Alternative Impacts, on page 4-28 provides a summary comparison of impacts resulting from all alternatives to the Project and Project with Building A Residential/Commercial. Table 4-8, Ability of Project Alternatives to Meet Objectives, on page 4-29 provides a summary of each alternatives relative ability to meet the Project objectives.

As shown in Table 4-7, only Alternative 1 would comparatively reduce all environmental impacts of the Project or Project with Building A Residential/Commercial. Of the build alternatives (i.e., Alternatives 2, 3, 4), Alternative 2/Alternative 2 with Building A Residential/Commercial and Alternative 3 would comparatively have a similar reduction in impacts, with all topics either reduced (six topics reduced for each alternative) or equal compared to both the Project and Project with Building A Residential/Commercial. Alternative 2/Alternative 2 with Building A Residential/Commercial and Alternative 3 both have comparatively reduced impacts related to the same topics except energy and noise. Alternative 2/Alternative 2 with Building A Residential/Commercial would have similar impacts related to energy and reduced impacts related to noise. Alternative 3 would have reduced impacts related to energy and similar impacts related to noise. Alternative 4 would comparatively increase environmental impacts for several topics.

The comparatively reduced noise impact for Alternative 2 and Alternative 2 with Building A Residential/Commercial is related to reduced operational traffic generation. However, this change in traffic would not result in an audible change in noise levels (i.e., 3 dBA or more).

The comparative increased energy impact for Alternative 2 and Alternative 2 with Building A Residential/Commercial is related to these scenarios being a less efficient use of land. While this Alternative would not be considered to result wasteful, inefficient, or unnecessary consumption of energy, this Alternative would result in the same amount of demolition to redevelop an underutilized site and the resulting development would be approximately half as dense as

Alternative 3 or the Project and Project with Building A Residential/Commercial. As discussed previously, although this Alternative would result in a reduced VT and VMT per capita, it would not support regional and local planning policies related to reducing vehicle trips per capita by increasing density (including housing) near transit to the same degree as Alternative 3 or Project and Project with Building A Residential/Commercial.

Critically, Alternative 2 and Alternative 2 with Building A Residential/Commercial would be less consistent with the 2020-2045 RTP/SCS than Alternative 3 or the Project and Project with Building A Residential/Commercial. This is because of the reduced amount of redevelopment on an underutilized site, particularly near transit, would result in a land use pattern that contributes less towards the GHG emissions reduction targets compared to Alternative 3, the Project, and Project with Building A Residential/Commercial. This Alternative would also provide less mixed-use development near transit and other existing infrastructure (e.g., roads, utilities, services).

On balance, when considering that the difference in comparative impacts between Alternative 2/Alternative 2 with Building A Residential/Commercial and Alternative 3 ties into overriding land use policies adopted for the purposing of avoiding or reducing an environmental effect, the higher intensity development represented by Alternative 3 would be a preferable scenario.

None of the build alternatives would reduce or eliminate the significant impacts of the Project and Project with Building A Residential/Commercial with or without mitigation. This is because these impacts are related to construction activity and would occur regardless of the scope of construction. Specifically, potential impacts to cultural and tribal cultural resources are associated with any excavation in both disturbed and native soils. The potential impact related to vibration damage to the existing on-site buildings to remain would occur with any of the alternatives because the same type(s) of construction activity and equipment that could result in this impact would be used.

Alternative 3 is concluded to be the environmentally superior alternative because of (1) reduced comparative impacts, (2) the extent of the reduction in VT and VMT per capita compared to both the Project and Project with Building A Residential/Commercial while maximizing the redevelopment of an underutilized site near transit, and (3) a greater consistency with local, regional, and State policies adopted for the purpose of avoiding or reducing an environmental effect.

**TABLE 4-7
COMPARISON OF IMPACTS FOR PROJECT ALTERNATIVES**

PEIR Section & Environmental Issue	Comparison of Each Alternative to Project/Project with Building A Residential/Commercial Impacts			
	Alternative 1 (No Project/ No Development)	Alternative 2 (Project Development with Existing Zoning) ^a	Alternative 3 (All Residential Project with Variance for Historic Resources)	Alternative 4 (All Medical Office Project with Variance for Historic Resources)
3.1 Air Quality	<	<	<	>
3.2 Cultural and Paleontological Resources	<	=	=	=
3.3 Energy	<	=	<	>
3.4 Greenhouse Gas Emissions	<	<	<	>
3.5 Hazards and Hazardous Materials	<	=	=	=
3.6 Land Use and Planning	<	=	=	>
3.7 Noise	<	<	=	=
3.8 Public Services and Recreation	<	<	<	<
3.9 Transportation	<	<	<	>
3.10 Tribal Cultural Resources	<	=	=	=
3.11 Utilities and Service Systems	<	<	<	>
^a Reflects analysis of both Alternative 2 and Alternative 2 with Building A Residential/Commercial; if one comparative impact finding is shown it applies to both scenarios Legend: > – Impact Greater than Project/Project with Building A Residential/Commercial < – Impact Less than Project/Project with Building A Residential/Commercial < / > – Impact Less than Project / Greater than Project with Building A Residential/Commercial = – Impact Same as Project/Project with Building A Residential/Commercial (with mitigation if applicable)				

**TABLE 4-8
ABILITY OF PROJECT ALTERNATIVES TO MEET OBJECTIVES**

Project Objectives	Comparison of Each Alternative to Project Objectives			
	Alternative 1 (No Project/ No Development)	Alternative 2 (Project Development with Existing Zoning)	Alternative 3 (All Residential Project with Variance for Historic Resources)	Alternative 4 (All Medical Office Project with Variance for Historic Resources)
1. Reinforce and strengthen Arroyo Parkway as a major commercial corridor and the Central District's economic vitality through the development of multi-story buildings with a variety of complementary commercial and/or residential uses in underutilized areas with higher development capacity.	○	◐	◐	●
2. Provide jobs, services, revenues, and opportunities that will support Pasadena as an economically vital city and allow for continued fiscal health	○	◐	◐	●
3. Develop assisted living facilities that have access to local commercial services, health care facilities, community facilities, and public transit	○	◐	○	○
4. Satisfy local and regional demand for varying levels of care (independent living, residential care, continuing care) to individuals, depending on need, that are transit-accessible and pedestrian-friendly	○	◐	○	○
5. Improve Pasadena's infrastructure and urban form through modernized buildings that are energy- and water-efficient	○	◐	●	◐
6. Preserve and integrate Pasadena's historic resources as part of a complementary development that reduces the risk of resource demolition, deterioration by neglect, and/or impacts from natural circumstances.	○	◐	●	●
7. Invest sustainably by providing for the needs of existing and future residents and businesses while in proximity to transportation opportunities	○	◐	●	●
Legend: ● – Fully Meets ◐ – Partially Meets ○ – Does Not Meet				

4.5 REFERENCES

Pasadena Department of Transportation (DOT). 2022a (January 14). Alternative_2_wcalcs.pdf. Pasadena, CA: Pasadena DOT.

———. 2022b (January 14). Alternative_3_wcalcs.pdf. Pasadena, CA: Pasadena DOT.

———. 2022c (January 14). Alternative_4_wcalcs.pdf. Pasadena, CA: Pasadena DOT.

SECTION 5.0 OTHER REQUIRED CEQA CONSIDERATIONS

Section 15126 of the State CEQA Guidelines requires that all aspects of a project be considered when evaluating its impact on the environment, including planning, acquisition, development, and operation. An EIR must identify the following for the project being analyzed (the location of the required information in this Draft EIR is presented in parentheses):

- a) Significant environmental effects of the proposed Project (see Table ES-1 and Sections 3.1 through 3.11);
- b) Significant environmental effects which cannot be avoided if the proposed Project is implemented (see Table ES-1, Sections 3.1 through 3.11, and Section 4.0);
- c) Significant irreversible environmental changes which would be involved in the proposed Project should it be implemented (see Section 5.1);
- d) Growth-inducing impacts of the proposed Project (see Section 5.2);
- e) The mitigation measures proposed to minimize significant effects (see Table ES-1 and Sections 3.1 through 3.11); and,
- f) Alternatives to the proposed Project (see Section 4.0)

5.1 **SIGNIFICANT IRREVERSIBLE ENVIRONMENTAL CHANGES**

Section 15126.2(c) of the State CEQA Guidelines requires a discussion of any significant irreversible environmental changes that would be caused by the Project. Section 15126.2(c) states:

“Uses of nonrenewable resources during the initial and continued phases of the project may be irreversible, since a large commitment of such resources makes removal or nonuse thereafter unlikely. Primary impact and, particularly, secondary impacts (such as highway improvement which provides access to a previously inaccessible area) generally commit future generations to similar uses. Also, irreversible damage can result from environmental accidents associated with the project. Irretrievable commitments of resources should be evaluated to assure that such current compensation is justified.”

As such, a project would generally result in significant irreversible environmental changes if:

- The proposed consumption of resources is not justified (e.g., the project involved the wasteful or inefficient use of energy);
- The project would involve a large commitment of nonrenewable resources; or
- The project would involve uses in which irreversible damage could result from any potential environmental accidents associated with the project.

The environmental effects related to the implementation of the proposed Project are analyzed in Sections 3.1 through 3.11 of this Draft EIR and in the Initial Study (Appendix A-1). Implementation of the Project would convert all but two of existing commercial buildings to a medical office building, commercial uses, and an assisted living building with subsurface parking and related improvements. The Project with Building A Residential/Commercial would convert the site into a residential building, commercial uses, and an assisted living building. Because the proposed uses would be a redevelopment of the site, neither the Project nor Project with Building A Residential/Commercial is considered a new long-term commitment of land resources. Nevertheless, construction activities would result in the irretrievable commitment of nonrenewable

energy resources, primarily in the form of fossil fuels (including fuel oil), natural gas, and gasoline for automobiles and construction equipment. However, the Project or Project with Building A Residential/Commercial would not be creating a need for jobs or housing. The resulting growth under either scenario would fulfill an existing and anticipated future need that is based on estimates of local and regional population growth. Therefore, the non-renewable resources used in construction would be expected to be consumed by housing and employment-generating land uses that are anticipated, and are unfulfilled, in the City and the wider region. Additionally, the land uses proposed are not unusually wasteful or excessive in terms of construction materials and fossil fuel use.

Over the long term, operation of the new land uses would require the commitment and reduction of nonrenewable and slowly renewable resources, including petroleum fuels and natural gas (for vehicle emissions, lighting, heating, and cooling of structures). Other resources that are slow to renew and/or recover from environmental stressors would also be impacted by long-term implementation of the Project or Project with Building A Residential/Commercial (e.g., air quality through the combustion of fossil fuels and production of greenhouse gases, and water supply through the increased potable water demands for drinking, cooking, cleaning, landscaping, and general maintenance needs). However, the proposed uses would be required to meet Title 24 energy efficiency standards and applicable CALGreen requirements. As such, operation of the proposed uses would be more energy efficient than any existing use on the site. Additionally, the land uses proposed are not unusually wasteful or excessive in terms of fossil fuel use. This is in part because of the higher density development for the Project site. Nonetheless, the Project or Project with Building A Residential/Commercial represent a long-term commitment of essentially non-renewable resources.

Regarding the potential for irreversible damage caused by environmental accidents, while construction and operation of the Project or Project with Building A Residential/Commercial would result in the use, transport, storage, and disposal of hazardous materials and/or wastes typical of urban areas, such as associated with medical/health care facilities, dry cleaners, restaurant and office cleaning/maintenance, and landscape maintenance, as described in Section 3.5, Hazards and Hazardous Materials, all activities would comply with applicable State and federal laws related to hazardous materials transport, use, and storage. This would significantly reduce the likelihood and severity of accidents that could result in irreversible environmental damage, and such an accident resulting in irreversible damage is not considered reasonably foreseeable.

In summary, the Project or Project with Building A Residential/Commercial would result in the irretrievable commitment of limited, slowly renewable, and nonrenewable resources, which would reduce the availability of these particular resource quantities for future generations or for other future uses. However, the use of such resources are anticipated and accounted for in the State, regional, and local regulations, which generally prohibit wasteful practices and require environmentally conservative actions, as summarized in the “Relevant Programs and Regulations” discussion within Sections 3.1 through 3.11 of this Draft EIR. Therefore, although irreversible changes would result from implementation of the Project or Project with Building A Residential/Commercial, such changes would not be considered significant, and no mitigation is required.

5.2 GROWTH-INDUCING IMPACTS

Pursuant to Section 15126.2(d) of the State CEQA Guidelines, this analysis examines ways in which the Project or Project with Building A Residential/Commercial could foster economic or population growth or the construction of additional development, either directly or indirectly, in the surrounding environment. Also, this section discusses whether the Project or Project with Building A Residential/Commercial could encourage and facilitate other activities that could significantly affect the environment, either individually or cumulatively. Growth can be induced in a number of

ways, such as through the elimination of obstacles to growth, through the stimulation of economic activity within the region, or through the establishment of policies or other precedents that directly or indirectly encourage additional growth. Although growth inducement itself is not considered an environmental effect, it could potentially lead to environmental effects.

Accordingly, a project may foster spatial, economic, or population growth in a geographic area if it meets one or more of the following criteria:

1. Removal of an obstacle to growth (e.g., construction or extension of major infrastructure, providing new access to an area);
2. Foster population growth (e.g., construction of additional housing), either directly or indirectly;
3. Foster economic effects that could result in other activities that could significantly affect the environment (e.g., changes in revenue base, employment expansion);
4. Establish a precedent-setting action that could result in other activities that could significantly affect the environment (e.g., an innovation, a change in zoning, general plan amendment); and/or
5. Development of or encroachment on an isolated or adjacent area of open space (being distinct from an in-fill project).

The potential growth-inducing impacts associated with the Project and Project with Building A Residential/Commercial are evaluated below against these criteria. It should be noted that growth-inducing effects are not necessarily beneficial, detrimental, or of little significance to the environment (Section 15126.2[d] of the State CEQA Guidelines). This issue is presented to provide additional information on ways in which this Project could contribute to significant changes in the environment, beyond the direct consequences of implementing the Project or Project with Building A Residential/Commercial.

1) Would this Project remove obstacles to growth (e.g., through the construction or extension of major infrastructure facilities that do not presently exist in the project area or through changes in existing regulations pertaining to land development)?

As discussed in Section 3.11, Utilities and Service Systems, no major new infrastructure facilities are required to support the Project or Project with Building A Residential/Commercial beyond the new connections to existing utilities that would be constructed on the site. Existing utility facilities are available adjacent to the Project site; however, new service connections to these existing lines (including water, sewer, electric, telecommunication systems, and storm drain lines) would be needed. There are existing roadways that serve the site and no new roadways or extension of existing roadways would be necessary.

As discussed in Section 2.7, Intended Uses of the EIR, approval of the Planned Development (PD) Zoning District and PD Plan (this includes approval of the Affinity Project, zoning map amendment to rezone the property from CD-6 to PD-39, and variance for Historic Resources for Building Height) would be required to allow for development of the Project or Project with Building A Residential/Commercial. But these changes would be specific to the Project site and would not remove obstacles to growth in the surrounding area. The proposed uses under either scenario are in line with the collective uses and growth within the area and part of the development in the City that has been trending toward greater density development. As such, this type of growth is consistent with the general uses in the Project area.

2) Would this Project result in the need to expand one or more public services to maintain desired levels of service?

As discussed in Section 3.8, Public Services and Recreation, none of the public service agencies consulted—Pasadena Fire Department; Pasadena Police Department; Pasadena's Parks, Recreation, and Community Services Department; and Pasadena Public Library—during the preparation of this Draft EIR indicated that the Project or Project with Building A Residential/Commercial would necessitate the immediate expansion of their existing resources in order to maintain desired levels of service. While Pasadena Unified School District was consulted, there was no response. However, as discussed in Section 3.8, Senate Bill 50 establishes developer fees that are considered full and complete mitigation for school facilities. If any public service agency's resources do need to be expanded because of Citywide growth, funding mechanisms are in place through existing regulations to accommodate such growth. The Project or Project with Building A Residential/Commercial would not, therefore, have significant growth-inducing consequences with respect to public services.

3) Would this Project encourage or facilitate economic effects that could result in other activities that could significantly affect the environment?

During construction of the Project or Project with Building A Residential/Commercial, a number of design, engineering, and construction-related jobs would be created at the site. This would be a temporary situation, lasting until construction is completed. The construction crew would obtain commercial goods and services from existing businesses near the site. This would provide economic stimulus in the area; however, these jobs are typically filled by existing residents of the region and would not be substantial enough to foster other activities (e.g., new real estate development) that would have significant effects on the environment.

As discussed in Section 2.0, Environmental Setting and Project Description, operation of the Project would result in up to 222 residents, 737 employees, and up to 694 visitors per day. Operation of the Project with Building A Residential/Commercial would result in up to 715 residents, 95 employees, and up to 128 visitors per day. This would represent an increased demand for economic goods and services in the Project area and could, therefore, encourage the creation of new businesses, the expansion of existing businesses, or investment in commercial uses near the site that address these economic needs.

At any given time, there are a variety of vacant commercial buildings for sale or lease available throughout the City that can accommodate future business. New commercial or mixed-use development not utilizing existing buildings at the respective site would generally involve site redevelopment. With regard to expansion of commercial uses in the City resulting in environmental impacts, both the use of existing buildings (and related updates) or redevelopment of a site are generally relatively low impact activities compared to development on greenfields and/or locations without existing utility and transportation infrastructure. While there could be an indirect, growth-inducing effect caused by the Project (or Project with Building A Residential/Commercial), such development would be within the growth anticipated for the City. As noted in Section 2.6, Approach to Cumulative Impact Analysis, there is over 3.3 million commercial square feet of remaining development capacity throughout the City pursuant to the City's General Plan (refer to Table 2-5) (Pasadena 2021).

Demand for housing from on-site employees not already living in the City may also increase occupancy in the City's vacant dwelling units (estimated at 11,479 dwelling units

in May 2021) (DOF 2021). Additionally, any demand for housing from employees would also be within the growth anticipated for the City, as there are 2,483 residential units in the City's remaining development capacity as of October 2021 (Pasadena 2021). The environmental impacts of future development near the site would have to be considered by the City of Pasadena as part of individual environmental reviews, in accordance with CEQA. Therefore, the Project and Project with Building A Residential/Commercial would not result in significant impacts with regards to indirect growth due to encouragement of economic effects.

4) Would approval of this Project involve some precedent-setting action that could encourage and facilitate other activities that could significantly affect the environment?

The Project and Project with Building A Residential/Commercial would not require a General Plan amendment, but approval of a PD district and PD Plan (includes zoning map amendment to rezone the property from CD-6 to PD-39, and variance for Historic Resources for Building Height). Adoption of a PD zoning district would reclassify the Project site from CD-6 to PD-39, while simultaneously establishing applicable land use regulations and development standards that are specific to the newly established zoning district. The regulations and standards that dictate permitted and conditionally permitted land uses and development would be prescribed in the accompanying PD Plan. This ensures the Project or Project with Building A Residential/Commercial is developed as intended. PD Plans are developed in consideration of existing zoning requirements that are applicable to a project site while also providing flexibility in site usage and building design. As noted previously, this change in zoning would be specific to the Project site. Also, development of the Project site using a PD Plan is not precedent setting because it is an existing, accepted part of the Pasadena Zoning Code.

No changes to any of the City's building safety standards (i.e., building, grading, plumbing, mechanical, electrical, fire codes) are proposed or required to implement this Project. Mitigation measures have been identified in Sections 3.1 through 3.11 to require that Project implementation complies with all applicable federal, State, regional, and City standards and ordinances to ensure that there are no conflicts with applicable land development regulations and that environmental impacts are minimized. Finally, creation of commercial, medical, assisted living, and/or residential facilities is not unique, such that its implementation would set a precedent, facilitating other activities and resulting in significant impacts to the environment.

While the Project may induce development or redevelopment at parcels within the Project area, the potential for reuse of unutilized commercial structures and the (re)development of lands in the surrounding area are subject to property owner discretion and often largely influenced by regional economic conditions and market demands that may have limited or major links to the Project. Site improvements may make adjacent areas more attractive to investors and promote redevelopment. These future projects would require independent environmental review under CEQA. Therefore, the impacts of subsequent proposals would require environmental analysis and associated mitigation to avoid or minimize their potential subsequent impacts.

5.3 **REFERENCES**

California Department of Finance (DOF). 2021 (May). *E-5 Population and Housing Estimates for Cities, Counties, and the State, January 2011-2021, with 2010 Benchmark*. Sacramento, CA: DOF. E-5 Population and Housing Estimates for Cities, Counties, and the State, 2011-2021 with 2010 Census Benchmark (ca.gov).

Pasadena, City of. 2021 (November 3, last updated). *Development Cap Tracking Worksheet-Summary*. Pasadena, City of. GP DEV CAP WORKSHEET Oct2021.xlsx (cityofpasadena.net)<https://www.cityofpasadena.net/wp-content/uploads/sites/30/Land-Use-Element-2016-01-25.pdf?v=1626398951978>.

SECTION 6.0 DOCUMENT PREPARERS AND CONTRIBUTORS

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 Deputy Director Jennifer Paige
 Senior PlannerJason Van Patten
 Planning Manager Luis Rocha
 Environmental Coordinator/Contract Planner John Bellas

6.2 CITY OF PASADENA DEPARTMENT OF TRANSPORTATION

6.3 CONSULTANTS

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 Senior Archaeologist.....Robbie Thomas

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NOTICE OF PREPARATION ENVIRONMENTAL IMPACT REPORT AND SCOPING MEETINGS

TO: Agencies, Organizations, and Interested Parties

SUBJECT: Notice of Preparation of a Draft Environmental Impact Report in Compliance with Title 14, Section 15082(a) of the California Code of Regulations

The City of Pasadena is the lead agency under the California Environmental Quality Act (CEQA) in the preparation of the Environmental Impact Report (EIR) for the project identified below.

AGENCIES: The City requests your agency's views on the scope and content of the environmental information relevant to your agency's statutory responsibilities in connection with the proposed project, in accordance with California Code of Regulations, Title 14, Section 15082(b).

ORGANIZATIONS AND INTERESTED PARTIES: The City requests your comments and concerns regarding the environmental issues associated with construction and operation of the proposed project.

PROJECT TITLE: Affinity Project

PROJECT LOCATION: The Project site consists of an approximately 3.3-acre site located between 465 and 577 South Arroyo Parkway, City of Pasadena, within the County of Los Angeles. The site encompasses five parcels developed with a total of nine commercial buildings with seven businesses. The site is bound by East Bellevue Drive on the north, South Arroyo Parkway on the east, East California Boulevard on the south, and the Metro Gold Line on the west. Regional access to the site is provided by State Route (SR) 110 located approximately 0.6-mile due south on Arroyo Parkway (see Exhibit 1, Regional Location and Local Vicinity).

PROJECT DESCRIPTION: The Project Applicant requests approval to rezone the Project site from CD-6 (Central District Specific Plan [CDSP], Arroyo Corridor/Fair Oaks subdistrict), to a Planned Development (PD) zone, and approval of a PD Plan. The Project involves demolition of six (of the nine) existing buildings totaling 45,912 square feet (sf), located at 491, 495, 499, 503, 541, and 577 South Arroyo Parkway and construction of two new buildings: (1) a 154,000-square foot (sf), 7-story (aboveground) medical office building with ground-floor commercial uses (Building A); and (2) a 184,376-sf, 7-story (aboveground) assisted living building with 85,800 sf of assisted living uses and 98,576 sf of independent living uses including up to 95 one- and two-bedroom senior housing units (Building B). As proposed, there would be five subterranean levels providing up to 850 parking spaces. Approximately 31,605 sf of open space, including public and private (for solely resident and staff use) space would be provided across the Project site.

Alternatively, the proposed PD Plan would provide the flexibility to exchange the uses in Building A from medical office and ground floor commercial for the following:

- 3,000 sf of commercial and a sales/leasing management office on the ground floor;
- Up to 197 residential dwelling units; and
- Up to 650 parking spaces in four subterranean levels (one less than the Project as proposed).

Although the Project described is anticipated to reflect the Project to be constructed, the flexibility to exchange uses in Building A would enable the Project to respond to the economic needs and demands of the City at the time of Project implementation. The proposed site layout and the aboveground height, mass, and other parameters of the Building A design would remain the same. The PD Plan would define all aspects of site design and provide caps on the types and amounts of allowable land uses, regardless of whether Building A is developed with medical office or residential dwelling units. It is noted that based on the development cap of 87 dwelling units per acre (du/acre), a total of 289 units could be constructed. Therefore, if a total of 197 units were constructed in Building A, only 92 independent living units could be constructed in Building B. Conversely, if 95 independent living units were constructed in Building B, only 194 units could be constructed in Building A. Exhibit 2, Affinity Project Site Plan, illustrates a plan view layout of the proposed Project.

A total of approximately 79,553 sf of the existing development on site would be retained and integrated into the Project, including the Whole Foods grocery store and associated 275-space subterranean parking structure at 465 South Arroyo Parkway and the two historic structures at 501 and 523 South Arroyo Parkway. The Applicant anticipates that restaurant uses would occupy the approximately 5,882 sf of space in the existing buildings to be retained at 501 and 523 South Arroyo Parkway.

A total of five levels of subterranean parking spanning both proposed buildings would also be constructed to serve the new development as well as the existing structures at 501 and 523 Arroyo Parkway under the Project. For the Project with Building A Residential/Commercial, a total of four levels of subterranean parking spanning both proposed buildings with up to 650 parking spaces would be constructed. The Project uses south of Whole Foods Market would have three ingress/egress points—one on California

Boulevard and two on South Arroyo Parkway. Whole Foods Market would retain the entrance on East Bellevue Drive and the exit onto South Arroyo Parkway.

The Project would result in the removal of 23 non-protected non-native trees on the Project site and 2 protected, non-native street trees. The Project would include a total of 25 trees in above-grade planters within the site. The 15 remaining street trees on site, which are protected by the City of Pasadena's City Trees and Tree Protection Ordinance, would be preserved in place.

The Project site is situated within the Central District Specific Plan and zoned CD-6 (Central District Specific Plan, Arroyo Corridor/Fair Oaks subdistrict). The *City of Pasadena General Plan* land use designation is High Mixed Use. As mentioned, the Applicant seeks approval to rezone the site as a PD district. The Applicant is also requesting a zoning variance for historic resources related to building height. Specifically, the Applicant is requesting an increase in allowable building height to offset the reduction in developable area due to preserving the two historic structures on the Project site.

The Project is anticipated to be constructed beginning in 2023 over a period of approximately 34 months. Project construction would occur from Monday through Saturday, without activity on Sundays or holidays, between the hours defined in Section 9.36.070 (Construction Projects) of the City of Pasadena Municipal Code (PMC) (7:00 AM to 7:00 PM Monday through Friday and 8:00 AM to 5:00 PM on Saturday). The Project is anticipated to be opened to the public in 2026.

POTENTIAL ENVIRONMENTAL EFFECTS: An EIR will be prepared to evaluate the Project's potential impacts on the environment and analyze alternatives. Based on the analysis in the IS, the topics anticipated to be discussed in the EIR include: Air Quality, Cultural and Paleontological Resources, Energy, Greenhouse Gas Emissions, Hazards and Hazardous Materials, Land Use and Planning, Noise, Public Services, Recreation, Transportation, Tribal Cultural Resources, and Utilities and Service Systems.

PUBLIC REVIEW PERIOD: The Notice of Preparation (NOP) and Initial Study will be available for public review and comment pursuant to California Code of Regulations, Title 14, Section 15082(b), beginning on August 5, 2021 and ending on September 3, 2021.

RESPONSES AND COMMENTS: The City requests the public's careful review and consideration of this notice, and it invites any and all input and comments from interested agencies and persons regarding the preparation of the EIR. Please indicate a contact person for your agency or organization and send your responses and comments to: Jason Van Patten, Senior Planner; Phone: (626) 744-6760; E-mail: jvanpatten@cityofpasadena.net; Mailing Address: City of Pasadena, Planning and Community Development Department, 175 North Garfield Avenue, Pasadena, CA 91101.

SCOPING MEETING: Two scoping meetings will be held for the Project, as detailed below. The first scoping meeting will be held with the Planning Commission to receive comments on the proposed Affinity Project Initial Study and contents of the proposed EIR. A second scoping meeting will also be held. You are welcome to attend either scoping meeting and present environmental information that you believe should be addressed in the EIR. The scoping meetings will be held as allowed by applicable health orders because of the COVID-19 pandemic; based on the current pandemic conditions, the two scoping meetings are scheduled as follows in a fully virtual format:

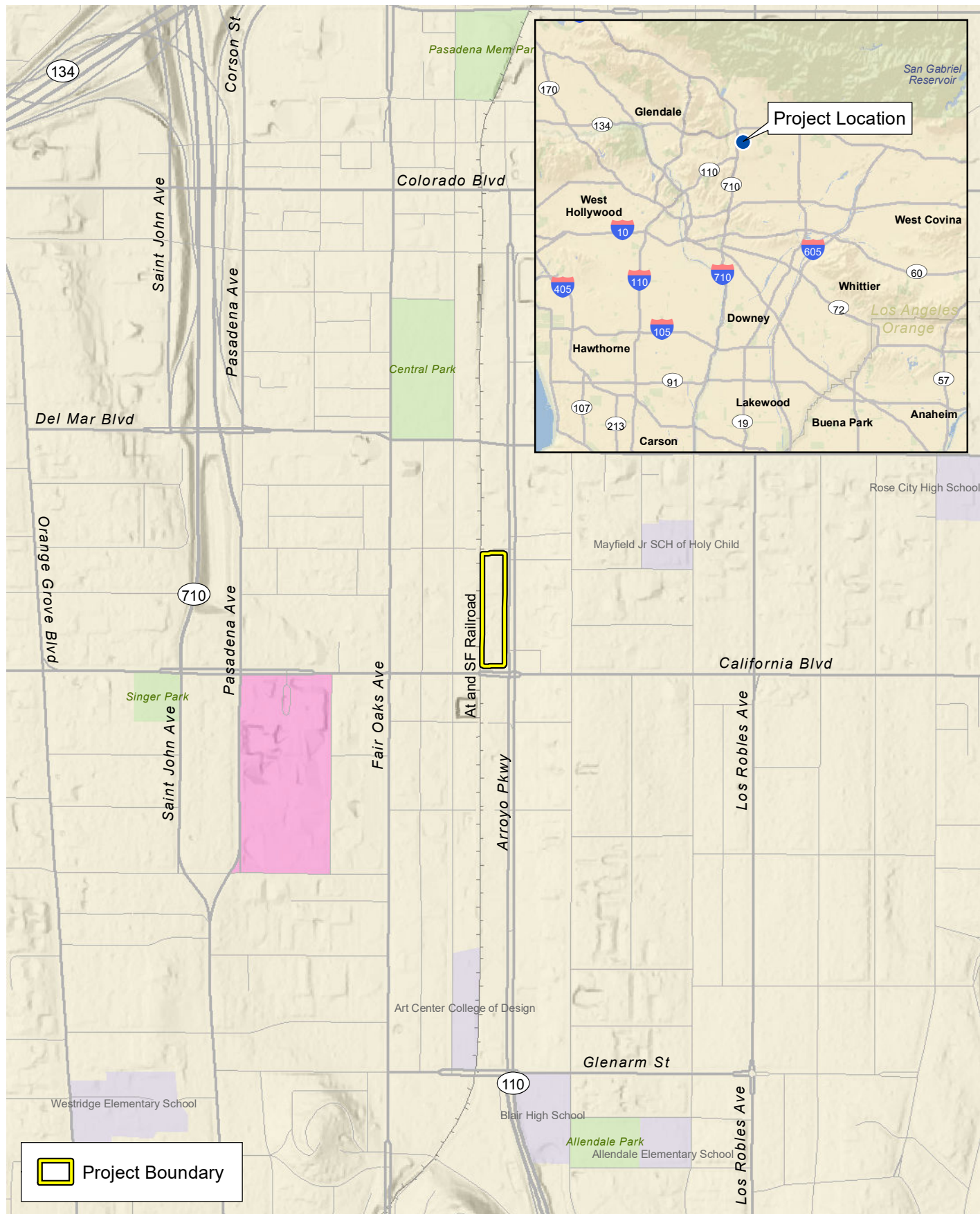
Scoping Meeting #1 (Planning Commission)
Date: August 11, 2021
Time: 6:30 P.M.

Scoping Meeting #2
Date: August 26, 2021
Time: 6:30 P.M.

Please refer to <https://www.cityofpasadena.net/planning/planned-development-39-affinity-project/> for Zoom links to participate in each scoping meeting.

DOCUMENT AVAILABILITY: The NOP and Initial Study are available online at <https://www.cityofpasadena.net/planning/planned-development-39-affinity-project/>. If eventually allowed by health orders during the COVID-19 pandemic, the documents may be made available during regular business hours (8:00 A.M. through 5:00 P.M. Mondays, Tuesdays, Thursdays; 9:30 A.M. through 5:00 P.M. Wednesdays; 8:00 A.M. through 3:30 P.M. alternate Fridays as of July 19, 2021) at the City of Pasadena, Permit Center, 175 N. Garfield Avenue, Pasadena, CA, 91101.

If you require additional information, please contact Jason Van Patten at (626) 744-6760 or submit questions and comments by email at jvanpatten@cityofpasadena.net.



Regional Location and Local Vicinity

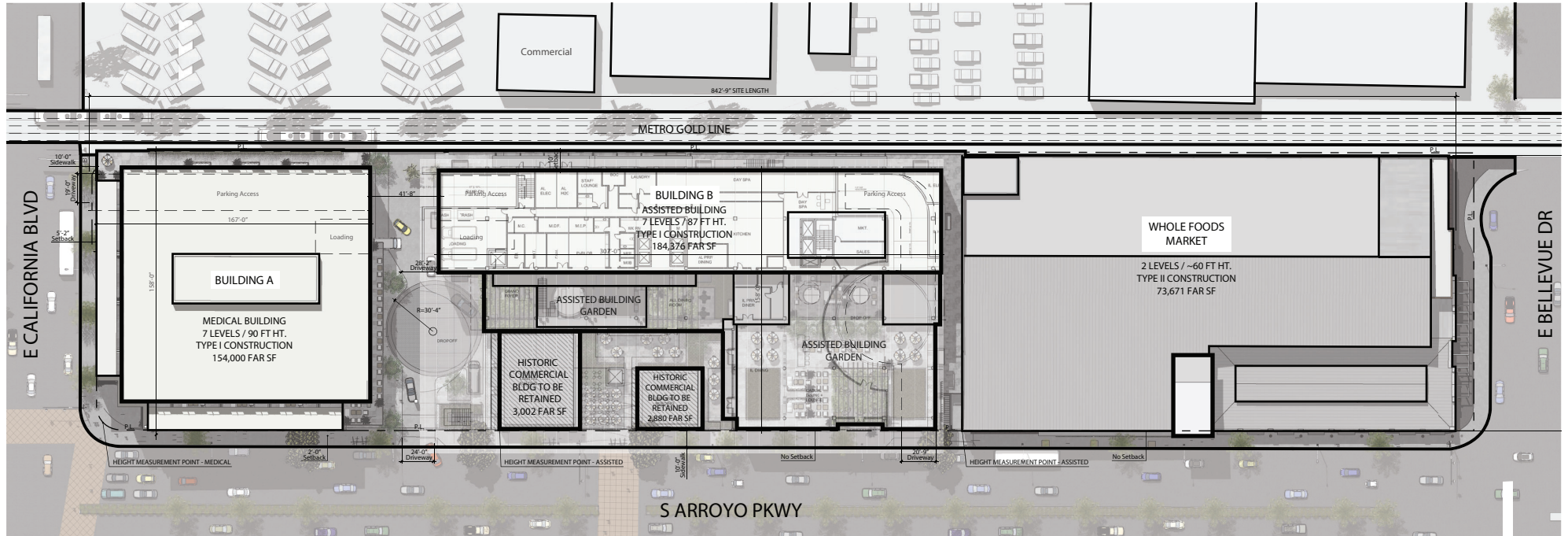
Exhibit 1

Affinity Project



1,000 500 0 1,000 Feet





Source: Adept 2021

Project Site Plan

Affinity Project



Map not to scale

Exhibit 2



Initial Study

Affinity Project City of Pasadena, California

Prepared for	City of Pasadena Planning and Community Development Department 175 North Garfield Pasadena, California 91101
--------------	---

Prepared by	Psomas 225 South Lake Avenue, Suite 1000 Pasadena, California 91101 T: 626.351.2000
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August 2021

TABLE OF CONTENTS

<u>Section</u>	<u>Page</u>
Section 1.0 Project Information.....	1-1
Section 2.0 Environmental Checklist Form.....	2-1
2.1 Aesthetics	2-1
2.2 Agriculture and Forestry Resources	2-3
2.3 Air Quality	2-6
2.4 Biological Resources	2-9
2.5 Cultural Resources	2-15
2.6 Energy	2-17
2.7 Geology and Soils.....	2-18
2.8 Greenhouse Gas Emissions	2-26
2.9 Hazards and Hazardous Materials	2-27
2.10 Hydrology and Water Quality.....	2-34
2.11 Land Use and Planning	2-41
2.12 Mineral Resources.....	2-43
2.13 Noise	2-45
2.14 Population and Housing.....	2-47
2.15 Public Services	2-49
2.16 Recreation	2-51
2.17 Transportation.....	2-53
2.18 Tribal Cultural Resources	2-56
2.19 Utilities and Service Systems	2-58
2.20 Wildfire.....	2-61
2.21 Earlier Analysis	2-62
2.22 Mandatory Findings of Significance.....	2-63
Section 3.0 Initial Study Reference Documents	3-1

TABLES

<u>Table</u>	<u>Page</u>
1-1 Summary of Project Data	1-3
2-1 Tree Inventory Summary.....	2-13
2-2 Pre- and Post-Development Storm Water Discharges.....	2-35

EXHIBITS

<u>Exhibit</u>	<u>Follows Page</u>
1 Regional Location and Local Vicinity	1-1
2 Existing Project Site	1-2
3 Affinity Project Site Plan.....	1-2

APPENDICES

Appendix

A	Geotechnical Investigation
B	Phase I Environmental Site Assessment
C	Hydrology/LID Study

CITY OF PASADENA
100 NORTH GARFIELD AVENUE PASADENA, CA 91101

INITIAL STUDY

In accordance with the Environmental Policy Guidelines of the City of Pasadena, this analysis, the associated “Master Application Form,” and/or Environmental Assessment Form and supporting data constitute the Initial Study (IS) pursuant to the California Environmental Quality Act (CEQA) for the proposed Affinity Project (hereinafter referred to as the “Project”). This IS provides the assessment for a determination whether the Project may have a significant effect on the environment.

SECTION 1.0 PROJECT INFORMATION

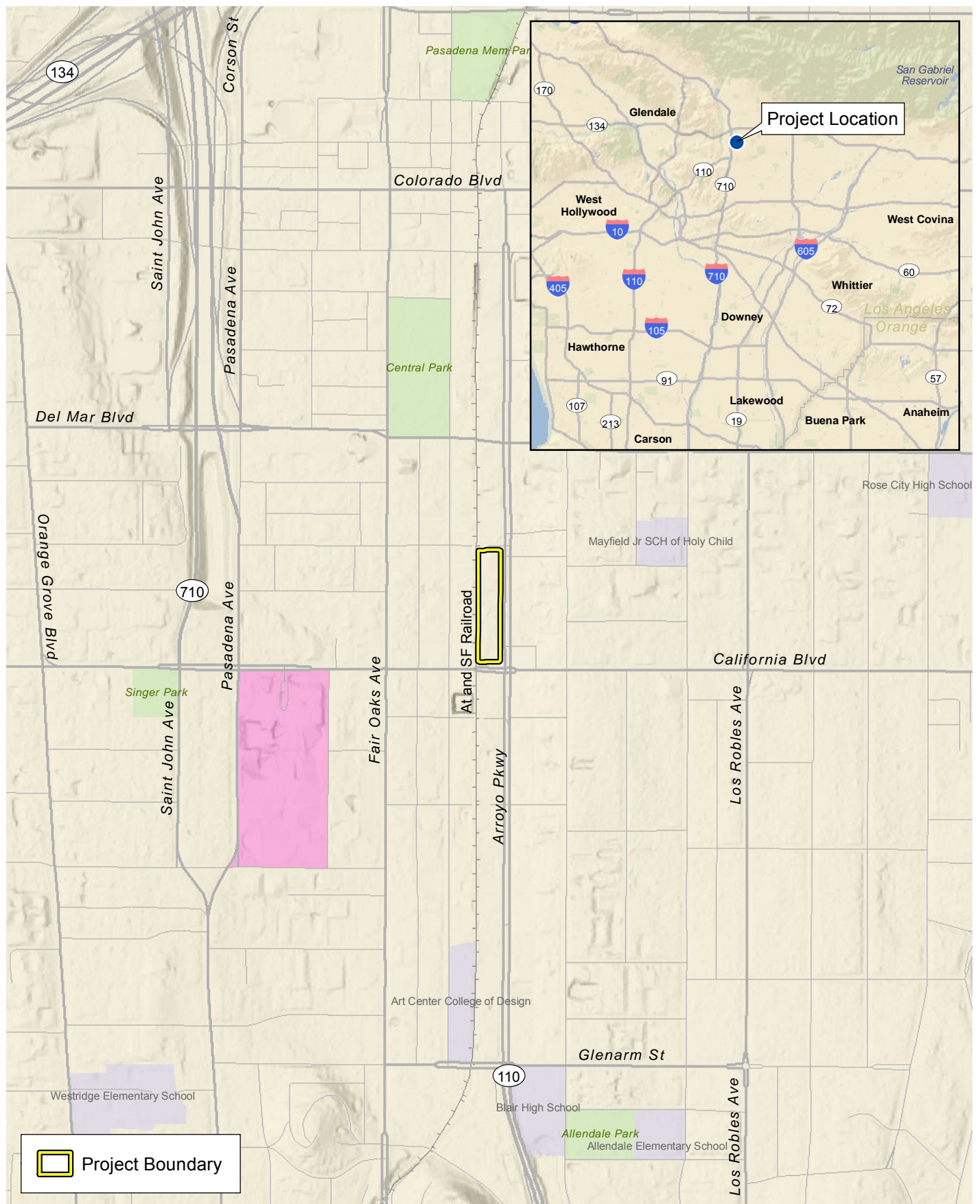
- | | |
|---|--|
| 1. Project Title: | Affinity Project |
| 2. Lead Agency Name and Address: | City of Pasadena
Planning and Community Development Department
175 North Garfield Avenue
Pasadena, California 91101 |
| 3. Contact Person and Phone Number: | Jason Van Patten, Senior Planner
626.744.6760 |
| 4. Project Location: | 465–577 South Arroyo Parkway
Pasadena, California 91105
(See Exhibit 1) |
| 5. Project Sponsor’s Name and Address: | The Arroyo Parkway, LLC
716 Mission Street
South Pasadena, California 91030 |
| 6. General Plan Designation: | High Mixed-Use |
| 7. Zoning: | CD-6 (Central District, Arroyo Corridor/Fair Oaks Sub-District) |
| 8. Description of the Project: | |


The Affinity Project (Project) proposes partial redevelopment of an approximate 3.3-acre site encompassing nine commercial buildings on five parcels located between 465 and 577 South Arroyo Parkway with medical office, commercial, and assisted living facilities. Exhibit 1, Regional Location and Local Vicinity, illustrates the Project site location. The discussion below provides further details of the Project.

Project Components

The Project Applicant requests approval to rezone the Project site from CD-6 (Central District Specific Plan [CDSP], Arroyo Corridor/Fair Oaks subdistrict), to a Planned Development (PD) zone, and approval of a PD Plan. The Project involves demolition of six (of the nine) existing buildings totaling 45,912 square feet (sf), located at 491, 495, 499, 503, 541, and 577 South Arroyo Parkway and construction of two new buildings: (1) a 154,000-square foot (sf), 7-story (aboveground) medical office building with ground-floor commercial uses (Building A); and (2) a 184,376-sf, 7-story (aboveground) assisted living building with 85,800 sf of assisted living uses and 98,576 sf of independent living uses including up to 95 one- and two-bedroom senior housing units (Building B). As proposed, there would be five subterranean levels providing up to 850 parking spaces. Approximately 31,605 sf of open space, including public and private (for solely resident and staff use) space would be provided across the Project site.

D:\Projects\3PAS012100\MXD\IS\ex.LV.RL.20210720.mxd



 Project Boundary

Regional Location and Local Vicinity

Affinity Project



1,000 500 0 1,000
Feet

Exhibit 1



(Rev: 07/20/2021 MMD) R:\Projects\PAS-Pasaden\3PAS012100\Graphics\IS\ex.LV.RL.pdf

Alternatively, the proposed PD Plan would provide the flexibility to exchange the uses in Building A from medical office and ground floor commercial for the following:

- 3,000 sf of commercial and a sales/leasing management office on the ground floor;
- Up to 197 residential dwelling units¹; and
- Up to 650 parking spaces in four subterranean levels (one less than the Project as proposed).

Although the Project initially described is anticipated to reflect the Project to be constructed, the flexibility to exchange uses in Building A would enable the Project to respond to the economic needs and demands of the City at the time of Project implementation. The proposed site layout and the aboveground height, mass, and other parameters of the Building A design would remain the same. The PD Plan would define all aspects of site design and provide caps on the types and amounts of allowable land uses, regardless of whether Building A is developed with medical office or residential dwelling units. It is noted that based on the development cap of 87 dwelling units per acre (du/acre), a total of 289 units could be constructed. Therefore, if a total of 197 units were constructed in Building A, only 92 independent living units could be constructed in Building B. Conversely, if 95 independent living units were constructed in Building B, only 194 units could be constructed in Building A.

Throughout the CEQA documentation, these two development scenarios will be referred to as:

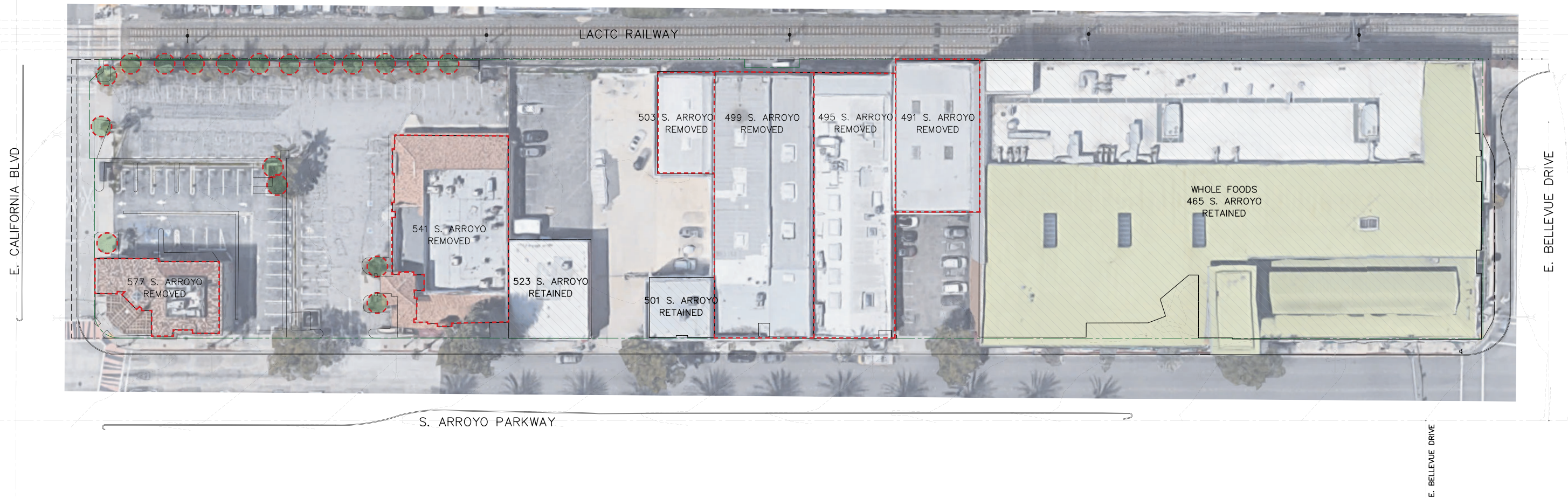
- Project (development of Building A with medical office/commercial) and
- Project with Building A Residential/Commercial (development of Building A with residential/commercial).

Table 1-1, Summary of Project Data, on the following page summarizes the existing and proposed uses for the Project. Exhibit 2, Existing Project Site, illustrates the addresses and locations of the nine existing buildings and other on-site uses; and Exhibit 3, Affinity Project Site Plan, provides an overview of the proposed uses.

Approximately 79,553 sf of existing development would be retained and integrated into the Project. This includes the Whole Foods Market and associated 275-space subterranean parking structure at 465 South Arroyo Parkway, and the two historic structures at 501 and 523 South Arroyo Parkway. The Applicant anticipates that restaurant uses would occupy approximately 5,882 sf of space in the existing historic buildings to be retained at 501 and 523 South Arroyo Parkway.

A total of five levels of subterranean parking spanning both proposed buildings with up to 850 parking spaces would be constructed to serve the new development as well as the existing structures at 501 and 523 South Arroyo Parkway under the Project scenario. When including the new subterranean parking, the Project would consist of approximately 753,439 sf of new construction. For the Project with Building A Residential/Commercial, a total of four levels of subterranean parking spanning both proposed buildings with up to 650 parking spaces would be constructed to serve the new development as well as the existing structures at 501 and 523 South Arroyo Parkway. For both scenarios, the land uses south of Whole Foods Market would have three ingress/egress points—one on California Boulevard and two on South Arroyo Parkway. Whole Foods Market would retain the entrance on Bellevue Drive and the exit onto South Arroyo Parkway.

¹ Anticipated to be market-rate condominiums or apartments of various sizes



Existing Project Site

Affinity Project



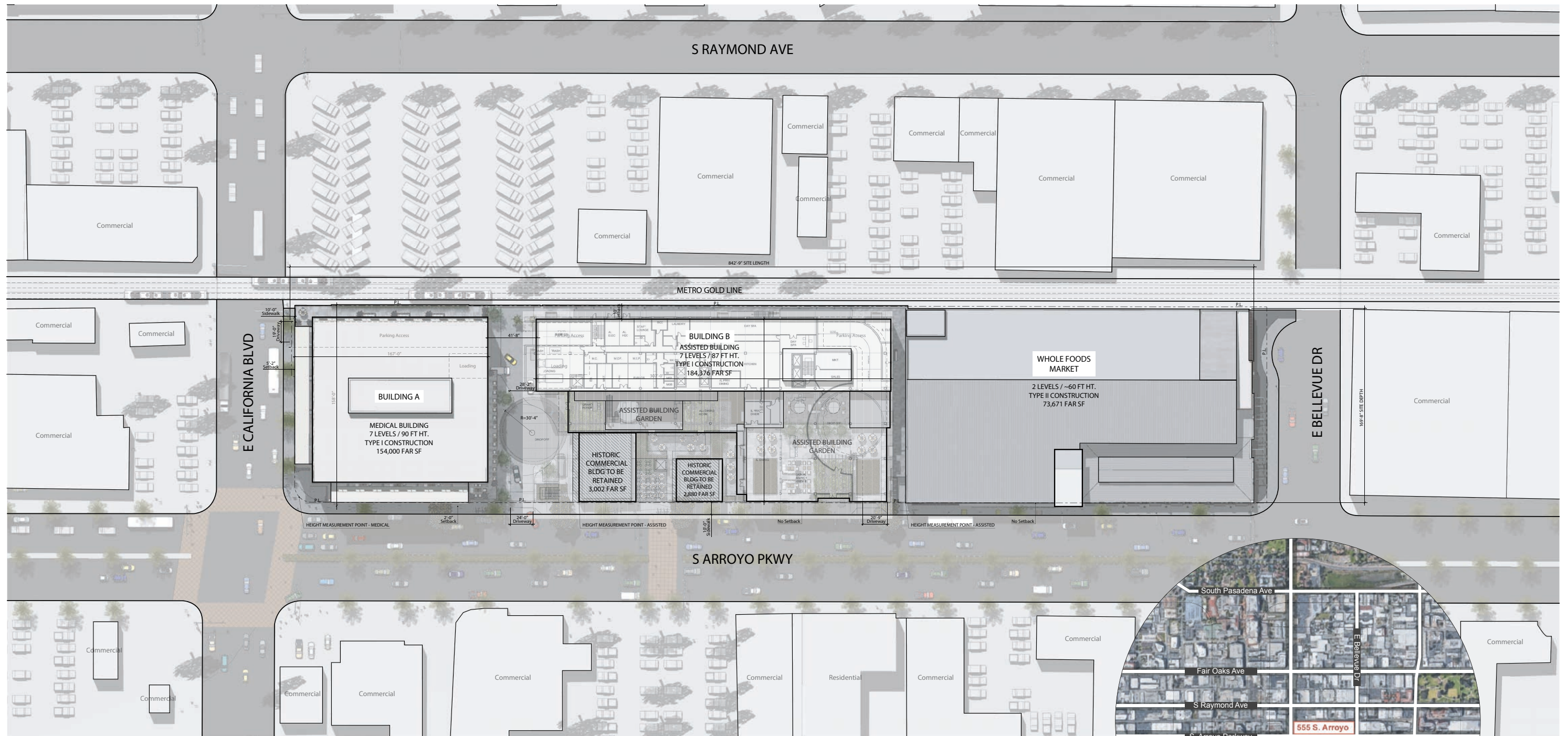
Map not to scale

Source: Adept 2021

Exhibit 2



(07/20/2021 MMD) R:\Projects\PAS\Pasaden\3PAS012100\Graphics\IS\ex\existing_project_site.pdf



Project Site Plan

Affinity Project



Map not to scale

Source: Adept 2021

Exhibit 3



**TABLE 1-1
SUMMARY OF PROJECT DATA**

Existing Buildings to Remain		
Address	Use	Floor Area (Gross sf)
465 South Arroyo Parkway	Whole Foods Market	73,671 sf
501 South Arroyo Parkway (historic)	Gold Line Pilates	2,880 sf
523 South Arroyo Parkway (historic)	Town & Country Event Rentals	3,002 sf
Total Square Footage		79,553 sf
Parking (Whole Foods Structure)		275 spaces / 2 loading spaces
Project Development		
	Floor Area (Gross sf)	
	Medical Office Building (A)	Assisted Living Facility (B)
Basement/Subterranean Levels	415,063	
Ground	14,635	25,377
2 nd	23,028	31,269
3 rd	26,671	29,107
4 th	26,671	29,107
5 th	26,671	29,107
6 th	21,162	21,299
7 th	21,162	19,110
Total Gross Square Footage	154,000 (Aboveground)	184,376 (Aboveground)
	753,439 (Including five subterranean levels spanning both buildings)	
Parking	Up to 850 spaces	
Total Aboveground Built Area (Existing + Proposed)	417,929	
Building Outline/Site Coverage	99,224 sf / 68 percent	
Proposed FAR	2.89	
Open Space	8,676	22,929
Project with Building A Residential/Commercial Development		
	Floor Area (Gross sf)	
	Residential/Commercial Building (A)	Assisted Living Facility (B)
Differences from Project Scenario	Up to 197 dwelling units & 3,000 sf of ground-floor commercial	Same as Project
Total Square Footages	154,000 (Aboveground)	184,376 (Aboveground)
	670,427 (Including four subterranean levels spanning both buildings) ^a	
Parking	Up to 650 spaces	
Total Aboveground Built Area (Existing + Proposed)	417,929	
Building Outline/Site Coverage	99,224 sf / 68 percent	
Proposed FAR	2.89	
Open Space	8,676	22,929
^a Reflects one less subterranean parking level, all other floor area sizes are the same sf: square feet; N/A: not applicable; FAR: floor area ratio		

Construction Activities

The Project would be constructed beginning in 2023 over a period of approximately 34 months and would be completed in a single phase. Project construction would occur from Monday through Saturday, without activity on Sundays or holidays, between the hours defined in Section 9.36.070 (Construction Projects) of the City of Pasadena Municipal Code (PMC) (7:00 AM to 7:00 PM on Monday through Friday and 8:00 AM to 5:00 PM on Saturday).

Construction would involve demolition, site preparation, excavation and grading, and building construction phases that would involve varying amounts and types of waste streams requiring export. Demolition of the six existing buildings and other on-site improvements, such as paving, light fixtures, and signage, would generate an estimated 4,200 cubic yards (cy) of debris; and excavation to accommodate the subterranean parking structure would generate up to an estimated 184,013 cy of soil for the Project with five levels of subterranean parking. Chapter 8.62 (Waste Management Plan for Certain Construction and Demolition Projects within the City of Pasadena) et. seq. of the PMC is the City's construction and demolition waste management ordinance (C&D ordinance), which requires at least 75 percent of the construction waste stream to be diverted from landfill disposal. Construction and demolition debris, after diversion, would be disposed at Scholl Canyon Landfill, located approximately 2.5 miles northwest of the site, at 3001 Scholl Canyon Road in Glendale. Construction and demolition debris being diverted from landfill disposal may be directed to many different facilities in the region that reuse or recycle this type of material.

Project Operation

The Project is anticipated to be opened to the public in 2026. The medical office building would operate with hours typical of the land use—generally between 8:00 AM and 6:00 PM on weekdays and between 9:00 AM and 1:00 PM on Saturdays. However, operational hours of individual tenants of the medical office building would vary and may be longer or shorter than the typical hours. The medical office uses within the medical office building are expected to result in approximately 523 visitors per day and 646 employees. The ground floor commercial uses within the medical office building are expected to result in approximately 43 visitors per day and 9 employees.

If the Project with Building A Residential/Commercial is constructed, Building A would generate up to 493 residents associated with up to 197 units². As with the Project, the commercial uses on the ground floor of the medical office building are expected to result in approximately 43 visitors per day and 9 employees.

The assisted living building (Building B) would also operate with hours typical of the land use. The assisted living uses are generally operational 24 hours per day with visitation hours anticipated to be daily (Monday through Sunday) between 8:00 AM and 6:00 PM. The assisted living building is expected to result in up to approximately 66 employees, 113 persons cared for, and 109 residents associated with the up to 95 independent living units.

Discretionary Actions by the City

Implementation of the Project would require the following discretionary approvals by the City of Pasadena:

- Adoption of the Planned Development (PD) Zoning District and PD Plan (this includes approval of the Affinity Project and rezoning of the property from CD-6 to PD-39);
- Certification of the Affinity Project Environmental Impact Report;
- Variance for Historic Resources for Building Height;

² Based on a rate of 2.5 persons per household derived from the Southern California Association of Governments (SCAG) 2019 Profile for the City of Pasadena (SCAG 2019).

- Public Street Tree Removal Approval;
- Design Review;
- Vesting Tentative Tract Map or Tentative Tract Map Approval (only if residential units for sale); and
- Other discretionary and ministerial permits and approvals that may be deemed necessary, including but not limited to: master sign plan, temporary street closure permits, encroachment permits, grading permits, excavation permits, foundation permits, and building permits (including lot tie agreement).

Probable Environmental Impacts of the Project

Based on the analysis presented in this IS, the Project would have the potential to result in significant adverse impacts related to one or more environmental checklist questions in the environmental topics listed below. The relevant checklist questions for the following topics will therefore be carried forward for additional analysis in the Draft EIR:

- | | |
|--|---------------------------------|
| • Air Quality | • Noise |
| • Cultural and Paleontological Resources | • Public Services |
| • Energy | • Recreation |
| • Greenhouse Gas Emissions | • Transportation |
| • Hazards and Hazardous Materials | • Tribal Cultural Resources |
| • Land Use and Planning | • Utilities and Service Systems |

Based on the analysis presented in this IS, the Project would result in no impacts or less than significant impacts related to the environmental checklist questions for the topics listed below. The following topics have therefore been scoped out of the Draft EIR:

- | | |
|--------------------------------------|--------------------------|
| • Aesthetics | • Mineral Resources |
| • Agriculture and Forestry Resources | • Population and Housing |
| • Biological Resources | • Wildfire |
| • Geology and Soils | |
| • Hydrology and Water Quality | |

9. Surrounding Land Uses and Setting:

As illustrated on Exhibit 1, the site is bound by East Bellevue Drive on the north, South Arroyo Parkway on the east, East California Boulevard on the south, and the Metro Gold Line (now referred to as the L Line) railroad right-of-way on the west. The Project area is an urban environment, and the site and surrounding area are fully built out with a mix of land uses. The Project site is surrounded by commercial land uses and surface parking to the north, northeast, east, and south. Other land uses to the north include medical offices; Pasadena Humane Society, located approximately 0.1 mile to the northwest; and Central Park, located approximately 0.2-mile northwest of the site. Single- and multi-family residential land uses located, at the nearest, approximately 0.2 mile to the north on Del Mar Boulevard; approximately 0.1 mile to the north-northeast on Bellevue Drive; and less than 0.1 mile to the east along Marengo Avenue. Land uses to the south include a mix of commercial, medical office, and single- and multi-family residential land uses; the latter is located along Marengo Avenue and California Boulevard to the southeast. To the west, there is a mix of commercial and non-profit (i.e., npr/KPCC and Union Station Homeless Services) uses. Further from the site, land uses include a mix of commercial, medical, light industrial, single- and multi-family residential, and public (e.g., schools, churches, parks). Regional access to the site is provided by State Route 110 located approximately 0.6-mile due south on Arroyo Parkway. Local access is provided by adjacent surface streets and Metro's Del Mar Station located approximately 0.2 mile to the north.

10. Other public agencies whose approval is required:

- Los Angeles Regional Water Quality Control Board (National Pollutant Discharge Elimination System [NPDES] permitting) and
- Los Angeles County Metropolitan Transportation Authority (for construction within 100 feet of a Metro light rail line).

11. Have California Native American tribes traditionally and culturally affiliated with the project area requested consultation pursuant to Public Resource Code Section 21080.3.1? If so, has consultation begun?

Consultation pursuant to Section 21080.3.1 of the *Public Resources Code* and Assembly Bill (AB) 52 was initiated and is ongoing with the California Native American tribes affiliated with the City of Pasadena and who have requested consultation and the consultation process is ongoing. Refer to Section 2.18, Tribal Cultural Resources, of this IS for further information.

ENVIRONMENTAL FACTORS POTENTIALLY AFFECTED:

The environmental factors checked below would be potentially affected by this project, involving at least one impact that is a "Potentially Significant Impact" as indicated by the checklist on the following pages.

- | | | |
|---|---|--|
| <input type="checkbox"/> Aesthetics | <input checked="" type="checkbox"/> Greenhouse Gas Emissions | <input checked="" type="checkbox"/> Public Services |
| <input type="checkbox"/> Agriculture and Forestry Resources | <input checked="" type="checkbox"/> Hazards and Hazardous Materials | <input checked="" type="checkbox"/> Recreation |
| <input checked="" type="checkbox"/> Air Quality | <input type="checkbox"/> Hydrology and Water Quality | <input checked="" type="checkbox"/> Transportation |
| <input type="checkbox"/> Biological Resources | <input checked="" type="checkbox"/> Land Use and Planning | <input checked="" type="checkbox"/> Tribal Cultural Resources |
| <input checked="" type="checkbox"/> Cultural Resources | <input type="checkbox"/> Mineral Resources | <input checked="" type="checkbox"/> Utilities and Service Systems |
| <input checked="" type="checkbox"/> Energy | <input checked="" type="checkbox"/> Noise | <input type="checkbox"/> Wildfire |
| <input type="checkbox"/> Geology and Soils | <input type="checkbox"/> Population and Housing | <input checked="" type="checkbox"/> Mandatory Findings of Significance |

DETERMINATION: (to be completed by the Lead Agency)

On the basis of this initial evaluation:

I find that the proposed project COULD NOT have a significant effect on the environment, and a NEGATIVE DECLARATION will be prepared.	
I find that, although the proposed project could have a significant effect on the environment, there will not be a significant effect in this case because the mitigation measures described on an attached sheet have been added to the project. A MITIGATED NEGATIVE DECLARATION will be prepared.	
I find that the proposed project MAY have a significant effect on the environment, and an ENVIRONMENTAL IMPACT REPORT is required.	X
I find that the proposed project MAY have a "potentially significant impact" or "potentially significant unless mitigated" impact on the environment., but at least effect 1) has been adequately analyzed in an earlier document pursuant to applicable legal standards , and 2) has been addressed by mitigation measures based on the earlier analysis as described on attached sheets. An ENVIRONMENTAL IMPACT REPORT is required, but it must analyze only the effects that remain to be addressed.	
I find that although the proposed project could have a significant effect on the environment, because all potentially significant effects (a) have been analyzed adequately in an earlier EIR or NEGATIVE DECLARATION pursuant to applicable standards, and (b) have been avoided or mitigated pursuant to that earlier EIR or NEGATIVE DECLARATION, including revisions or mitigation measures that are imposed upon the proposed project, nothing further is required.	

Prepared By

Date

Reviewed By

Date

Printed Name

Printed Name

EVALUATION OF ENVIRONMENTAL IMPACTS:

- 1) A brief explanation is required for all answers except “No Impact” answers that are adequately supported by the information sources a lead agency cites in the parentheses following each question. A “No Impact” answer is adequately supported if the referenced information sources show that the impact simply does not apply to projects like the one involved (e.g., the project falls outside a fault rupture zone). A “No Impact” answer should be explained where it is based on project-specific factors as well as general standards (e.g., the project will not expose sensitive receptors to pollutants, based on a project-specific screening analysis).
- 2) All answers must take account of the whole action involved, including off-site as well as on-site, cumulative as well as project-level, indirect as well as direct, and construction as well as operational impacts.
- 3) Once the lead agency has determined that a particular physical impact may occur, then the checklist answers must indicate whether the impact is potentially significant, less than significant with mitigation, or less than significant. “Potentially Significant Impact” is appropriate if there is substantial evidence that an effect is significant. If there are one or more “Potentially Significant Impact” entries when the determination is made, an EIR is required.
- 4) “Negative Declaration: Less Than Significant With Mitigation Incorporated” applies where the incorporation of mitigation measures has reduced an effect from “Potentially Significant Unless Mitigation Incorporated” applies where the incorporation of mitigation measures has reduced an effect from “Potentially Significant Impact” to a “Less than Significant Impact.” The Lead Agency must describe the mitigation measures and briefly explain how they reduce the effect to a less than significant level (mitigation measures from Section 21, “Earlier Analysis,” may be cross-referenced).
- 5) Earlier analysis may be used where, pursuant to the tiering, program Environmental Impact Report (EIR), or other CEQA process, an effect has been adequately analyzed in an earlier EIR or negative declaration. See CEQA Guidelines Section 15063(c)(3)(D). Earlier analyses are discussed in Section 21 at the end of the checklist.
 - a) Earlier Analysis Used. Identify and state where they are available for review.
 - b) Impacts Adequately Addressed. Identify which effects from the above checklist were within the scope of and adequately analyzed in an earlier document pursuant to applicable legal standards, and state whether such effects were addressed by mitigation measures based on the earlier analysis.
 - c) Mitigation Measures. For effects that are “less than Significant with Mitigation Measures Incorporated,” describe the mitigation measures which were incorporated or refined from the earlier documents and the extent to which address site-specific conditions for the project.
- 6) Lead agencies are encouraged to incorporate into the checklist references to information sources for potential impacts (e.g., general plans, zoning ordinances). Reference to a previously prepared or outside document should, where appropriate, include a reference to the page or pages where the statement is substantiated.
- 7) Supporting Information Sources: A source list should be attached, and other sources used or individuals contacted should be cited in the discussion.
- 8) The explanation of each issue should identify:
 - a) The significance criteria or threshold, if any, used to evaluate each question; and
 - b) The mitigation measure identified, if any, to reduce the impact to less than significant.

SECTION 2.0 ENVIRONMENTAL CHECKLIST FORM**2.1 AESTHETICS**

	Potentially Significant Impact	Less than Significant with Mitigation	Less than Significant Impact	No Impact
Would the project:				
a) Have a substantial adverse effect on a scenic vista?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c) In non-urbanized areas, substantially degrade the existing visual character or quality of public views of the site and its surroundings? (Public views are those that are experienced from publicly accessible vantage point). If the project is in an urbanized area, conflict with applicable zoning and other regulations governing scenic quality?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d) Create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

WHY?**Project**

Pursuant the Senate Bill (SB) 743, the Project site is an infill project and is located within a transit priority area. SB 743, via Section 21099(d) of the Public Resources Code, defines criteria for evaluating certain transit-oriented infill projects under CEQA, as follows:

“Aesthetic and parking impacts of a residential, mixed-use residential, or employment center project on an infill site within a transit priority area shall not be considered significant impacts on the environment.”

As discussed in Section 1.0, the Project site is zoned CD-6, which is defined in Section 17.30.020 of the PMC as “...intended to provide for a broad mix of uses at the periphery of the urban core, including employment generating uses that are adaptable to changing economic conditions, as well as to establish Arroyo Parkway as a visually important and attractive gateway to Downtown”. Pursuant to the CDSP, employment-generating uses including commercial, service, office, and certain industrial uses are permitted or conditionally permitted in the CD-6 zone. High-Quality Transit Areas (HQTAs) are areas within one-half mile of a fixed guideway transit stop or a bus transit corridor where buses pick up passengers at a frequency of every 15 minutes or less during peak commuting hours. Transit Priority Areas (TPAs) are areas within one-half mile of a major transit stop that is existing or planned (SCAG 2020). The floor area ratio (FAR) for the Project would be 2.89 (refer to Table 1-1), and SCAG has identified the site as within both a TPA and a HQTA. Specifically, the Metro’s Fillmore Station is located approximately 0.15 mile to the south of the site and the Del Mar Station is located approximately 0.2 mile to the north. Arroyo Parkway along the east side of the Project site is a Metro bus corridor for lines 177 and 256, with bus stops situated at the northeast and southwest corners of the site.

Accordingly, the City has concluded the Project qualifies as an employment center project, which is defined in Section of the Public Resources Code as "... a project located on property zoned for commercial uses with a floor area ratio of no less than 0.75 and that is located within a transit priority area" as well as a mixed-use project. Therefore, consistent with Section 21099(d) of the Public Resources Code, the aesthetic effects of the Project are not considered significant environmental impacts, and this issue will not be further evaluated in the Draft EIR.

Project with Building A Residential/Commercial

If the Project with Building A Residential/Commercial is constructed, the development would qualify as both a residential and mixed-use project pursuant to SB 743. Therefore, consistent with Section 21099(d) of the Public Resources Code discussed above, the aesthetic effects of the Project with Building A Residential/Commercial are not considered significant environmental impacts, and this issue will not be further evaluated in the Draft EIR.

2.2 AGRICULTURE AND FORESTRY RESOURCES

In determining whether impacts to agricultural resources are significant environmental effects, lead agencies may refer to the California Agricultural Land Evaluation and Site Assessment Model (1997) prepared by the California Department of Conservation as an optional model to use in assessing impacts on agriculture and farmland. In determining whether impacts to forest resources, including timberland, are significant environmental effects, lead agencies may refer to information compiled by the California Department of Forestry and Fire Protection regarding the state's inventory of forest land, including the Forest and Range Assessment Project and the Forest Legacy Assessment project; and forest carbon measurement methodology provided in Forest Protocols adopted by the California Air Resources Board.

Potentially Significant Impact	Less than Significant with Mitigation	Less than Significant Impact	No Impact
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Would the project:

- a) Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use?

☐
☐
☐
☒

WHY?

Project

The City is a developed urban area surrounded by hillsides to the north and northwest. The City contains no Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the most recent maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency (FMMP 2017). Therefore, the Project would not impact agriculture resources. This issue will not be further evaluated in the Draft EIR.

Project with Building A Residential/Commercial

As discussed for the Project analysis above, there is no Farmland within the City. Therefore, the Project with Building A Residential/Commercial would not impact agricultural resources. This issue will not be further evaluated in the Draft EIR.

Potentially Significant Impact	Less than Significant with Mitigation	Less than Significant Impact	No Impact
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Would the project:

- b) Conflict with existing zoning for agricultural use, or a Williamson Act contract?

☐
☐
☐
☒

WHY?

Project

The City has no land zoned for agricultural use other than commercial growing areas and land within certain specific plan areas. The Project site is zoned CD-6 (Central District Specific Plan, Arroyo Corridor/Fair Oaks

subdistrict), which is not one of the zones that permits commercial growing areas. Accordingly, there are no conflicts with agricultural zoning, and Williamson Act contracts are not applicable to the Project site. This issue will not be further evaluated in the Draft EIR.

Project with Building A Residential/Commercial

As discussed for the Project above, there is no conflict with agricultural zoning on the Project nor are there Williamson Act contracts applicable to the site. This issue will not be further evaluated in the Draft EIR.

	Potentially Significant Impact	Less than Significant with Mitigation	Less than Significant Impact	No Impact
Would the project:				
c) Conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code section 12220[g]), timberland (as defined by Public Resources Code section 4526), or timberland zoned Timberland Production (as defined by Government Code section 51104[g])?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

WHY?

Project

There is no forest land, timberland, or any Timberland Production Zones in the City; therefore, the proposed Project would not result in the loss of forest land, timberland, or Timberland Production areas. This issue will not be further evaluated in the Draft EIR.

Project with Building A Residential/Commercial

As discussed for the Project above, there is no forest land, timberland, or any Timberland Production Zones in the City. This issue will not be further evaluated in the Draft EIR.

	Potentially Significant Impact	Less than Significant with Mitigation	Less than Significant Impact	No Impact
Would the project:				
d) Result in the loss of forest land or conversion of forest land to non-forest use?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

WHY?

Project

There is no forest land in the City; therefore, the proposed Project would not result in the conversion or loss of forest land. No part of the Project site includes forest land as defined by the State, including forest land (Public Resources Code section 12220[g]), timberland (as defined by Public Resources Code section 4526), or Timberland Production (as defined by Government Code section 51104[g]). This issue will not be further evaluated in the Draft EIR.

Project with Building A Residential/Commercial

As discussed for the Project above, there is no forest land in the City. This issue will not be further evaluated in the Draft EIR.

	Potentially Significant Impact	Less than Significant with Mitigation	Less than Significant Impact	No Impact
Would the project:				
e) Involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland, to non-agricultural use or conversion of forest land to non-forest use?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

WHY?

Project

As discussed in Threshold 2.2(a), there is no designated Farmland in the City. Therefore, the proposed Project would not indirectly result in the conversion of farmland to a non-agricultural use. Likewise, as discussed in Thresholds 2.2(c) and 2.2(e), there are no forestry resources that would be converted to non-forest use by the proposed Project. This issue will not be further evaluated in the Draft EIR.

Project with Building A Residential/Commercial

As discussed for the Project above, there is no Farmland or forestry resources in the City and there would be no indirect conversion of agricultural or forestry resources. This issue will not be further evaluated in the Draft EIR.

2.3 AIR QUALITY

	Potentially Significant Impact	Less than Significant with Mitigation	Less than Significant Impact	No Impact
Where available, the significance criteria established by the applicable air quality management district or air pollution control district may be relied upon to make the following determinations. Would the project:				
a) Conflict with or obstruct implementation of the applicable air quality plan?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

WHY?

Project

The City is within the South Coast Air Basin (SCAB). On March 3, 2017, the South Coast Air Quality Management District (SCAQMD) adopted the 2016 Air Quality Management Plan (AQMP), which is a regional and multi-agency effort (SCAQMD, California Air Resources Board, Southern California Association of Governments [SCAG], and U.S. Environmental Protection Agency [USEPA]). The 2016 AQMP incorporates the latest scientific and technical information and planning assumptions, including the 2016–2040 Regional Transportation Plan/Sustainable Communities Strategy; updated emission inventory methodologies for various source categories; and SCAG's latest growth forecasts.

Short-term construction and long-term operation of the Project would result in a net increase in stationary and mobile source criteria air pollutants emissions in the SCAB compared to the existing uses on the site. Therefore, consistency with the 2016 AQMP will be further evaluated in the Draft EIR.

Project with Building A Residential/Commercial

Short-term construction and long-term operation of the Project with Building A Residential/Commercial would result in a net increase in stationary and mobile source criteria air pollutants emissions in the SCAB compared to the existing uses on the site. Therefore, consistency with the 2016 AQMP will be further evaluated in the Draft EIR.

	Potentially Significant Impact	Less than Significant with Mitigation	Less than Significant Impact	No Impact
Would the project:				
b) Result in a cumulatively considerable net increase of any criteria pollutant for which the Project region is in non-attainment under an applicable federal or state ambient air quality standard?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

WHY?

Project

The SCAB is an airshed that is designated a non-attainment area for selected criteria pollutants. As stated in Threshold 2.3(a), construction and operation of the Project would result in a net increase in air pollutants.

The Project's potential to result in a cumulatively considerable increase in those pollutants for which the SCAB is in non-attainment, when considered in combination with other development planned in the SCAB, will be further evaluated in the Draft EIR.

Project with Building A Residential/Commercial

As discussed for the Project above, the potential for the Project with Building A Residential/Commercial to result in a cumulatively considerable increase in those pollutants for which the SCAB is in non-attainment will be further evaluated in the Draft EIR.

	Potentially Significant Impact	Less than Significant with Mitigation	Less than Significant Impact	No Impact
Would the project:				
c) Expose sensitive receptors to substantial pollutant concentrations?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

WHY?

Project

Land uses surrounding the Project site are commercial, with the Metro L (Gold) Line railroad right-of-way abutting the site to the west. The nearest sensitive receptors are residential land uses located on South Marengo Avenue approximately 250 feet (ft) to the east. While it is unlikely that construction and operation of the Project would adversely affect these receptors due to distance, the potential to expose any nearby sensitive receptors to substantial pollutant concentrations will be further evaluated in the Draft EIR.

Project with Building A Residential/Commercial

As discussed for the Project above, the potential for construction and operation of the Project with Building A Residential/Commercial to expose any nearby receptors to substantial pollutant concentrations, though unlikely, will be further evaluated in the Draft EIR.

	Potentially Significant Impact	Less than Significant with Mitigation	Less than Significant Impact	No Impact
Would the project:				
d) Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

WHY?

Project

According to the SCAQMD's *CEQA Air Quality Handbook*, land uses associated with odor complaints typically include agricultural uses, wastewater treatment plants, food processing plants, chemical plants, composting, refineries, landfills, dairies, and fiberglass molding (SCAQMD 1993). The Project does not

propose to operate any of these land uses and would not otherwise be expected to produce objectionable odors.

Short-term construction equipment and activities would generate odors, such as diesel exhaust emissions from construction equipment and paving activities. However, these odors would be temporary and would dissipate rapidly from the source with an increase in distance. Therefore, the impacts would be short-term and would not be objectionable to a substantial number of people. There would be a less than significant impact, and this topic will not be further evaluated in Draft EIR.

Project with Building A Residential/Commercial

The Project with Building A Residential/Commercial does not propose any land uses identified in the SCAQMD's *Air Quality Handbook* as associated with odor complaints (SCAQMD 1993). Short-term construction activities for the Project with Building A Residential/Commercial would be nearly identical to the Project's construction activities, except for differences associated with the interior buildout of Building A. Therefore, as for the Project, odors from construction activities would be temporary and dissipate rapidly. This topic will not be further evaluated in the Draft EIR.

2.4 BIOLOGICAL RESOURCES

	Potentially Significant Impact	Less than Significant with Mitigation	Less than Significant Impact	No Impact
Would the project:				
a) Have a substantial adverse effect, either directly or through habitat modification, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Game or U.S. Fish and Wildlife Service?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

WHY?

Project

The Project site is located in an urbanized area of the City and is currently developed with several buildings, parking lots, and other disturbed/developed areas. Existing groundcovers, shrubs, and trees within the site would be removed during Project construction. Due to the urbanized and disturbed nature of the Project site, the site does not support habitat for candidate, sensitive, or special status species in local or regional plans, policies, or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service. Thus, no impact on sensitive species would occur with the Project. This issue will not be further evaluated in the Draft EIR. Tree removals are discussed further below under Threshold 2.4(e).

Project with Building A Residential/Commercial

As discussed for the Project above, the Project site is in an urbanized area and is fully developed. No impact on sensitive species would occur and this issue will not be further evaluated in the Draft EIR.

	Potentially Significant Impact	Less than Significant with Mitigation	Less than Significant Impact	No Impact
Would the project:				
b) Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations, or by the California Department of Fish and Game or U.S. Fish and Wildlife Service?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

WHY?

Project

As discussed above in Threshold 2.4(a), the Project site is in a highly urbanized area. Review of aerial photographs by qualified biologists shows that there are no natural drainage streams or open channels on the Project site. There are no riparian or other sensitive natural vegetation communities located on the site. Therefore, implementation of the Project would not result in an adverse impact to riparian habitat or other sensitive natural communities, and no impact would occur. This issue will not be further evaluated in the Draft EIR.

Project with Building A Residential/Commercial

As discussed for the Project above, the Project site is in an urbanized area, and there are no sensitive natural vegetation communities on the site. No impact on sensitive natural communities would occur and this issue will not be further evaluated in the Draft EIR.

	Potentially Significant Impact	Less than Significant with Mitigation	Less than Significant Impact	No Impact
Would the project:				
c) Have a substantial adverse effect on State or federally protected wetlands (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

WHY?**Project**

As discussed above in Threshold 2.4(a), the Project site is located in a highly urbanized area. There are no drainages, including jurisdictional waterways, located on the site, and no impact would occur. This issue will not be further evaluated in the Draft EIR.

Project with Building A Residential/Commercial

As discussed for the Project above, the Project site is in an urbanized area and there are no drainages on the site. No impact on jurisdictional waterways would occur, and this issue will not be further evaluated in the Draft EIR.

	Potentially Significant Impact	Less than Significant with Mitigation	Less than Significant Impact	No Impact
Would the project:				
d) Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

WHY?**Project**

Wildlife corridors and habitat linkages are features that promote habitat connectivity and are generally characterized as undisturbed canyon and riverine stream habitat areas. The Project site does not serve as a key wildlife movement corridor due to its disturbed and developed nature and the presence of roads, railroad tracks, and urban development around the Project site. The Project site is developed with several buildings, with the Metro L (Gold) Line tracks located adjacent and parallel to the western Project boundary. South Arroyo Parkway and California Boulevard, bordering the eastern and southern site boundaries,

respectively, are major arterials in the City. The developed and disturbed character of the Project site and major transportation corridors on three site boundaries impede wildlife movement through the Project site. As a result, the Project site supports the movement of almost exclusively local, urban-adapted wildlife, that also readily use surrounding areas.

Construction activities would create dust and noise within and adjacent to the work areas. During active construction, wildlife movement may be deterred by noise and human activity; however, most wildlife movement in the Project area would occur at night while construction activities would occur during the day. Direct and indirect impacts, such as noise pollution and human activity, are considered adverse but less than significant since the inability to use the site or immediately surrounding areas for local movement during construction activities would affect a small number of individuals representing an extremely small percentage of the overall regional populations. As a result, there would not be a substantial adverse effect on regional wildlife movement or regional wildlife populations. Therefore, the Project would not substantially affect the movement of any native resident or land-based wildlife species.

The Migratory Bird Treaty Act (MBTA) prohibits activities that result in the direct take (defined as killing or possession) of a migratory bird. Additionally, Sections 3503 and 3503.5 of the *California Fish and Game Code* make it unlawful to take, possess, or destroy the nests and eggs of birds of prey. Section 3513 of the *California Fish and Game Code* duplicates the federal protection of migratory birds and prohibits the taking and possession of any migratory non-game bird, as designated in the MBTA. To ensure that construction activities comply with the MBTA and the *California Fish and Game Code*, the City of Pasadena would apply the following condition of approval to the Project.

If construction is initiated during the breeding season for nesting birds (i.e., March 1–September 15) and nesting raptors (i.e., January 1–July 31), the Project Applicant shall perform, or direct the performance of, a pre-construction survey for nesting birds and/or raptors shall be conducted by a qualified Biologist within three days prior to any construction activities on the Project site and in the immediately surrounding area (i.e., perform survey within 300 ft for nesting birds and within 500 ft for nesting raptors). A qualified Biologist shall be knowledgeable and experienced in conducting nesting bird surveys within Southern California and in determining appropriate buffer size to prevent bird nesting failure. If the Biologist does not find any active nests in or immediately adjacent to the Project site, construction work shall be allowed to proceed and no further action is required.

If the Biologist finds an active nest in or immediately adjacent to the Project site and determines that the nest may be impacted or breeding activities substantially disrupted due to planned construction activities, the Biologist shall delineate an appropriate buffer zone around the nest depending on the sensitivity of the species and the nature of the construction activity. Any nest found during survey efforts shall be mapped on the construction plans. The active nest shall be protected until nesting activity has ended. To protect any nest site, the following restrictions to construction activities shall be required until nests are no longer active, as determined by a qualified Biologist: (1) construction limits shall be established within a buffer around any occupied nest (the buffer shall be 25–100 ft for nesting birds and 300–500 ft for nesting raptors), unless otherwise determined by a qualified Biologist and (2) access and surveying shall be restricted within the buffer of any occupied nest, unless otherwise determined by a qualified Biologist. Encroachment into the buffer area around a known nest shall only be allowed if the Biologist determines that the proposed activity would not disturb the nest occupants. Construction in a buffer area can proceed when the qualified Biologist has determined that fledglings have left the nest or the nest has failed.

If construction activities are initiated during the non-breeding season, there would be no potential impact to nesting birds and raptors. Therefore, with implementation of the Project feature described above, which would be ensured as a condition of approval, potential impacts to nesting migratory birds and raptors during

their breeding seasons due to Project construction would be less than significant, and no mitigation is required. This issue will not be further evaluated in the Draft EIR.

Project with Building A Residential/Commercial

As discussed for the Project above, the developed and disturbed character of the Project site and major transportation corridors on three site boundaries impede wildlife movement through the Project site. As a result, the Project site supports the movement of almost exclusively local, urban-adapted wildlife, that also readily use surrounding areas. Short-term construction activities for the Project with Building A Residential/Commercial would be nearly identical to those of the Project, except for differences associated with the interior buildout of Building A. Therefore, as with the Project, the Project with Building A Residential/Commercial would not substantially affect the movement of any native resident or land-based wildlife species. The same steps to ensure that construction activities comply with the MBTA and the *California Fish and Game Code* described for the Project would apply to construction of the Project with Building A Residential/Commercial. With implementation of the above described above, potential impacts to nesting migratory birds and raptors during their breeding seasons due to Project with Building A Residential/Commercial construction would be less than significant. This issue will not be further evaluated in the Draft EIR.

	Potentially Significant Impact	Less than Significant with Mitigation	Less than Significant Impact	No Impact
Would the project:				
e) Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

WHY?

Project

The only local ordinance protecting biological resources in the City of Pasadena is “City Trees and Tree Protection Ordinance” (codified in Chapter 8.52 of the PMC). This ordinance was set forth with the goal of protecting landmark, native, and specimen trees so that the tree canopy cover in the City is preserved and expanded. A *City of Pasadena Tree Inventory* (Tree Inventory) was prepared for the Project by Carlberg Associates (Carlberg Associates 2021). As summarized in Table 2-1, Tree Inventory Summary, on the following page, a total of 40 trees were inventoried on the Project site and the adjacent public right-of-way (ROW). Of these, 17 trees located in the ROW are protected under the City Ordinance. The remaining 23 trees are located within the Project site and are not protected. The proposed Project would result in the removal of 23 trees on the Project site and 2 street trees (ST32 and ST38). The remaining 15 protected streets trees in the ROW would be protected in place during construction and remain after the Project is implemented.

The Urban Forestry section of the City’s Public Works Department typically requires a fee, dependent on the size of the tree(s) being removed, to be remitted into the City’s street tree fund. For the Project, a planned condition of approval calls for planting of one new street tree along both Arroyo Parkway and California Boulevard. The Project would also include a total of 25 trees in above-grade planters within the site. With compliance with the Project’s conditions of approval, the Project would not conflict with the applicable local ordinance. There would be a less than significant impact. This issue will not be further evaluated in the Draft EIR.

**TABLE 2-1
TREE INVENTORY SUMMARY**

Tree ID	Tree Species		Protected Tree?	Disposition
	Common Name	Scientific Name		
Trees on Private Property				
1	queen palm	<i>Syagrus romanzoffiana</i>	No	Remove
2	queen palm	<i>Syagrus romanzoffiana</i>	No	Remove
3	queen palm	<i>Syagrus romanzoffiana</i>	No	Remove
4	queen palm	<i>Syagrus romanzoffiana</i>	No	Remove
5	queen palm	<i>Syagrus romanzoffiana</i>	No	Remove
6	queen palm	<i>Syagrus romanzoffiana</i>	No	Remove
7	queen palm	<i>Syagrus romanzoffiana</i>	No	Remove
8	queen palm	<i>Syagrus romanzoffiana</i>	No	Remove
9	queen palm	<i>Syagrus romanzoffiana</i>	No	Remove
10	queen palm	<i>Syagrus romanzoffiana</i>	No	Remove
11	queen palm	<i>Syagrus romanzoffiana</i>	No	Remove
12	queen palm	<i>Syagrus romanzoffiana</i>	No	Remove
13	queen palm	<i>Syagrus romanzoffiana</i>	No	Remove
14	queen palm	<i>Syagrus romanzoffiana</i>	No	Remove
15	queen palm	<i>Syagrus romanzoffiana</i>	No	Remove
16	queen palm	<i>Syagrus romanzoffiana</i>	No	Remove
17	African fern pine	<i>Afrocarpus falcatus</i>	No	Remove
18	queen palm	<i>Syagrus romanzoffiana</i>	No	Remove
19	queen palm	<i>Syagrus romanzoffiana</i>	No	Remove
20	queen palm	<i>Syagrus romanzoffiana</i>	No	Remove
21	Canary island pine	<i>Pinus canariensis</i>	No	Remove
22	Canary island pine	<i>Pinus canariensis</i>	No	Remove
23	pecan	<i>Carya illinoiensus</i>	No	Remove
Trees in Public Right-of-Way				
ST24	camphor	<i>Cinnamomum camphora</i>	Yes	Preserve and Protect
ST25	weeping fig	<i>Ficus benjamina</i>	Yes	Preserve and Protect
ST26	date palm	<i>Phoenix dactylifera</i>	Yes	Preserve and Protect
ST27	African fern pine	<i>Afrocarpus falcatus</i>	Yes	Preserve and Protect
ST28	African fern pine	<i>Afrocarpus falcatus</i>	Yes	Preserve and Protect
ST29	date palm	<i>Phoenix dactylifera</i>	Yes	Preserve and Protect
ST30	date palm	<i>Phoenix dactylifera</i>	Yes	Preserve and Protect
ST31	date palm	<i>Phoenix dactylifera</i>	Yes	Preserve and Protect
ST32	African fern pine	<i>Afrocarpus falcatus</i>	Yes	Remove
ST33	date palm	<i>Phoenix dactylifera</i>	Yes	Preserve and Protect
ST34	African fern pine	<i>Afrocarpus falcatus</i>	Yes	Preserve and Protect
ST35	African fern pine	<i>Afrocarpus falcatus</i>	Yes	Preserve and Protect
ST36	African fern pine	<i>Afrocarpus falcatus</i>	Yes	Preserve and Protect
ST37	African fern pine	<i>Afrocarpus falcatus</i>	Yes	Preserve and Protect
ST38	date palm	<i>Phoenix dactylifera</i>	Yes	Remove
ST39	African fern pine	<i>Afrocarpus falcatus</i>	Yes	Preserve and Protect
ST40	date palm	<i>Phoenix dactylifera</i>	Yes	Preserve and Protect
Source: Carlberg Associates. 2021 (February 3). <i>City of Pasadena Tree Inventory</i> , 555 South Arroyo Parkway, Pasadena, California 91105. Sierra Madre, CA: Carlberg Associates.				

Project with Building A Residential/Commercial

Construction of the Project with Building A Residential/Commercial would result in removal of the same existing trees and installation of the same proposed landscaping, including a requirement to plant two new street trees, as with the Project. Therefore, as discussed for the Project, above, the Project with Building A Residential/Commercial would not conflict with the City Trees and Tree Protection Ordinance. This issue will not be further evaluated in the Draft EIR.

	Potentially Significant Impact	Less than Significant with Mitigation	Less than Significant Impact	No Impact
Would the project:				
f) Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

WHY?

Project

The proposed Project does not conflict with any Significant Ecological Areas, Wildflower Reserve Areas, or Sensitive Environmental Resource Areas, as none exists within the Project site. Neither the Project site nor the City proper is within or adjacent to an adopted Habitat Conservation Plan or Natural Community Conservation Plan. Therefore, the Project would not conflict with any regional or State plans protecting biological resources and there would be no impact. This issue will not be further evaluated in the Draft EIR.

Project with Building A Residential/Commercial

As discussed for the Project above, there are no regional or State plans protecting biological resources within the City. Therefore, the Project with Building A Residential/Commercial would not conflict with any such plans. This issue will not be further evaluated in the Draft EIR.

2.5 CULTURAL RESOURCES

	Potentially Significant Impact	Less than Significant with Mitigation	Less than Significant Impact	No Impact
Would the project:				
a) Cause a substantial adverse change in the significance of a historical resource pursuant to Section 15064.5?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

WHY?

Project

Two of the nine existing buildings on the site, located at 501 and 523 South Arroyo Parkway, are previously recorded as historic resources. Five of the remaining buildings on the site are more than 45 years old. Therefore, a historic resources assessment will be conducted as part of the EIR to (1) evaluate the significance of the five historic-period structures and (2) determine whether the Project would indirectly impact the two known historic resources. Potential impacts to historical resources will be further evaluated in the Draft EIR.

Project with Building A Residential/Commercial

As discussed for the Project above, potential impacts to historic resources due to construction and operation of the Project with Building A Residential/Commercial will be further evaluated in the Draft EIR.

	Potentially Significant Impact	Less than Significant with Mitigation	Less than Significant Impact	No Impact
Would the project:				
b) Cause a substantial adverse change in the significance of an archaeological resource pursuant to Section 15064.5?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

WHY?

Project

The Project site is a developed area and has been previously graded and disturbed. Therefore, no surface archaeological resources are expected to be present. However, excavation into underlying native (i.e., undisturbed) soils to accommodate the subterranean parking levels has the potential to encounter unknown archaeological resources. A cultural resources study will be conducted as part of the EIR to determine whether the site has the potential to contain archaeological resources. Potential impacts to archaeological resources will be further evaluated in the Draft EIR.

Project with Building A Residential/Commercial

As discussed for the Project above, potential impacts to unknown archaeological resources due to construction and operation of the Project with Building A Residential/Commercial will be further evaluated in the Draft EIR.

	Potentially Significant Impact	Less than Significant with Mitigation	Less than Significant Impact	No Impact
Would the project:				
c) Disturb any human remains, including those interred outside of formal cemeteries?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

WHY?

Project

As discussed under Threshold 2.5(b) above, Project construction would involve excavation into native soils. Project-related earth disturbance in native soils always has the potential to unearth previously undiscovered remains, resulting in a potentially significant impact. If human remains are encountered during Project construction, those remains would require proper treatment, in accordance with applicable laws. Sections 7050.5 through 7055 of the *California Health and Safety Code* describe the general provisions for human remains. Specifically, Section 7050.5 of the *California Health and Safety Code* describes the protocols to be followed if human remains are accidentally discovered during excavation of a site. In addition, the requirements and procedures set forth in Section 5097.98 of the *California Public Resources Code* would be implemented. Specifically, if human remains are found during excavation, construction activities must stop in the vicinity of the find and in any area that is reasonably suspected to overlie adjacent remains until the County Coroner has been notified; the remains have been investigated; and appropriate recommendations have been made for the treatment and disposition of the remains. Following compliance with State regulations, which detail the appropriate actions necessary in the event human remains are encountered, potential impacts would be less than significant. This issue will not be further evaluated in the Draft EIR.

Project with Building A Residential/Commercial

As discussed for the Project above, potential impacts related to encounter of unanticipated human remains due to construction of the Project with Building A Residential/Commercial would be addressed through compliance with applicable State regulations. This issue will not be further evaluated in the Draft EIR.

2.6 ENERGY

	Potentially Significant Impact	Less than Significant with Mitigation	Less than Significant Impact	No Impact
Would the project:				
a) Result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

WHY?**Project**

The Project would result in a net increase in energy demand compared to the existing condition, and construction of the Project would require use of energy as fuel and electricity. The Project's short-term and long-term use of energy will be further evaluated in the Draft EIR.

Project with Building A Residential/Commercial

As discussed for the Project above, construction and operation of the Project with Building A Residential/Commercial would result in a net increase in energy demand. This issue will be further evaluated in the Draft EIR.

	Potentially Significant Impact	Less than Significant with Mitigation	Less than Significant Impact	No Impact
Would the project:				
b) Conflict with or obstruct a State or local plan for renewable energy or energy efficiency?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

WHY?**Project**

As discussed in Threshold 2.6(a), the Project would result in new demands for energy. The Project's consistency with applicable plans and policies related to renewable energy and/or energy efficiency will be further evaluated in the Draft EIR.

Project with Building A Residential/Commercial

As discussed for the Project above, the consistency of the Project with Building A Residential/Commercial with the applicable plans and policies related to renewable energy and/or energy efficiency will be further evaluated in the Draft EIR.

2.7 GEOLOGY AND SOILS

Information in this section is derived from the *Geotechnical Investigation, 465-577 South Arroyo Parkway, Pasadena, California* (Geotechnical Investigation) prepared by Geocon West, Inc. and dated July 2021 (Geocon 2021). The Geotechnical Investigation is provided in its entirety in Appendix A of this IS.

	Potentially Significant Impact	Less than Significant with Mitigation	Less than Significant Impact	No Impact
Would the project:				
a) Directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury, or death involving:				
i) Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault? Refer to Division of Mines and Geology Special Publication 42.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

WHY?

Project

The numerous faults in Southern California include active, potentially active, and inactive faults. The criteria for these major groups are based on criteria developed by the California Geological Survey (CGS) for the Alquist-Priolo Earthquake Fault Zone Program. An active fault is defined as one that has had surface displacement within Holocene time (about the last 11,700 years). A potentially active fault has demonstrated surface displacement during Quaternary time (approximately the last 1.6 million years) but has had no known Holocene movement. Faults that have not moved in the last 1.6 million years are considered inactive. The County of Los Angeles and the City of Pasadena are both affected by Alquist-Priolo Earthquake Fault Zones (Alquist-Priolo Zones). The Project site is not within an Alquist-Priolo Zone nor is there a known active fault traversing the site (Geocon 2021). Therefore, the surface rupture of a known fault within the Project site that would result in substantial adverse effects is not considered reasonably foreseeable. There would be no impact and no mitigation is required. This issue will not be further evaluated in the Draft EIR.

Project with Building A Residential/Commercial

As discussed for the Project above, the Project site is not within an Alquist-Priolo Zone nor is there a known active fault traversing the site (Geocon 2021). Therefore, the surface rupture of a known fault within the Project site that would result in substantial adverse effects is not considered reasonably foreseeable. There would be no impact and no mitigation is required. This issue will not be further evaluated in the Draft EIR.

	Potentially Significant Impact	Less than Significant with Mitigation	Less than Significant Impact	No Impact
Would the project:				
a) Directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury, or death involving:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
ii) Strong seismic ground shaking?				

WHY?

Project

The Project site is located in the seismically active southern California region and could be subjected to moderate to strong ground shaking in the event of an earthquake on one of the many active or potentially active faults. The closest surface trace of a potentially active fault is the Eagle Rock Fault, located approximately 0.5 mile to the southwest (Pasadena 2002b). The closest surface trace of an active fault to the site is the Raymond Fault located approximately 1.2 miles to the south. Other nearby active faults are the Sierra Madre Fault Zone, Verdugo Fault, and Hollywood Fault located approximately 4.0 miles to the northeast, 4.4 miles to the west-northwest, and 5.6 miles to the west-southwest, respectively. The active San Andreas Fault Zone is located approximately 28 miles northeast of the site (Geocon 2021, Pasadena 2002b).

Several buried thrust faults, commonly referred to as blind thrusts, underlie the Los Angeles Basin. These faults are not exposed at the ground surface and are typically identified at depths greater than 3.0 kilometers. Thrust faults are not exposed at the surface and do not present a potential surface fault rupture hazard at the site; however, these deep thrust faults are considered active features capable of generating future earthquakes that could result in moderate to significant ground shaking at the site. The Project site is underlain at depth by the Los Angeles segment of the Puente Hills Blind Thrust (Geocon 2021).

Consistent with its location in a seismically active region, the site may be subject to strong ground shaking resulting from a major earthquake on one or more faults in the area within the lifetime of the Project. Seismic ground shaking from major earthquakes in the region is not anticipated to be greater than at any other sites in Southern California. The potential for strong ground shaking is an existing seismic hazard that affects the site, and the Project would not exacerbate this condition. Based on the site-specific seismic analysis, the Geotechnical Investigation concluded that the effects of ground shaking on the Project can be minimized if the proposed structures are designed and constructed in conformance with current building codes and engineering practices. Conformance to the seismic design criteria calculated for the Project does not constitute a guarantee or assurance that substantive structural damage or ground failure would not occur if a large earthquake occurs; the primary goal of seismic design is to protect life, not to avoid all damage, since such design may be economically prohibitive. The Geotechnical Investigation concluded the Project is feasible provided the geotechnical recommendations are incorporated into its design and construction (Geocon 2021).

Earthquake-resistant design and materials used in new construction must meet the current seismic engineering standards of the California Building Code (CBC) Seismic Zone 4 requirements (incorporated by reference in the PMC), in effect at the time of design and construction of the Project. Compliance with these standards would reduce the risk to people and structures to the maximum extent practicable under current engineering practice. The Geotechnical Investigation outlines the site- and Project-specific requirements to meet CBC standards. Therefore, the Project would not directly or indirectly cause substantial adverse effects

due to strong seismic ground shaking. There would be a less than significant impact and no mitigation is required. This issue will not be further evaluated in the Draft EIR.

Project with Building A Residential/Commercial

As discussed for the Project above, consistent with its location in a seismically active region, the site may be subject to strong ground shaking resulting from a major earthquake on one or more faults in the area within the lifetime of the Project with Building A Residential/Commercial. The Geotechnical Investigation concluded the Project, and by extension the Project with Building A Residential/Commercial, is feasible provided the geotechnical recommendations are incorporated into its design and construction (Geocon 2021). As discussed above, compliance with applicable CBC requirements would reduce the risk to people and structures to the maximum extent practicable under current engineering practice. The Geotechnical Investigation outlines the site- and Project-specific requirements to meet CBC standards. Therefore, the Project with Building A Residential/Commercial would not directly or indirectly cause substantial adverse effects due to strong seismic ground shaking. There would be a less than significant impact and no mitigation is required. This issue will not be further evaluated in the Draft EIR.

	Potentially Significant Impact	Less than Significant with Mitigation	Less than Significant Impact	No Impact
Would the project:				
a) Directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury, or death involving:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
iii) Seismic-related ground failure, including liquefaction?				

WHY?

Project

Liquefaction is a phenomenon in which loose, saturated, relatively cohesionless soil deposits lose shear strength during strong ground motions. Primary factors controlling liquefaction include intensity and duration of ground motion, gradation characteristics of the subsurface soils, in-situ stress conditions, and the depth to groundwater. Liquefaction typically occurs in areas where the soils below the water table are composed of poorly consolidated, fine to medium-grained, primarily sandy soil. In addition to the requisite soil conditions, the ground acceleration and duration of the earthquake must also be of a sufficient level to induce liquefaction. The Seismic Hazard Zone Map for the Pasadena Quadrangle indicates that the site is not within an area designated as having a potential for liquefaction. Groundwater was not encountered in on-site borings drilled to a maximum depth of approximately 91 feet below ground surface (bgs). Additionally, the historic high groundwater level in the site vicinity is between approximately 50 and 100 feet bgs. Therefore, the Geotechnical Investigation concludes the potential for liquefaction to occur beneath the site is considered low (Geocon 2021).

Separate from the issue of liquefaction, the presence of groundwater or shallow, perched water or seepage can adversely affect new construction. The Geotechnical Investigation states that due to lack of groundwater encountered in on-site borings and the reported depth of historic high groundwater, groundwater is not expected to be encountered during construction or have a detrimental effect on the Project including the subterranean levels. The Geotechnical Investigation indicates that hydrostatic design of the basement level to offset potential buoyancy is not required; however, the report does suggest waterproofing of subterranean slabs and walls. The Geotechnical Investigation states it is not uncommon for groundwater levels to vary seasonally or for groundwater seepage conditions to develop where none previously existed, especially in

impermeable fine-grained soils, which are heavily irrigated or after seasonal rainfall. In addition, recent requirements for stormwater infiltration could result in shallower seepage conditions in the immediate site vicinity (Geocon 2021). There would be no impact, and no mitigation is required. This issue will not be further evaluated in the Draft EIR.

Project with Building A Residential/Commercial

As discussed for the Project above, the Geotechnical Investigation concludes the potential for liquefaction to occur beneath the site is considered low (Geocon 2021). Additionally, separate from the issue of liquefaction, the Geotechnical Investigation states it is not uncommon for groundwater levels to vary seasonally or for groundwater seepage conditions to develop where none previously existed, especially in impermeable fine-grained soils which are heavily irrigated or after seasonal rainfall. In addition, recent requirements for stormwater infiltration could result in shallower seepage conditions in the immediate site vicinity (Geocon 2021). There would be no impact due to construction and operation of the Project with Building A Residential/Commercial, and no mitigation is required. This issue will not be further evaluated in the Draft EIR.

	Potentially Significant Impact	Less than Significant with Mitigation	Less than Significant Impact	No Impact
Would the project:				
a) Directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury, or death involving:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
iv) Landslides?				

WHY?

Project

The topography at the site is gently sloping to the south and southeast. The site is not located within an area identified as a "Hillside" area or an area identified as having a potential for slope stability hazards. Additionally, the site is not identified on the Seismic Hazard Zone Map for the Pasadena Quadrangle as within an area identified as susceptible to seismically induced landslides. There are no known landslides near the site nor is the site in the path of any known or potential landslides. Therefore, the Geotechnical Investigation concludes the potential for slope stability hazards to adversely affect the site is considered low (Geocon 2021). There would be no impact, and no mitigation is required. This issue will not be further evaluated in the Draft EIR.

Project with Building A Residential/Commercial

As discussed for the Project above, the Geotechnical Investigation concludes the potential for slope stability hazards to adversely affect the site is considered low (Geocon 2021). There would be no impact due to construction and operation of the Project with Building A Residential/Commercial, and no mitigation is required. This issue will not be further evaluated in the Draft EIR.

	Potentially Significant Impact	Less than Significant with Mitigation	Less than Significant Impact	No Impact
Would the project:				
b) Result in substantial soil erosion or the loss of topsoil?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

WHY?**Project**

The largest source of erosion and topsoil loss, particularly in a developed environment, is uncontrolled drainage during construction activities. Grading and other earthwork associated with Project construction may temporarily expose soils on the Project site to wind and/or water erosion. Since the Project area of earth disturbance is greater than one acre, compliance with the State Water Resources Control Board's (SWRCB's) National Pollutant Discharge Elimination System (NPDES) General Permit for Storm Water Discharges Associated with the Construction and Land Disturbance Activities³ (Construction General Permit) would be required. Pursuant to the Construction General Permit, the City would be required to prepare, or have prepared by the Construction Contractor, a Storm Water Pollution Prevention Plan (SWPPP) that would include erosion-control Best Management Practices (BMPs). There would be a less than significant impact, and no mitigation is required. This issue will not be further evaluated in the Draft EIR.

Project with Building A Residential/Commercial

As discussed for the Project above, construction of the Project with Building A Residential/Commercial would be required to comply with the Construction General Permit, including implementation of erosion-control BMPs. There would be a less than significant impact, and no mitigation is required. This issue will not be further evaluated in the Draft EIR.

	Potentially Significant Impact	Less than Significant with Mitigation	Less than Significant Impact	No Impact
Would the project:				
c) Be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the Project, and potentially result in onsite or offsite landslide, lateral spreading, subsidence, liquefaction, or collapse?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

WHY?**Project**

Secondary seismic hazards related to the underlying geologic unit include several types of ground failure that can occur as a result of severe ground shaking. The probability for each type of ground failure depends on the severity of the earthquake, the site's distance from the fault, the local topography, and subsoil and groundwater conditions, among other factors. In addition, there can be soil engineering characteristics

³ Order No. 2009-0009-DWQ, NPDES No. CAS000002, adopted by the SWRCB on September 2, 2009 (effective for all project sites on July 1, 2010) and most recently amended by Order No. 2012-0006-DWQ on July 17, 2012.

inherent in the underlying sediments on a site that can adversely affect structures if not appropriately managed during construction, including subsidence, hydroconsolidation, and other forms of collapse. Liquefaction and landslides are addressed above under Thresholds 2.7(a)(iii) and 2.7(a)(iv). Lateral spreading is a phenomenon related to liquefaction. Because there is no risk of liquefaction at the site, there would be no impact related to lateral spreading and no mitigation is required.

Subsidence occurs when a large portion of land is displaced vertically, usually due to the withdrawal of groundwater, oil, or natural gas. Soils that are particularly subject to subsidence include those with high silt or clay content. The Project site is not located within an area of known ground subsidence. No large-scale extraction of groundwater, gas, oil, or geothermal energy is occurring or planned at the site or in the general site vicinity. There appears to be little or no potential for ground subsidence due to withdrawal of fluids or gases at the site (Geocon 2021).

Based on the laboratory testing of on-site soil samples, the Geotechnical Investigation concluded that the native, granular alluvial soils underlying the site are suitable for reuse as engineered fill where the grading recommendations provided in the investigation are implemented. Also, the Geotechnical Investigation determined there were no seismic or soil conditions present on the site that would preclude construction of the Project, provided all geotechnical recommendations are incorporated into the design and construction (Geocon 2021). Therefore, the Project would not be located on a site that is unstable nor would the site become unstable as a result of the Project such that there would be on- or off-site ground failure. There would be no impact, and no mitigation is required. This issue will not be further evaluated in the Draft EIR.

Project with Building A Residential/Commercial

As discussed for the Project above, the Project with Building A Residential/Commercial would not be located on a site that is unstable nor would the site become unstable as a result of the Project such that there would be on- or off-site ground failure. There would be no impact, and no mitigation is required. This issue will not be further evaluated in the Draft EIR.

	Potentially Significant Impact	Less than Significant with Mitigation	Less than Significant Impact	No Impact
Would the project:				
d) Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial direct or indirect risks to life or property?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

WHY?

Project

The existing site soils are considered to be “non-expansive” and to have a “very low” ($EI < 20$) expansive potential in accordance with Section 1803.5.3 of the 2019 CBC. Based on the depth of the proposed subterranean levels and granular nature of the site soils, the Geotechnical Investigation concluded the Project would not be prone to the effects of expansive soil (Geocon 2021). There would be no impact and no mitigation is required. This issue will not be further evaluated in the Draft EIR.

Project with Building A Residential/Commercial

As discussed for the Project above, the Project with Building A Residential/Commercial would not be located on a site with expansive soil. There would be no impact, and no mitigation is required. This issue will not be further evaluated in the Draft EIR.

	Potentially Significant Impact	Less than Significant with Mitigation	Less than Significant Impact	No Impact
Would the project:				
e) Have soils incapable of adequately supporting the use of septic tanks or alternative waste water disposal systems where sewers are not available for the disposal of wastewater?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

WHY?**Project**

The Project would not involve the use of septic tanks or alternative wastewater disposal systems. There would be no impact and no mitigation is required. This issue will not be further evaluated in the Draft EIR.

Project with Building A Residential/Commercial

As discussed for the Project above, the Project with Building A Residential/Commercial would not involve the use of septic tanks or alternative wastewater disposal systems. There would be no impact and no mitigation is required. This issue will not be further evaluated in the Draft EIR.

	Potentially Significant Impact	Less than Significant with Mitigation	Less than Significant Impact	No Impact
Would the project:				
f) Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

WHY?**Project**

The Project site is a developed area and has been previously graded and disturbed. However, excavation into underlying native (i.e., undisturbed) soils to accommodate the subterranean parking levels has the potential to encounter unknown paleontological resources. A cultural resources study will be conducted as part of the EIR to determine whether the site has the potential to contain paleontological resources. Potential impacts to paleontological resources will be further evaluated in the Draft EIR.

Project with Building A Residential/Commercial

As discussed for the Project above, potential impacts to unknown paleontological resources due to construction and operation of the Project with Building A Residential/Commercial will be further evaluated in the Draft EIR.

2.8 GREENHOUSE GAS EMISSIONS

	Potentially Significant Impact	Less than Significant with Mitigation	Less than Significant Impact	No Impact
Would the project:				
a) Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

WHY?**Project**

The Project would result in a net increase in the generation of greenhouse gas (GHG) emissions associated with land uses on the site. The Project's short-term and long-term GHG emissions will be further evaluated in the Draft EIR.

Project with Building A Residential/Commercial

As discussed for the Project above, the Project with Building A Residential/Commercial would result in a net increase in GHG emissions. This issue will be further evaluated in the Draft EIR.

	Potentially Significant Impact	Less than Significant with Mitigation	Less than Significant Impact	No Impact
Would the project:				
b) Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

WHY?**Project**

As discussed in Threshold 2.8(a), the Project would result in increased GHG emissions. The Project's consistency with applicable plans and policies related to reduction of GHG emissions, including the City of Pasadena's *Climate Action Plan*, will be further evaluated in the Draft EIR.

Project with Building A Residential/Commercial

As discussed for the Project above, the Project with Building A Residential/Commercial would result in increased GHG emissions. The consistency of the Project with Building A Residential/Commercial with applicable GHG emissions plans and policies will be further evaluated in the Draft EIR.

2.9 HAZARDS AND HAZARDOUS MATERIALS

Information in this section is derived in part from the *Phase I Environmental Site Assessment; 465, 491, 503, 525 and 577 South Arroyo Parkway, Pasadena, California 91105* (Phase I ESA) prepared by EMG and dated April 2020 (EMG 2020). The Phase I ESA is provided in its entirety in Appendix B of this IS. The findings of the Phase I ESA would apply equally to the Project and Project with Building A Residential/Commercial because the location and general scale of proposed buildings and subterranean parking structure would be the same for both development scenarios.

	Potentially Significant Impact	Less than Significant with Mitigation	Less than Significant Impact	No Impact
Would the project:				
a) Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

WHY?

Project

Medical and medically related land uses involve substances that are categorized as hazardous materials due to the generation of biomedical waste. These types of materials are typical of any medical facility and would not be considered acutely hazardous or unusual. Also, each proposed building would have a 50-kilovolt standby emergency engine diesel generator. Potential impacts related to the generation of biomedical waste and storage of fuel onsite will be further evaluated in the Draft EIR.

Project with Building A Residential/Commercial

The Project with Building A Residential/Commercial would not generate as much biomedical waste (categorized as hazardous materials) as the Project, since only the assisted living building would generate such materials. This development scenario would instead generate a mix of non-hazardous municipal waste and biomedical waste. Like the Project, the buildings would each have a standby emergency generator. As discussed for the Project above, potential impacts related to the generation of biomedical waste and storage of fuel onsite will be further evaluated in the Draft EIR.

	Potentially Significant Impact	Less than Significant with Mitigation	Less than Significant Impact	No Impact
Would the project:				
b) Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

WHY?

Project

Construction of the Project would involve the use of common hazardous materials such as gasoline, oil, paints, thinners, solvents, acids, curing compounds, grease, and other chemicals that could pose risks to construction workers or lead to soil and groundwater contamination, if not properly stored, used, or disposed. Standard construction practices would be observed such that any materials released are appropriately contained and remediated as required by local, State, and federal law. These materials are common to typical construction activities, and compliance with existing hazardous material regulations on the storage, use, and disposal of hazardous materials at construction sites would prevent hazards to the public or environment through reasonably foreseeable upset or accident conditions.

Given the age of the buildings on the Project site to be demolished, asbestos-containing materials (ACMs) and lead-based paint (LBP) may be present within interior and/or exterior materials and surfaces. The SCAQMD's Rule 1403 provides guidelines for the proper removal and disposal of asbestos-containing materials. In accordance with Rule 1403, structures that may contain asbestos are required to be subject to an asbestos survey by a Certified Asbestos Consultant (certified by California Occupational Safety and Health Administration [CalOSHA]) to identify building materials that contain asbestos. Under this rule, removal of asbestos must include prior SCAQMD notification; compliance with removal procedures and time schedules; asbestos-handling and clean-up procedures; and storage, disposal, and landfilling requirements. In California, asbestos abatement must be performed and monitored by contractors with appropriate certifications from the California Department of Health Services (DHS). In addition, CalOSHA has regulations to protect worker safety during potential exposure to asbestos under Title 8 of the *California Code of Regulations* (Section 1529 Asbestos). All demolition that could result in the release of asbestos must be conducted according to the CalOSHA standards. These standards were developed to protect the general population and construction workers from respiratory and other hazards associated with exposure to these materials. In California, lead abatement must also be performed and monitored by contractors with appropriate certifications from the California DHS. In addition, the CalOSHA has adopted regulations to protect worker safety during potential exposure to lead under Title 8 of the *California Code of Regulations* (Section 1532.1 Lead). All demolition that could result in the release of lead must be conducted according to these standards, which were developed to protect the general population and construction workers from respiratory and other hazards associated with lead exposure. Compliance with SCAQMD Rule 1403 and the CalOSHA's Title 8 regulations on asbestos and lead abatement would be a condition of Project approval and would ensure that handling and disposal of these materials is conducted safely and accident conditions during demolition activities would not be reasonably foreseeable.

As such, the transport, use, and disposal of hazardous materials required for construction and the presence of ACMs and LBP in buildings to be demolished would not present a significant hazard through reasonably foreseeable accident and upset conditions, and no mitigation is required. This issue will not be further evaluated in the Draft EIR.

Project with Building A Residential/Commercial

Construction of the Project with Building A Residential/Commercial would involve use of the same common hazardous materials and likely generation of ACMs and LBP during demolition as the Project. As discussed for the Project above, the transport, use, and disposal of hazardous materials required for construction and the presence of ACMs and LBP in buildings to be demolished would not present a significant hazard through reasonably foreseeable accident and upset conditions with compliance with applicable federal, State, and local regulations, and no mitigation is required. This issue will not be further evaluated in the Draft EIR

	Potentially Significant Impact	Less than Significant with Mitigation	Less than Significant Impact	No Impact
Would the project:				
c) Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter-mile of an existing or proposed school?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

WHY?**Project**

The Project site is within approximately one-quarter mile of the following three schools:

- Mayfield Junior School, 405 South Euclid Avenue;
- The Waverly School, 67 West Bellevue Drive; and
- Aria Montessori School, 693 South Euclid Avenue.

As discussed under Thresholds 2.9(a) and 2.9(b) above, construction and operation of the Project would involve the use of common hazardous substances, potential encounter of hazardous building materials, and use of medical and medically related materials that can be categorized as hazardous. While these materials would not be considered acutely hazardous or unusual, potential impacts to existing schools in proximity to the Project site due to hazardous emissions or handling of hazardous materials on the site will be further evaluated in the Draft EIR.

Project with Building A Residential/Commercial

As discussed above under Threshold 2.8(a), while the Project with Building A Residential/Commercial would generate relatively less biomedical waste than the Project, this development scenario would still generate biomedical waste. Also, as discussed for the Project above, construction and operation of the Project would not involve the use of acutely hazardous or unusual materials. However, potential impacts to existing schools in proximity to the site related to handling of hazardous materials will be further evaluated in the Draft EIR.

	Potentially Significant Impact	Less than Significant with Mitigation	Less than Significant Impact	No Impact
Would the project:				
d) Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

WHY?

Project

Based on review of the Cortese List data resources, the Project site is not located on the State of California Hazardous Waste and Substances Sites List of sites published by CalEPA and compiled pursuant to Section 65962.5 of the *California Government Code* (referred to as the Cortese List). There is one site on the Cortese List located in the City of Pasadena, which is the Jet Propulsion Laboratory (CalEPA 2020).

A Phase I ESA was conducted for the Project site. The purpose of a Phase I ESA is to identify “recognized environmental conditions”, which are defined as “the presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substance or petroleum products into structures on the property or into the ground, groundwater, or surface water of the property”. Therefore, a Phase I ESA addresses the potential for site contamination due to past or present land uses and the potential for future site contamination based on current conditions on and surrounding a site. The contents of Phase I ESAs are defined by national record review requirements in accordance with both the American Society for Testing and Materials (ASTM) E1527-13 Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process and the USEPA Standards and Practices for All Appropriate Inquiries (40 Code of Federal Regulations [CFR] Part 312). The Phase I ESA for the proposed Project was conducted in accordance with these standards.

The Phase I ESA concluded that there was one Historical Recognized Environmental Condition (REC)⁴. As part of the Phase I ESA, the review of the historical data available for the site and the regulatory database report identified that a service station, the former ARCO station located at 125 East California Boulevard, was located on the Project site from approximately the 1930s to 2002 and utilized at least three underground storage tanks (USTs). This facility was located on the southern portion of the site, the site of the current restaurant at 577 South Arroyo Parkway. An unauthorized gasoline release impacting groundwater was first reported in 1988 and soil vapor extraction operations were initiated. In 1998, three USTs were removed from the site and various soil and groundwater investigations were subsequently conducted. The station received a “no further action” letter from the Pasadena Fire Department dated May 24, 2000; however, the site also received an additional clarification letter regarding the “no further action” letter stating that while the site has complied with the regulatory requirements for the site investigation/remediation, contamination remained at the site below regulatory action levels. A Declaration of Environmental Restriction allowing access for remediation was recorded on August 21, 2002, that was to terminate 90 days after No Further Action was received. Quarterly monitoring was conducted, and 761 cy of soil was removed. The Los Angeles Regional Water Quality Control Board (LARWQCB) granted case closure on December 3, 2004, with no property use

⁴ An Historical REC is defined under ASTM E1527 – 13 as a past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls.

restrictions, activity and use limitations, institutional controls, or engineering controls. The monitoring wells were abandoned in 2005. While this site has a "no further action" status and is considered a Historical REC (EMG 2020; Appendix B), this topic will be further evaluated in the Draft EIR.

Project with Building A Residential/Commercial

As discussed for the Project above, potential impacts related to gasoline release in 1988 at the former ARCO station creating a significant hazard to the public or the environment will be further evaluated in the Draft EIR.

	Potentially Significant Impact	Less than Significant with Mitigation	Less than Significant Impact	No Impact
Would the project:				
e) For a Project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the Project result in a safety hazard or excessive noise for people residing or working in the Project area?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

WHY?

Project

The Project site is not within an airport land use plan or within two miles of a public airport or public use airport. The nearest public use airport is the Hollywood Burbank Airport (formerly Bob Hope Airport), located more than 12 miles west of the Project site. Therefore, the proposed Project would not result in a safety hazard for people residing or working in the Project area, nor for people visiting the Project. This issue will not be further evaluated in the Draft EIR.

Project with Building A Residential/Commercial

As discussed for the Project above, the site is not near any air facility, and development of the Project with Building A Residential/Commercial would not result in a safety hazard for people residing or working in the Project area, nor for people visiting the Project with Building A Residential/Commercial development scenario. This issue will not be further evaluated in the Draft EIR.

	Potentially Significant Impact	Less than Significant with Mitigation	Less than Significant Impact	No Impact
Would the project:				
g) Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

WHY?

Project

The City of Pasadena Emergency Operations Plan addresses the City's planned response to emergencies associated with natural disasters and technological incidents. It provides an overview of operational concepts, identifies components of the City's emergency management organization within the Standardized Emergency Management System (SEMS) and the National Incident Management System (NIMS), and describes the overall responsibilities of the federal, State, county entities, and the City for protecting life and property and ensuring the overall well-being of the population (Pasadena 2011). Further, the City maintains a SEMS/NIMS Emergency Response Plan, which addresses planned responses to emergency/disaster situations associated with natural disasters, technological incidents, and national security emergencies. In case of a disaster, the Pasadena Fire Department is responsible for implementing the plan, and the Pasadena Police Department devises evacuation routes based on the specific circumstance of the emergency.

Construction and operation of the Project would not place any permanent or temporary physical barriers on any existing public streets. As such, the proposed Project would not obstruct any emergency evacuation or response activities. Construction staging would not interfere with circulation along Arroyo Parkway, California Boulevard, or any other nearby roadways. Among the standard conditions of approval for the Project, the Applicant would be required to submit a Construction Staging and Traffic Management Plan to the Public Works Department and no construction truck idling or staging, material storage, or construction trailer are allowed in the public ROW. For these reasons, the proposed Project would not interfere with any emergency response or emergency evacuation plans. Potential impacts would be less than significant, and no mitigation is required. This issue will not be further evaluated in the Draft EIR.

Project with Building A Residential/Commercial

As discussed for the Project above, construction and operation of the Project with Building A Residential/Commercial would not interfere with any emergency response or emergency evacuation plans as the site layout, including circulation, would be the same as the Project. Potential impacts would be less than significant, and no mitigation is required. This issue will not be further evaluated in the Draft EIR.

	Potentially Significant Impact	Less than Significant with Mitigation	Less than Significant Impact	No Impact
Would the project:				
h) Expose people or structures, either directly or indirectly, to a significant risk of loss, injury, or death involving wildland fires?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

WHY?

Project

The Project site and surrounding area is not within a Very High Fire Hazard Severity Zone (VHFHSZ) (CAL FIRE 2020). Implementation of the Project would not expose people or structures to wildfire risks. This issue will not be further evaluated in the Draft EIR.

Project with Building A Residential/Commercial

As discussed for the Project above, the Project site is not within a VHFHSZ. This issue will not be further evaluated in the Draft EIR.

2.10 HYDROLOGY AND WATER QUALITY

Information in this section is derived in part from the *Hydrology/LID Study, 555 Arroyo Parkway* (Hydrology Study) prepared by Fuscoe Engineering and dated July 2021 (Fuscoe Engineering 2021).

	Potentially Significant Impact	Less than Significant with Mitigation	Less than Significant Impact	No Impact
Would the project:				
a) Violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or groundwater quality?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

WHY?

Project

The Project site is within the jurisdiction of the LARWQCB (Region 4). The Project could result in short-term, construction-related impacts to surface water quality from grading and other construction activities (e.g., erosion, spills, and leaks from construction equipment). Compliance with non-storm water management and pollution-control BMPs, as outlined in the SWPPP required for the Project consistent with the NPDES General Permit for Storm Water Associated with Construction Activities (Order No 2009-009-DWQ as amended by 2010-0014-DWQ and 2012- 0006-DWQ, NPDES No. CAS000002), would ensure the pollutant levels in runoff during construction do not violate water quality standards. Because the Project site is over one acre, Construction General Permit requirements would include the preparation of a SWPPP, implementation and monitoring of BMPs, implementation of best available technology for toxic and non-conventional pollutants, implementation of best conventional technology for conventional pollutants, and periodic submittal of performance summaries and reports to the LARWQCB.

The Project site is entirely developed, with the portion of the site south of the Whole Foods Market having a 97 percent impervious surface area. The existing buildings primarily drain runoff via roof drains that either connect to an underground curb drain or release just above the pavement or sidewalk. The storm water runoff then outfalls through sheet flow along driveways and street-adjacent curb drains onto the Arroyo Parkway sidewalk or directly connects to the municipal storm drain system. In the existing condition, storm water runoff discharges untreated into the municipal storm drain system.

In the City of Pasadena, all development and redevelopment projects must comply with the latest Los Angeles County Public Works Low Impact Development (LID) Standards Manual. The LID Standards Manual complies with the requirements of the NPDES Municipal Separate Storm Sewer (MS4) Permit for storm water and non-storm water discharges from the MS4 within the coastal watersheds of Los Angeles County (CAS004001, Order No. R4-2012-0175). The LID BMPs are engineered facilities that are designed to retain and/or biotreat runoff on a site. Per the County LID Manual, the Project is deemed a designated project because it is a redevelopment project that results in the creation or addition or replacement of 5,000 sf or more of impervious surface on a site that was previously developed. All designated projects must detain the water quality volume on-site through infiltration, evapotranspiration, water runoff harvest and use, or a combination thereof unless it is demonstrated that it is technically infeasible to do so.

The proposed on-site storm drain facilities would consist of catch basins, area drains, gutters, roof drains, pipes, and planters (biofiltration and non-biofiltration). These drains would route to either storm water infiltration facilities below the lowest basement, such as a drywell, or a detention tank before a biofiltration

planter, which would intercept the low flows and provide water quality treatment in order to meet the County LID Ordinance. In the case that biofiltration is selected for LID, pumps would be required to make the system successful. High flows and bypass flows would flow to the adjacent Arroyo Parkway either through sheet flow or the underground storm drain system overflow pipes that would connect to a parkway drain or curb drain. In the proposed condition, the site would be divided into four drainage areas that would have impervious surface areas of 94 percent, 98 percent, and 100 percent (two of the four drainage areas would be 100 percent).

The Hydrology Study prepared for the Project determined that, with implementation of the planned LID features—either infiltration or biofiltration—there would be a slight decrease in storm water runoff volumes. Table 2-2, Pre- and Post-Development Storm Water Discharges, summarizes the runoff discharges for 2-year, 5-year, 10-year, 25-year, and 50-year storm events.

**TABLE 2-2
PRE- AND POST-DEVELOPMENT STORM WATER DISCHARGES**

Drainage Area	2 Year Event	5 Year Event	10 Year Event	25 Year Event	50 Year Event
Existing (cfs)	2.84	4.80	6.20	8.14	9.27
Proposed (cfs)	3.43	5.42	6.62	8.14	9.27
LID Flow Reduction	0.80	0.80	0.80	0.80	0.80
Difference (cfs)	-0.21	-0.18	-0.38	-0.80	0.80
cfs: cubic feet per second					
Source: Fuscoe Engineering. 2021 (July). <i>Hydrology/LID Study, 555 South Arroyo Parkway</i> . Los Angeles, CA: Fuscoe Engineering. Appendix C.					

Implementation of the planned LID features would ensure both the quantity and quality of runoff discharged from the Project site would not violate LARWQCB standards or otherwise degrade surface or groundwater quality. There would be a less than significant impact, and no mitigation is required. This issue will not be further evaluated in the Draft EIR.

Project with Building A Residential/Commercial

The Project with Building A Residential/Commercial would implement the same LID features to manage storm water runoff as the Project. Therefore, as discussed for the Project above, implementation of the planned LID features would ensure both the quantity and quality of runoff discharged from the Project site would not violate LARWQCB standards or otherwise degrade surface or groundwater quality. There would be a less than significant impact, and no mitigation is required. This issue will not be further evaluated in the Draft EIR.

	Potentially Significant Impact	Less than Significant with Mitigation	Less than Significant Impact	No Impact
Would the project:				
b) Substantially decrease groundwater supplies or interfere substantially with groundwater recharge such that the project may impede sustainable groundwater management of the basin?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

WHY?

Project

A project can result in a significant impact on groundwater supplies if it causes a demonstrable and sustained reduction of groundwater recharge capacity or changes the potable water levels such that it reduces the ability of a water utility to use the groundwater basin for public water supplies or storage of imported water, reduces the yields of adjacent wells or well fields, or adversely changes the rate or direction of groundwater flow.

The Project would result in a net increase in potable water demand for indoor and outdoor use. Additionally, a finite amount of water would be used during construction for dust suppression. The sufficiency of water supplies for the Project will be further evaluated in the Utilities and Service Systems section of the Draft EIR. These potable water supplies may be in part derived from the City's groundwater sources but would not change the volume of water withdrawn from the Raymond Basin, as such withdrawal is controlled by the Raymond Basin Management Board.

Additionally, the Project would not involve an increase in impervious surfaces that would impede stormwater infiltration. As discussed under Threshold 2.10(a) above, the Project site would have a similar coverage of impervious surface area with Project implementation. Therefore, implementation of the Project would not materially affect groundwater recharge. There would be a less than significant impact, and no mitigation is required. This issue will not be further evaluated in the Draft EIR.

Project with Building A Residential/Commercial

As discussed for the Project above, the sufficiency of water supplies for the Project with Building A Residential/Commercial will be further evaluated in the Utilities and Service Systems section of the Draft EIR, as these potable water supplies may be in part derived from the City's groundwater sources. The Project with Building A Residential/Commercial would result in the same post-development coverage of impervious surfaces as the Project, which is similar to the existing conditions. Therefore, as discussed, there would be a less than significant impact, and no mitigation is required. This issue will not be further evaluated in the Draft EIR.

	Potentially Significant Impact	Less than Significant with Mitigation	Less than Significant Impact	No Impact
Would the project:				
c) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course or a stream or river or through the addition of impervious surfaces, in a manner that would:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
i) Result in substantial erosion or siltation on- or off-site?				

WHY?**Project**

As discussed under Threshold 2.10(a) above, the Project site would remain largely impermeable with Project implementation. As in the existing condition, any storm water discharging from the site would enter the municipal storm drain system via Arroyo Parkway. Also, the site is not located in proximity to a stream or other drainage. Therefore, the Project would not result in substantial erosion or siltation on- or off-site. There would be a less than significant impact, and no mitigation is required. This issue will not be further evaluated in the Draft EIR.

Project with Building A Residential/Commercial

The Project with Building A Residential/Commercial would result in the same post-development drainage pattern as the Project. Therefore, as discussed for the Project above, the Project with Building A Residential/Commercial would not result in substantial erosion or siltation on- or off-site. There would be a less than significant impact, and no mitigation is required. This issue will not be further evaluated in the Draft EIR.

	Potentially Significant Impact	Less than Significant with Mitigation	Less than Significant Impact	No Impact
Would the project:				
c) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course or a stream or river or through the addition of impervious surfaces, in a manner that would:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
ii) Substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or off-site?				

WHY?**Project**

As discussed under Threshold 2.10(a) above, the Hydrology Study prepared for the Project determined that, with implementation of the planned LID features—either infiltration or biofiltration—there would be a slight decrease in storm water runoff volumes. The appropriate LID features would be a requirement of building permit review and a condition of approval for the Project. The site would remain largely permeable with Project implementation, with the same general drainage pattern on the site. Therefore, the Project would

not substantially increase the rate or amount of surface runoff such that on- or off-site flooding would occur. There would be a less than significant impact, and no mitigation is required. This issue will not be further evaluated in the Draft EIR.

Project with Building A Residential/Commercial

The Project with Building A Residential/Commercial would implement the same LID features to manage storm water runoff as the Project. Therefore, as discussed for the Project above, the Project with Building A Residential/Commercial would not substantially increase the rate or amount of surface runoff such that on- or off-site flooding would occur. There would be a less than significant impact, and no mitigation is required. This issue will not be further evaluated in the Draft EIR.

	Potentially Significant Impact	Less than Significant with Mitigation	Less than Significant Impact	No Impact
Would the project:				
c) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course or a stream or river or through the addition of impervious surfaces, in a manner that would:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
iii) Create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff?				

WHY?

Project

As discussed under Threshold 2.10(a) above, the Hydrology Study prepared for the Project determined that, with implementation of the planned LID features—either infiltration or biofiltration—there would be a slight decrease in storm water runoff volumes. The site would remain largely impermeable with Project implementation and would maintain the same general drainage pattern on the site as the existing condition. Therefore, the Project would not create or contribute runoff that would exceed the capacity of the municipal storm drainage system. There would be a less than significant impact, and no mitigation is required. This issue will not be further evaluated in the Draft EIR.

Project with Building A Residential/Commercial

The Project with Building A Residential/Commercial would implement the same LID features to manage storm water runoff as the Project. Therefore, as discussed for the Project above, the Project with Building A Residential/Commercial would not create or contribute runoff that would exceed the capacity of the municipal storm drainage system. There would be a less than significant impact, and no mitigation is required. This issue will not be further evaluated in the Draft EIR.

	Potentially Significant Impact	Less than Significant with Mitigation	Less than Significant Impact	No Impact
Would the project:				
c) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course or a stream or river or through the addition of impervious surfaces, in a manner that would:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
iv) Impede or redirect flood flows?				

WHY?**Project**

As discussed under Threshold 2.10(a) above, the Project site would remain largely impermeable with Project implementation. As in the existing condition, any storm water discharging from the site would enter the municipal storm drain system via Arroyo Parkway. Also, the site is not located in proximity to a stream or other drainage. Therefore, the Project would not impede or redirect flood flows. There would be a less than significant impact, and no mitigation is required. This issue will not be further evaluated in the Draft EIR.

Project with Building A Residential/Commercial

The Project with Building A Residential/Commercial would result in the same post-development drainage pattern as the Project. Therefore, as discussed for the Project above, the Project with Building A Residential/Commercial would not impede or redirect flood flows. There would be a less than significant impact, and no mitigation is required. This issue will not be further evaluated in the Draft EIR.

	Potentially Significant Impact	Less than Significant with Mitigation	Less than Significant Impact	No Impact
Would the project:				
d) In flood hazard, tsunami, or seiche zones, risk release of pollutants due to project inundation?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

WHY?**Project**

No portions of the City are within a 100-year floodplain, as identified by the Federal Emergency Management Agency (FEMA). As shown on FEMA FIRM panel 06037C1375F, the Project site is located in Zone X (FEMA 2008). Zone X is located outside of the special flood hazard areas subject to inundation by the one percent annual chance of flood (100-year floodplain), and no floodplain management regulations are required. In addition, according to the City's Dam Failure Inundation Map (Plate P-2 of the Safety Element) the Project site is not located in a dam inundation area (City of Pasadena 2002a). The City is not located in proximity to any inland bodies of water or the Pacific Ocean to be inundated by either a seiche or tsunami. Therefore, the Project would neither introduce pollutants to the site nor risk release of pollutants due to inundation, including during intense storm events. There would be no impact, and no mitigation is required. This issue will not be further evaluated in the Draft EIR.

Project with Building A Residential/Commercial

As discussed for the Project above, the City is not in a 100-year floodplain nor at risk of inundation by either a seiche or tsunami. The Project site is not within a dam inundation area (City of Pasadena 2002a). Therefore, the Project with Building A Residential/Commercial would neither introduce pollutants to the site nor risk release of pollutants due to inundation, including during intense storm events. There would be no impact, and no mitigation is required. This issue will not be further evaluated in the Draft EIR.

	Potentially Significant Impact	Less than Significant with Mitigation	Less than Significant Impact	No Impact
Would the project:				
e) Conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

WHY?**Project**

As discussed under Threshold 2.10(a) above, implementation of the Project would not adversely affect water quality through compliance with the Construction General Plan and LID/County MS4 requirements during construction or operation, respectively.

The Raymond Basin, the Pasadena Water and Power's (PWP's) source of groundwater, is defined by the California Department of Water Resources as a very-low priority pursuant to the 2014 Sustainable Groundwater Management Act (DWR 2019). As such, there is currently no sustainable groundwater management plan applicable to the Project site. Regardless, as discussed under Threshold 2.10(b) above, the increase in demand for potable water during construction and operation of the Project, which may be in part derived from the City's groundwater sources, would not change the volume of water withdrawn from the Raymond Basin, as such withdrawal is controlled by the Raymond Basin Management Board as an adjudicated basin. There would be a less than significant impact, and no mitigation is required. This issue will not be further evaluated in the Draft EIR.

Project with Building A Residential/Commercial

As discussed for the Project above, there is currently no sustainable groundwater management plan applicable to the site. Regardless, as discussed under Threshold 2.10(b) above, the increase in demand for potable water during construction and operation of the Project with Building A Residential/Commercial, which may be in part derived from the City's groundwater sources, would not change the volume of water withdrawn from the Raymond Basin, as such withdrawal is controlled by the Raymond Basin Management Board as an adjudicated basin. There would be a less than significant impact, and no mitigation is required. This issue will not be further evaluated in the Draft EIR.

2.11 LAND USE AND PLANNING

	Potentially Significant Impact	Less than Significant with Mitigation	Less than Significant Impact	No Impact
Would the project:				
a) Physically divide an established community?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

WHY?**Project**

The Project would not physically divide an existing community, as the Project would involve the redevelopment of five adjacent parcels that consist solely of commercial land uses. There would be no impact, and no mitigation is required. This issue will not be further evaluated in the Draft EIR.

Project with Building A Residential/Commercial

As discussed for the Project above, the Project with Building A Residential/Commercial would not divide an existing community because it would involve the redevelopment of five adjacent parcels that consist solely of commercial land uses. There would be no impact, and no mitigation is required. This issue will not be further evaluated in the Draft EIR.

	Potentially Significant Impact	Less than Significant with Mitigation	Less than Significant Impact	No Impact
Would the project:				
b) Cause a significant environmental impact due to a conflict with any land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

WHY?**Project**

The primary land use planning documents that govern the Project site are the City's General Plan, the Central District Specific Plan, and the Pasadena Zoning Code. The General Plan land use designation is High Mixed Use and the site is zoned CD-6 (Central District Specific Plan, Arroyo Corridor/Fair Oaks subdistrict). No General Plan amendment is proposed as part of the Project. However, the Applicant seeks approval to rezone the site as a Planned Development (PD) district and approval of a PD Plan. The City's PD zone is a special purpose zoning district defined, pursuant to Section 17.26.020(C) of the PMC. The PD zoning district is "intended for sites where an applicant proposes and the City desires to achieve a particular mix of uses, appearance, land use compatibility, or special sensitivity to neighborhood character." The Applicant is also requesting a zoning variance for historic resources. Specifically, the Applicant is requesting an increase in allowable building height to offset the reduction in developable area due to the preservation of the two historic structures on the Project site. Consistency with the applicable plans and policies of the City and the

region (i.e., SCAG) will be further evaluated in the Draft EIR, with a focus on plans, policies, or regulations adopted for the purpose of avoiding or mitigating an environmental effect.

Project with Building A Residential/Commercial

The Project with Building A Residential/Commercial would also involve approval to rezone the site as a PD District, approval of a PD Plan, and a zoning variance for historic resources. Consistency with the applicable plans and policies of the City and the region (i.e., SCAG) will be further evaluated in the Draft EIR, with a focus on plans, policies, or regulations adopted for the purpose of avoiding or mitigating an environmental effect.

2.12 MINERAL RESOURCES

	Potentially Significant Impact	Less than Significant with Mitigation	Less than Significant Impact	No Impact
Would the project:				
a) Result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

WHY?**Project**

No active mining operations exist in the City. There are two areas in Pasadena that have been identified by the CGS as Mineral Resource Zone 2, which is defined as areas where geologic data indicate the significant PCC-Grade aggregate resources are present. These two areas are Eaton Wash and Devil's Gate Reservoir, which were both formerly mined for aggregate (CGS 1982, 2010). Neither the Project site nor surrounding areas are presently utilized for mineral production and mining is not an allowed use in the City's zoning code. Therefore, the proposed Project would not result in the loss of an available known mineral resource with value to the region. There will be no impact, and no mitigation is required. This issue will not be further evaluated in the Draft EIR.

Project with Building A Residential/Commercial

As discussed for the Project above, neither the Project site nor surrounding areas are presently utilized for mineral production and mining is not a permitted use in the City's zoning code. Therefore, the Project with Building A Residential/Commercial would not result in the loss of available known mineral resources with value to the region. There would be no impact, and no mitigation is required. This issue will not be further evaluated in the Draft EIR.

	Potentially Significant Impact	Less than Significant with Mitigation	Less than Significant Impact	No Impact
Would the project:				
b) Result in the loss of availability of a locally-important mineral resource recovery site delineated on a local general plan, specific plan, or other land use plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

WHY?**Project**

The City's General Plan Land Use Element does not identify any mineral recovery sites within the City (Pasadena 2015b). No active mining operations exist in the City, and mining is not currently allowed within any of the City's designated land uses. Therefore, the proposed Project would not result in significant impacts from the loss of a locally important mineral resource recovery site, and no mitigation is required. This issue will not be further evaluated in the Draft EIR.

Project with Building A Residential/Commercial

As discussed for the Project above, no active mining operations exist in the City, and mining is not currently allowed within any of the City's designated land uses. Therefore, the Project with Building A Residential/Commercial would not result in significant impacts from the loss of a locally important mineral resource recovery site, and no mitigation is required. This issue will not be further evaluated in the Draft EIR.

2.13 NOISE

	Potentially Significant Impact	Less than Significant with Mitigation	Less than Significant Impact	No Impact
Would the project:				
a) Generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

WHY?**Project**

The proposed Project would generate noise from construction activity and operational mobile (e.g., cars, trucks, ambulances) and stationary noise sources (e.g., idling vehicles and heating, ventilating, and air conditioning ([HVAC] equipment). The Applicant anticipates that there would be regular ambulance visits to the assisted care facility (approximately 10 per month). Potential impacts from temporary construction and permanent operational noise generation will be further evaluated in the Draft EIR.

Project with Building A Residential/Commercial

As discussed for the Project above, the Project with Building A Residential/Commercial would generate noise from construction activity and operational mobile (e.g., cars, trucks, ambulances) and stationary noise sources (e.g., idling vehicles and heating, ventilating, and air conditioning ([HVAC] equipment) similar to the Project. Potential impacts from temporary construction and permanent operational noise generation will be further evaluated in the Draft EIR.

	Potentially Significant Impact	Less than Significant with Mitigation	Less than Significant Impact	No Impact
Would the project:				
b) Generation of excessive groundborne vibration or groundborne noise levels?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

WHY?**Project**

Depending on the type of construction activities employed, construction of the Project could generate groundborne vibration that could affect nearby buildings, including the three existing buildings to be retained on the site. Potential impacts related to generation of vibration will be further evaluated in the Draft EIR.

Project with Building A Residential/Commercial

As discussed for the Project above, depending on the type of construction activities employed, construction of the Project with Building A Residential/Commercial could generate groundborne vibration that could affect

nearby buildings, including the three existing buildings (i.e., two historic structures and Whole Foods Market) to be retained on the site. Potential impacts related to generation of vibration will be further evaluated in the Draft EIR.

	Potentially Significant Impact	Less than Significant with Mitigation	Less than Significant Impact	No Impact
Would the project:				
c) For a project located within the vicinity of a private airstrip or an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

WHY?

Project

There are no public or private airports located within two miles of the Project site. The closest airport to the site is the Hollywood Burbank Airport (formerly Bob Hope Airport), located more than 12 miles west-northwest of the site. Accordingly, the Project would not expose people to excessive airport-related noise. There would be no impact, and no mitigation is required. This issue will not be further evaluated in the Draft EIR.

Project with Building A Residential/Commercial

As discussed for the Project above, the site is not near any air facility, and development of the Project with Building A Residential/Commercial would not expose people to excessive airport-related noise. This issue will not be further evaluated in the Draft EIR.

2.14 POPULATION AND HOUSING

	Potentially Significant Impact	Less than Significant with Mitigation	Less than Significant Impact	No Impact
Would the project:				
a) Induce substantial unplanned population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through the extension of roads or other infrastructure)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

WHY?**Project**

The Project involves the construction and operation of medical office, commercial, and an assisted living building with both assisted living uses and independent living uses, which would result in a new permanent resident population on the Project site of up to 109 persons in the up to 95 senior housing units. While it is unlikely that all residents of the independent living units of the assisted living building would relocate to the City, for purposes of this analysis it is assumed that persons occupying the independent living units would be new residents. The City considers the independent living units within the assisted living building to be residential units because each unit would have a kitchen and areas for living and sleeping. Conversely, the assisted living uses would not have a kitchen, and are not considered residential units by the City for planning and zoning purposes. The assisted living facilities would care for up to an estimated 113 persons.

The medical office building is expected to result in 881 employees and the assisted living building is expected to result in 66 employees. The current (as of May 2021, the most recent published data) unemployment rate in the City of Pasadena is 8.4 percent and in the County of Los Angeles is 10.1 percent and has averaged 5.2 percent in the County from 2015 through 2019 (i.e., the five calendar years prior to the COVID-19 pandemic)(EDD 2021a, 2021b). Therefore, most or all of new employment positions generated by the Project are anticipated to be filled by the local labor pool in the region and would not require relocation to the City such that unplanned population growth exceeding projections would occur.

The Land Use Element of the City's General Plan identifies a total development capacity of 4,272 residential units and 2,112,000 sf of commercial land uses in the Central District (Pasadena 2015b). The Project includes 98,576 sf of independent living uses, with up to 95 residential units, 85,800 sf of assisted living uses, and 154,000 sf of medical office and commercial uses. As of May 31, 2021, building permits have been issued for 1,721 residential units and 792,757 sf of commercial land uses. Therefore, there is adequate remaining development capacity in the Central District to accommodate the Project. Furthermore, the Project site is in a developed urban area with an established roadway network and in-place infrastructure. Therefore, development of the Project and its potential employment opportunities would not require extending or improving infrastructure in a manner that would indirectly facilitate population growth. There would be a less than significant impact, and no mitigation is required. This issue will not be further evaluated in the Draft EIR.

Project with Building A Residential/Commercial

The Project with Building A Residential/Commercial could result in new permanent population of up to 493 persons⁵ in the up to 197 units, and the assisted living building (Building B) could result in a permanent

⁵ Based on average household size of 2.5 for the City of Pasadena per the most recent (2019) profile of the City generated by the Southern California Association of Governments (SCAG 2019).

resident population of 109 persons in the up to 95 independent living units. As discussed in Section 1.0 of this Initial Study, based on the development cap of 87 du/acre, a total of 289 units could be constructed. Therefore, if a total of 197 units were constructed in Building A, only 92 independent living units could be constructed in Building B. Conversely, if 95 independent living units were constructed in Building B, only 194 units could be constructed in Building A. Because the dwelling units in Building A would have a higher average population (2.5 persons) than the independent living units (1.14 persons), as the more conservative approach it is assumed the Project with Building A Residential/Commercial would be implemented with 197 units in Building A and 92 units in Building B as this would result in a higher population generation. This scenario would result in a total population of approximately 664 persons in the same size buildings as the Project (338,376 sf). As with the Project, the assisted living building is expected to result in 66 employees. Under this development scenario, Building A would include a leasing/sales management office that would employ a small number of individuals and potentially employ maintenance personnel as well. As discussed above for the Project, based on the unemployment rate in the City in the five calendar years prior to the pandemic, it is expected that most or all of new employment positions generated by the Project with Building A Residential/Commercial would be filled by the local labor pool in the region and would not require relocation to the City such that unplanned population growth exceeding projections would occur.

There is adequate remaining development capacity (2,551 residential units and 1,319,243 sf of commercial land uses) in the Central District to accommodate the Project with Building A Residential/Commercial. As discussed for the Project above, development of the Project with Building A Residential/Commercial would not indirectly induce substantial population growth because the site development would not require extending or improving infrastructure, and job opportunities are not anticipated to require substantial relocation. There would be a less than significant impact, and no mitigation is required. This issue will not be further evaluated in the Draft EIR.

	Potentially Significant Impact	Less than Significant with Mitigation	Less than Significant Impact	No Impact
Would the project:				
b) Displace substantial numbers of existing people or housing, necessitating the construction of replacement housing elsewhere?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

WHY?

Project

The Project site does not contain any existing dwelling units, and there are no persons currently residing at the site. Therefore, the proposed Project would not displace any people or housing. There would be no impact, and no mitigation is required. This issue will not be further evaluated in the Draft EIR.

Project with Building A Residential/Commercial

As discussed for the Project above, there are no existing dwelling units or persons residing on the site. Therefore, the Project with Building A Residential/Commercial would not displace any people or housing. There would be no impact, and no mitigation is required. This issue will not be further evaluated in the Draft EIR.

2.15 PUBLIC SERVICES

	Potentially Significant Impact	Less Than Significant With Mitigation	Less Than Significant Impact	No Impact
Would the project:				
a) Result in substantial adverse physical impacts associated with the provision of new or physically altered government facilities, need for new or physically altered government facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times, or other performance objectives for any of the public services:				
i) Fire protection?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ii) Police protection?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
iv) Parks?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
v) Other public facilities?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

WHY?**Project**

As discussed in Section 2.14, Population and Housing, above, the Project would result in direct population growth in the City. There would be increased demand for fire protection and police protection services related to both the increased population and the increased scale of building development on the site. The Project's resident population would generate an increased demand for parks and other public facilities, such as libraries. The increased demand for these public services and whether it would result in the need for new or expanded facilities that could result in environmental impacts will be further evaluated in the Draft EIR.

Project with Building A Residential/Commercial

As discussed for the Project above, the Project with Building A Residential/Commercial would result in increased demand for fire protection and police protection services. The increased residential population with development of the Project with Building A Residential/Commercial, which would be greater than with the Project, would generate an increased demand for parks and other public facilities, such as libraries. The increased demand for these public services and whether it would result in the need for new or expanded facilities that could result in environmental impacts will be further evaluated in the Draft EIR.

	Potentially Significant Impact	Less Than Significant With Mitigation	Less Than Significant Impact	No Impact
Would the project:				
a) Result in substantial adverse physical impacts associated with the provision of new or physically altered government facilities, need for new or physically altered government facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times, or other performance objectives for any of the public services:				
iii) Schools?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

WHY?

Project

As discussed in Section 2.14, Population and Housing, above, the Project would result in direct population growth in the City. However, because the population would be senior individuals, there would not be an increased demand for schools. There would be no impact, and no mitigation is required. However, as discussed below, because the proposed development may involve development of a residential building that would increase demand for schools, whether this would result in the need for new or expanded facilities that could result in environmental impacts will be further evaluated in the Draft EIR.

Project with Building A Residential/Commercial

The Project with Building A Residential/Commercial would result in an increased demand for schools because, unlike the assisted living building, the dwelling units in the proposed residential building under this development scenario could include families with school-age children. Therefore, the increased demand for schools and whether it would result in the need for new or expanded facilities that could result in environmental impacts will be further evaluated in the Draft EIR.

2.16 RECREATION

	Potentially Significant Impact	Less than Significant with Mitigation	Less than Significant Impact	No Impact
Would the project:				
a) Increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

WHY?**Project**

As discussed in Section 2.14, Population and Housing, above, the Project would result in direct population growth in the City. The Project's resident population would generate an increased demand for recreational facilities in the City and local region. The increased demand for these recreational facilities and whether they would result in the deterioration of these facilities will be further evaluated in the Draft EIR.

Project with Building A Residential/Commercial

As discussed for the Project above, the Project with Building A Residential/Commercial would result in increased demand for recreational facilities in the City and local region. The increased residential population with development of the Project with Building A Residential/Commercial, which would be greater than with the Project, would generate an increased demand for recreational facilities. The increased demand for these facilities and whether it would result in the deterioration of these facilities will be further evaluated in the Draft EIR.

	Potentially Significant Impact	Less than Significant with Mitigation	Less than Significant Impact	No Impact
Would the project:				
b) Include recreational facilities or require the construction or expansion of recreational facilities which might have an adverse physical effect on the environment?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

WHY?**Project**

As discussed in Section 2.14, Population and Housing, above, the Project would result in direct population growth in the City. There would be increased demand for recreational facilities related to both the increased population and the increased scale of building development on the site. The increased demand for recreation facilities and whether it would result in the need for expanded recreational facilities that could result in environmental impacts will be further evaluated in the Draft EIR.

Project with Building A Residential/Commercial

As discussed for the Project above, the Project with Building A Residential/Commercial would result in increased demand for recreational facilities in the City and local region. The increased residential population with development of the Project with Building A Residential/Commercial, which would be greater than with the Project, would generate an increased demand for recreational facilities. The increased demand for recreation facilities and whether it would result in the need for expanded recreational facilities that could result in environmental impacts will be further evaluated in the Draft EIR.

2.17 TRANSPORTATION

	Potentially Significant Impact	Less than Significant with Mitigation	Less than Significant Impact	No Impact
Would the project:				
a) Conflict with a program plan, ordinance or policy addressing the circulation system, including transit, roadway, bicycle and pedestrian facilities?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

WHY?**Project**

The City of Pasadena has adopted transportation performance measures and thresholds of significance to determine transportation and traffic impacts under CEQA. The performance measures and CEQA thresholds are consistent with the City's adopted General Plan and SB 743 and include Vehicle Miles Traveled (VMT) per capita, vehicle trips (VT) per capita, proximity and quality of bicycle network, proximity and quality of transit network, and pedestrian accessibility. The measures support the City's vision of creating a community where people can circulate without cars, which relies upon an integrated multimodal transportation system that provides choices and accessibility for everyone in the City. The Project would generate increased vehicle trips. Therefore, consistency of the Project with the City's plans, ordinances, and policies addressing the circulation system, specifically the City's General Plan and the City's *Transportation Impact Analysis Current Practice and Guidelines* (TIA guidelines), will be further evaluated in the Draft EIR.

Project with Building A Residential/Commercial

The Project with Building A Residential/Commercial would generate increased vehicle trips. Both development scenarios would have separate transportation studies to reflect the different proposed land uses. Therefore, consistency of the Project with Building A Residential/Commercial with the City's plans, ordinances, and policies addressing the circulation system, specifically the City's General Plan and TIA guidelines, will be further evaluated in the Draft EIR.

	Potentially Significant Impact	Less than Significant with Mitigation	Less than Significant Impact	No Impact
Would the project:				
b) Conflict or be inconsistent with CEQA Guidelines section 15064.3, subdivision (b)(1)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

WHY?**Project**

Section 15064.3(b)(1) of the State CEQA Guidelines refers to evaluating transportation impacts using VMT for land use projects. The City's TIA guidelines were prepared to reflect the requirements of SB 743. The City of Pasadena Department of Transportation has prepared a transportation analysis based on the requirements of SB 743 and determined whether there would be transportation impacts pursuant to CEQA.

Specifically, the objectives of this analysis is to assess the impact the development would have on the City's transportation system by estimating incremental changes in VMT per capita, VT per capita, the Project's impact on service population proximity access to transit and bike facilities and walk accessibility score. The results of this analysis will be presented for further evaluation in the Draft EIR.

Project with Building A Residential/Commercial

The Project with Building A Residential/Commercial would generate increased vehicle trips. Both development scenarios would have separate transportation studies to reflect the different proposed land uses. The results of these analyses will be presented for further evaluation in the Draft EIR.

	Potentially Significant Impact	Less than Significant with Mitigation	Less than Significant Impact	No Impact
Would the project:				
c) Substantially increase hazards due to a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

WHY?

Project

The proposed Project would not involve any alterations to the configuration of existing public or private roadways, such as new lanes, curves, or crossings outside the boundaries of the Project site. The Project uses south of Whole Foods Market would have three ingress/egress points—one on California Boulevard and two on South Arroyo Parkway. These driveways would be required to comply with all applicable design standards in Section 17.46 Parking and Loading of the PMC to ensure safe circulation to and from, and within, the Project. The new driveway approaches and associated curb and gutter would be required to be built to the City's standard plans as a condition of approval. Whole Foods Market would retain the entrance on Bellevue Drive and the exit onto South Arroyo Parkway. Therefore, the Project would not increase hazards due to a geometric design feature or incompatible use. There would be no impact, and no mitigation is required. This issue will not be further evaluated in the Draft EIR.

Project with Building A Residential/Commercial

As discussed for the Project above, because the Project with Building A Residential/Commercial would have the same site plan, including circulation, as the Project, there would be no alterations to the configuration of existing public or private roadways outside the boundaries of the site. As such, the Project with Building A Residential/Commercial would not increase hazards. There would be no impact, and no mitigation is required. This issue will not be further evaluated in the Draft EIR.

	Potentially Significant Impact	Less than Significant with Mitigation	Less than Significant Impact	No Impact
Would the project:				
d) Result in inadequate emergency access?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

WHY?

Project

The proposed Project would not involve any alterations to existing public or private roadways and would not result in the elimination of a through-route or the narrowing of any roadways outside the boundaries of the site. However, the Project would result in a greater intensity of land uses on the site, including medical and assisted living uses that would require emergency vehicles to visit on a regular basis. Therefore, the emergency access for the Project site and adjacent areas will be further evaluated in the Draft EIR.

Project with Building A Residential/Commercial

As discussed for the Project above, because the Project with Building A Residential/Commercial would have the same site plan as the Project, including circulation, there would be no alterations to the configuration of existing public or private roadways outside the boundaries of the site. However, the Project with Building A Residential/Commercial would result in a greater intensity of land uses on the site, including assisted living uses that may require emergency vehicles to visit on a regular basis. Therefore, the emergency access for the Project site and adjacent areas will be further evaluated in the Draft EIR.

2.18 TRIBAL CULTURAL RESOURCES

	Potentially Significant Impact	Less than Significant with Mitigation	Less than Significant Impact	No Impact
Would the project:				
a) Cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code Section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe, and that is:				
i) Listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources as defined in Public Resources Code Section 5020.1(k)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

WHY?**Project**

The Project is subject to compliance with AB 52, which requires consideration of impacts to “tribal cultural resources”, defined in Section 21074 of the *Public Resources Code*, as part of the CEQA process. AB 52 requires the City to notify any groups (who have requested notification) who are traditionally or culturally affiliated with the geographic area of a project for which a Negative Declaration, Mitigated Negative Declaration, or an EIR is required pursuant to CEQA. The AB 52 process was initiated in May 2020, and this consultation process remains ongoing at the time this IS was circulated. Therefore, the potential for the Project to cause a substantial adverse change to a listed or eligible tribal cultural resource will be further evaluated in the Draft EIR.

Project with Building A Residential/Commercial

As discussed for the Project above, the AB 52 process for site development was initiated in May 2020 and is ongoing. Because the location and scale of proposed buildings and subterranean parking structure would be the same, the results of the consultation would apply equally to both development scenarios. Therefore, the potential for the Project with Building A Residential/Commercial to cause a substantial adverse change to a listed or eligible tribal cultural resource will be further evaluated in the Draft EIR.

	Potentially Significant Impact	Less than Significant with Mitigation	Less than Significant Impact	No Impact
Would the project:				
a) Cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code Section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe, and that is:				
ii) A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Public Resources Code Section 5024.1. In applying the criteria set forth in subdivision (c) of Public Resources Code Section 5024.1, the lead agency shall consider the significance of the resource to a California Native American tribe?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

WHY?

Project

As discussed under Threshold 2.18(a), the AB 52 process was initiated in May 2020 and remains ongoing. Therefore, the potential for the Project to cause a substantial adverse change to a significant tribal cultural resource will be further evaluated in the Draft EIR.

Project with Building A Residential/Commercial

As discussed for the Project above, the AB 52 process for site development was initiated in May 2020 and is ongoing. Because the location and scale of proposed buildings and subterranean parking structure would be the same, the results of the consultation would apply equally to both development scenarios. Therefore, the potential for the Project with Building A Residential/Commercial to cause a substantial adverse change to a significant tribal cultural resource will be further evaluated in the Draft EIR.

2.19 UTILITIES AND SERVICE SYSTEMS

	Potentially Significant Impact	Less than Significant with Mitigation	Less than Significant Impact	No Impact
Would the project:				
a) Require or result in the relocation or construction of new or expanded water, wastewater treatment or storm water drainage, electric power, natural gas, or telecommunications facilities the construction or relocation of which could cause significant environmental effects?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

WHY?**Project**

The Project would increase demand for potable water, electricity, natural gas, and telecommunications facilities and would increase the generation of wastewater. Potential impacts related to the need for new or expanded water, wastewater, and dry utilities whose construction could result in environmental impacts will be further evaluated in the Draft EIR.

As discussed in Section 2.10, Hydrology and Water Quality, the Hydrology Study prepared for the Project determined that there would be a decrease in storm water runoff volumes due to the infiltration of LID design, either infiltration or biofiltration, consistent with City and County requirements. Therefore, implementation of the Project would not result in the relocation or construction of new or expanded storm drainage infrastructure beyond that constructed on the site as part of the Project. This issue will not be further evaluated in the Draft EIR.

Project with Building A Residential/Commercial

As discussed for the Project above, the Project with Building A Residential/Commercial would increase demand for potable water, electricity, natural gas, and telecommunications facilities and would increase the generation of wastewater. Potential impacts related to the need for new or expanded water, wastewater, and dry utilities whose construction could result in environmental impacts will be further evaluated in the Draft EIR.

As discussed in Section 2.10, Hydrology and Water Quality, the Hydrology Study prepared for the Project determined that there would be a decrease in storm water runoff volumes due to the infiltration of LID design, either infiltration or biofiltration, consistent with City and County requirements. The Project with Building A Residential/Commercial would implement the same LID features to manage storm water runoff as the Project. Therefore, implementation of the Project with Building A Residential/Commercial would not result in the relocation or construction of new or expanded storm drainage infrastructure beyond that constructed on the site as part of the Project. This issue will not be further evaluated in the Draft EIR.

	Potentially Significant Impact	Less than Significant with Mitigation	Less than Significant Impact	No Impact
Would the project:				
b) Have sufficient water supplies available to serve the project and reasonably foreseeable future development during normal, dry and multiple dry years?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

WHY?**Project**

The Project would increase demand for potable water. The PWP has concluded the Project does not meet the thresholds to require a Water Supply Assessment pursuant to SB 610 (Sections 10910 et. seq. of the California Water Code) (Dion 2020). However, potential impacts related to the sufficiency of water supplies for the Project will be further evaluated in the Draft EIR.

Project with Building A Residential/Commercial

As discussed for the Project above, the Project with Building A Residential/Commercial would increase demand for potable water. The PWP has concluded that this scenario also does not need the thresholds to require a Water Supply Assessment. Potential impacts related to the sufficiency of water supplies for the Project with Building A Residential/Commercial will be further evaluated in the Draft EIR.

	Potentially Significant Impact	Less than Significant with Mitigation	Less than Significant Impact	No Impact
Would the project:				
c) Result in a determination by the wastewater treatment provider which serves or may serve the Project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

WHY?**Project**

The Project would increase the generation of wastewater. Wastewater from the City of Pasadena is treated by the Sanitation Districts of Los Angeles County (Sanitation Districts) at the San Jose Creek Water Reclamation Plant (WRP) next to the City of Whittier, Whittier Narrows WRP in the City of El Monte, and/or the Los Coyotes WRP in the City of Cerritos (Pasadena 2015a). Potential impacts to Sanitation Districts' facilities from the Project will be further evaluated in the Draft EIR.

Project with Building A Residential/Commercial

As discussed for the Project above, the Project with Building A Residential/Commercial would increase generation of wastewater. Potential impacts to Sanitation Districts' facilities from the Project with Building A Residential/Commercial will be further evaluated in the Draft EIR.

	Potentially Significant Impact	Less than Significant with Mitigation	Less than Significant Impact	No Impact
Would the project:				
d) Generate solid waste in excess of State or local standards, or in excess of the capacity of local infrastructure, or otherwise impair the attainment of solid waste reduction goals?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e) Comply with federal, State, and local management and reduction statutes and regulations related to solid waste?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

WHY?

Project

Construction of the Project would generate a finite volume of waste. Section 8.62 et. seq. of the PMC is the City's construction and C&D ordinance. The Project would be subject to the C&D ordinance and therefore required to divert at least 75 percent of the construction waste stream from landfill disposal. Operation of the Project would result in increased long-term generation of municipal (non-hazardous) solid waste and biowaste. Potential impacts related to landfill space, biowaste disposal, and compliance with applicable solid waste regulations will be further evaluated in the Draft EIR.

Project with Building A Residential/Commercial

As discussed for the Project above, construction of the Project with Building A Residential/Commercial would generate a finite volume of waste that would be essentially the same as the Project. Construction of this development scenario would also be subject to the City's C&D ordinance to reduce the construction waste stream. Operation of the Project with Building A Residential/Commercial would result in increased long-term generation of municipal (non-hazardous) solid waste and biowaste. This development scenario would generate relatively more municipal waste and relatively less biowaste than the Project. Potential impacts related to landfill space, biowaste disposal, and compliance with applicable solid waste regulations will be further evaluated in the Draft EIR.

2.20 WILDFIRE

	Potentially Significant Impact	Less than Significant with Mitigation	Less than Significant Impact	No Impact
If located in or near State Responsibility Areas or lands classified as Very High Fire Hazard Severity Zones, would the project:				
a) Substantially impair an adopted emergency response plan or emergency evacuation plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Due to slope, prevailing winds, and other factors, exacerbate wildfire risks, and thereby expose project occupants to, pollutant concentrations from a wildfire or the uncontrolled spread of a wildfire?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Require the installation or maintenance of associated infrastructure (such as roads, fuel breaks, emergency water sources, power lines or other utilities) that may exacerbate fire risk or that may result in temporary or ongoing impacts to the environment?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d) Expose people or structures to significant risks, including downslope or downstream flooding or landslides, as a result of runoff, post-fire slope instability, or drainage changes?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

WHY?**Project**

The Project site and surrounding area is not within or near State Responsibility Areas or a VHFHSZ (CAL FIRE 2020). Implementation of the Project would not expose people or structures to wildfire risks. This issue will not be further evaluated in the Draft EIR.

Project with Building A Residential/Commercial

As discussed for the Project above, the Project site is not within a VHFHSZ. This issue will not be further evaluated in the Draft EIR.

2.21 EARLIER ANALYSIS

Earlier analysis may be used where, pursuant to the tiering, program EIR, or other CEQA process, an effect has been adequately analyzed in a prior EIR or negative declaration. See CEQA Guidelines Section 15063(c)(3)(D). The EIR is not tiered from a previous CEQA document. All documents used in the preparation of this IS are provided in Section 3.0, Initial Study Reference Documents.

2.22 MANDATORY FINDINGS OF SIGNIFICANCE

	Potentially Significant Impact	Less than Significant with Mitigation	Less than Significant Impact	No Impact
Does the project:				
a) Have the potential to substantially degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, substantially reduce the number or restrict the range of rare or endangered plant or animal, or eliminate important examples of the major periods of California history or prehistory?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

WHY?

Project

As discussed in Section 2.4, Biological Resources, the Project would not significantly impact biological resources. The Project site is fully developed and highly disturbed, with minimal, ornamental vegetation on the site. The Project would not degrade the quality of the environment; would not substantially reduce the habitat of fish or wildlife species; would not cause a fish or wildlife population to drop below self-sustaining levels; would not threaten to eliminate a plant or animal community; and would not reduce the number of or restrict the range of a Rare or Endangered plant or animal.

As discussed in Section 2.5, Cultural Resources, and Section 2.18, Tribal Cultural Resources, the potential for the Project to impact the on-site historic resources and unknown historic (buried), archaeological, tribal cultural, and/or paleontological resources will be further evaluated in the Draft EIR.

Project with Building A Residential/Commercial

As discussed in Section 2.4, Biological Resources, the Project with Building A Residential/Commercial would not significantly impact biological resources. The Project site is fully developed and highly disturbed, with minimal, ornamental vegetation on the site. The Project with Building A Residential/Commercial would not degrade the quality of the environment; would not substantially reduce the habitat of fish or wildlife species; would not cause a fish or wildlife population to drop below self-sustaining levels; would not threaten to eliminate a plant or animal community; and would not reduce the number of or restrict the range of a Rare or Endangered plant or animal.

As discussed in Section 2.5, Cultural Resources, and Section 2.18, Tribal Cultural Resources, the potential for the Project with Building A Residential/Commercial to impact the on-site historic resources and unknown historic (buried), archaeological, tribal cultural, and/or paleontological resources will be further evaluated in the Draft EIR.

	Potentially Significant Impact	Less than Significant with Mitigation	Less than Significant Impact	No Impact
Would the project:				
b) Have impacts that are individually limited, but cumulatively considerable? ("Cumulatively considerable" means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

WHY?**Project**

Within the City of Pasadena, there are planned, ongoing, and proposed projects that may cumulatively increase environmental impacts in the Project area. These impacts are potentially significant and will be further evaluated in the Draft EIR. The Draft EIR will evaluate cumulative impacts for the Project based on buildout of the City's General Plan as the basis of growth projections.

Project with Building A Residential/Commercial

As discussed for the Project above, the Draft EIR will evaluate cumulative impacts for the Project with Building A Residential/Commercial based on buildout of the City's General Plan as the basis of growth projections.

	Potentially Significant Impact	Less than Significant with Mitigation	Less than Significant Impact	No Impact
Would the project:				
c) Have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

WHY?**Project**

Construction and operation of the Project could have the potential to generate significant adverse impacts on human beings, either directly or indirectly. The Draft EIR will provide analyses of the potential impacts related to air quality, cultural resources, paleontological resources, energy, greenhouse gas emissions, hazards and hazardous materials, land use and planning, noise, public services and recreation, transportation, tribal cultural resources, and utility and service systems.

Project with Building A Residential/Commercial

Construction and operation of the Project with Building A Residential/Commercial could have the potential to generate significant adverse impacts on human beings, either directly or indirectly. The Draft EIR will provide analyses of the potential impacts related to air quality, cultural and paleontological resources,

energy, greenhouse gas emissions, hazards and hazardous materials, land use and planning, noise, public services and recreation, transportation, tribal cultural resources, and utility and service systems.

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DEPARTMENT OF TRANSPORTATION

DISTRICT 7 – Office of Regional Planning

100 S. MAIN STREET, MS 16

LOS ANGELES, CA 90012

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*Making Conservation
a California Way of Life.*

August 30, 2021

Jason Van Patten
City of Pasadena
175 N. Garfield Avenue
Pasadena, CA 91101

RE: Planned Development #39 (Affinity Project)
– Notice of Preparation of an Environmental
Impact Report (NOP)
SCH # 2021080103
GTS # 07-LA-2021-03677
Vic. LA-710/PM: T31.757

Dear Jason Van Patten:

Thank you for including the California Department of Transportation (Caltrans) in the environmental review process for the above referenced NOP. The Project involves demolishing six buildings totaling 45,912 square feet (sf) and constructing two new buildings. Building A would be a 154,000 sf, 7-story medical office building with ground-floor commercial uses. Building B would be a 184,376 sf, 7-story building with 85,800 sf of assisted living uses and 98,576 sf of independent living uses, including up to 95 senior housing units. There would also be five subterranean levels providing up to 850 parking spaces. In addition, the project would enable the flexibility to alter the uses in Building A to provide different amounts of commercial, residential, and parking uses. Although the project does not expect to alter the uses in Building A, this flexibility will allow the project to respond to the economic needs and demands of the City at the time of project implementation. The City of Pasadena is the Lead Agency under the California Environmental Quality Act (CEQA).

The project is located approximately .6 miles away from State Route 110 (SR-110), and approximately 5,200 feet away from where the Interstate 210 (I-210), State Route 134 (SR-134), and Interstate 710 (I-710) meet. From reviewing the NOP, Caltrans has the following comments.

Caltrans looks forward to reviewing the Vehicle Miles Traveled (VMT) analysis for this project. For information on determining transportation impacts in terms of VMT on the State Highway System, see the *Technical Advisory on Evaluating Transportation Impacts in CEQA* by the California Governor's Office of Planning and Research (OPR), dated December 2018: http://opr.ca.gov/docs/20190122-743_Technical_Advisory.pdf. The City can also refer to Caltrans' updated *Vehicle Miles Traveled-Focused Transportation Impact Study Guide* (TISG), dated May 2020 and released on Caltrans' website in July 2020: <https://dot.ca.gov/-/media/dot-media/programs/transportation-planning/documents/sb-743/2020-05-20-approved-vmt-focused-tisg-a11y.pdf>. Caltrans' new TISG is largely based on the OPR 2018 Technical Advisory.

Note that the updated TISG states, "Additional future guidance will include the basis for requesting transportation impact analysis that is not based on VMT. This guidance will include a simplified safety analysis approach that reduces risks to all road users and that focuses on multi-modal conflict analysis as

well as access management issues.” Since releasing the TISG, Caltrans has released interim safety analysis guidance, dated December 2020 and found here, for the City’s reference: <https://dot.ca.gov/-/media/dot-media/programs/transportation-planning/documents/sb-743/2020-12-22-updated-interim-lidgr-safety-review-guidance-a11y.pdf>.

The following information is included for your consideration. The mission of Caltrans is to provide a safe and reliable transportation network that serves all people and respects the environment. Furthermore, Caltrans encourages Lead Agencies to implement Transportation Demand Management (TDM) strategies that reduce VMT and Greenhouse Gas (GHG) emissions. A TDM strategy that the City should consider for this project is keeping vehicle parking to a minimum, since research has shown that surplus parking can induce VMT.

Also, any transportation of heavy construction equipment and/or materials which requires use of oversized-transport vehicles on State highways will need a Caltrans transportation permit. Caltrans recommends that the project limit construction traffic to off-peak periods to minimize the potential impact on State facilities. If construction traffic is expected to cause issues on any State facilities, please submit a construction traffic control plan detailing these issues for Caltrans’ review.

If you have any questions about these comments, please contact Emily Gibson, the project coordinator, at Emily.Gibson@dot.ca.gov, and refer to GTS # 07-LA-2021-03677.

Sincerely,

Frances Duong for

MIYA EDMONSON
IGR/CEQA Branch Chief

cc: Scott Morgan, State Clearinghouse



**LOS ANGELES COUNTY
SANITATION DISTRICTS**
Converting Waste Into Resources

Robert C. Ferrante

Chief Engineer and General Manager

1955 Workman Mill Road, Whittier, CA 90601-1400
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September 1, 2021

Ref. DOC 6272497

Jason Van Patten, Senior Planner
City of Pasadena
Planning and Community Development Department
175 North Garfield Avenue
Pasadena, CA 91101

Dear Mr. Van Patten:

NOP Response for Affinity Project

The Los Angeles County Sanitation Districts (Districts) received a Notice of Preparation (NOP) of a Draft Environmental Impact Report for the subject project on August 5, 2021. The proposed project is located within the jurisdictional boundary of District No. 16. We offer the following comments regarding sewerage service:

1. The wastewater flow originating from the proposed project will discharge to local sewer lines, which are not maintained by the Districts, for conveyance to either or both the Districts' Arroyo Seco Section 4 Trunk Sewer, located in the northern terminus of Garfield Avenue at Hardison Place, or Arroyo Seco Section 5 Trunk Sewer, also located in the northern terminus of Garfield Avenue at Hardison Place. The Districts' 21-inch diameter Arroyo Seco Section 4 Trunk Sewer has a capacity of 69.0 million gallons per day (mgd) and conveyed a peak flow of 2.1 mgd when last measured in 2015. The Districts' 16-inch diameter Arroyo Seco Section 5 Trunk Sewer has a capacity of 4.3 mgd and conveyed a peak flow of 0.4 mgd when last measured in 2015.
2. The wastewater generated by the proposed project will be treated at the Whittier Narrows Water Reclamation Plant (WRP) located near the City of South El Monte, which has a capacity of 15.0 mgd and currently processes an average flow of 9.9 mgd, or at the Los Coyotes WRP located in the City of Cerritos, which has a capacity of 37.5 mgd and currently processes an average flow of 21.3 mgd.
3. The expected average wastewater flow from the project site, described in the NOP and Initial Study as a 154,000 square feet (sf) medical office or a 197-unit apartment with 3,000 sf commercial uses; a 85,800 sf of assisted living uses; a 95-unit apartment, but no more than 289 units in the entire project site; and a total of 5,882 sf of restaurant uses, is 92,642 gallons per day (gpd). For a copy of the Districts' average wastewater generation factors, go to www.lacsd.org, under Services, then Wastewater Program and Permits, select Will Serve Program, and scroll down to click on the [Table 1, Loadings for Each Class of Land Use](#) link.
4. The Districts are empowered by the California Health and Safety Code to charge a fee to connect facilities (directly or indirectly) to the Districts' Sewerage System or to increase the strength or quantity of wastewater discharged from connected facilities. This connection fee is a capital facilities fee that is used by the Districts to upgrade or expand the Sewerage System. Payment of a connection fee may be required before this project is permitted to discharge to the Districts' Sewerage System. For more information and a copy of the Connection Fee Information Sheet, go to www.lacsd.org, under Services, then Wastewater (Sewage) and select Rates & Fees. In determining the impact to the Sewerage System and applicable connection fees, the

Districts will determine the user category (e.g. Condominium, Single Family home, etc.) that best represents the actual or anticipated use of the parcel(s) or facilities on the parcel(s) in the development. For more specific information regarding the connection fee application procedure and fees, the developer should contact the Districts' Wastewater Fee Public Counter at (562) 908-4288, extension 2727.

5. In order for the Districts to conform to the requirements of the Federal Clean Air Act (CAA), the capacities of the Districts' wastewater treatment facilities are based on the regional growth forecast adopted by the Southern California Association of Governments (SCAG). Specific policies included in the development of the SCAG regional growth forecast are incorporated into clean air plans, which are prepared by the South Coast and Antelope Valley Air Quality Management Districts in order to improve air quality in the South Coast and Mojave Desert Air Basins as mandated by the CCA. All expansions of Districts' facilities must be sized and service phased in a manner that will be consistent with the SCAG regional growth forecast for the counties of Los Angeles, Orange, San Bernardino, Riverside, Ventura, and Imperial. The available capacity of the Districts' treatment facilities will, therefore, be limited to levels associated with the approved growth identified by SCAG. As such, this letter does not constitute a guarantee of wastewater service, but is to advise the developer that the Districts intend to provide this service up to the levels that are legally permitted and to inform the developer of the currently existing capacity and any proposed expansion of the Districts' facilities.

If you have any questions, please contact the undersigned at (562) 908-4288, extension 2743 or at mandyng@lacsdc.org.

Very truly yours,

Mandy Ng

Mandy Ng
Environmental Planner
Facilities Planning Department

MMN:mmn



Metro

September 3, 2021

Jason Van Patten
City of Pasadena
Planning and Community Development Department
175 North Garfield Avenue
Pasadena, CA 91101
Sent by Email: jvanpatten@cityofpasadena.net

RE: Affinity Project – 465 and 577 South Arroyo Parkway
Notice of Preparation of Environmental Impact Report (EIR)

Dear Mr. Van Patten:

Thank you for coordinating with the Los Angeles County Metropolitan Transportation Authority (Metro) regarding the proposed Affinity Project (Project) located at 465 and 577 South Arroyo Parkway in the City of Pasadena (City). Metro is committed to working with local municipalities, developers, and other stakeholders across Los Angeles County on transit-supportive developments to grow ridership, reduce driving, and promote walkable neighborhoods. Transit Oriented Communities (TOCs) are places (such as corridors or neighborhoods) that, by their design, allow people to drive less and access transit more. TOCs maximize equitable access to a multi-modal transit network as a key organizing principle of land use planning and holistic community development.

Per Metro's area of statutory responsibility pursuant to sections 15082(b) and 15086(a) of the Guidelines for Implementation of the California Environmental Quality Act (CEQA: Cal. Code of Regulations, Title 14, Ch. 3), the purpose of this letter is to provide the City with specific detail on the scope and content of environmental information that should be included in the Environmental Impact Report (EIR) for the Project. In particular, this letter outlines topics regarding the Project's potential impacts on the Metro L Line (Gold) facilities and services which should be analyzed in the EIR, and provides recommendations for mitigation measures as appropriate. Effects of a project on transit systems and infrastructure are within the scope of transportation impacts to be evaluated under CEQA.¹

In addition to the specific comments outlined below, Metro is providing the City and Applicant with the Metro Adjacent Development Handbook (attached), which provides an overview of common concerns for development adjacent to Metro right-of-way (ROW) and transit facilities, available at <https://www.metro.net/devreview>.

Project Description

The Project includes demolition of six existing buildings located at 491, 495, 499, 503, 541, and 577 South Arroyo Parkway and construction of one 7-story assisted living building and one 7-story medical office building with ground floor commercial. The project is proposing a total of five subterranean levels providing up to 850 parking spaces.

¹ See CEQA Guidelines section 15064.3(a); Governor's Office of Planning and Research Technical Advisory on Evaluating Transportation Impacts In CEQA, December 2018, p. 19.

Recommendations for EIR Scope and Content

Light Rail Adjacency

1. Rail Operations: The Metro L Line (Gold) currently operates weekday peak service as often as every six minutes in both directions. Trains may operate in and out of revenue service, 24 hours a day, seven days a week, in the ROW adjacent to the Project.
2. Impact Analysis: Due to the Project's proximity to the L Line (Gold) ROW, the EIR must analyze potential effects on light rail operations and identify mitigation measures as appropriate. Critical impacts to be studied should include (without limitation): impacts of Project construction and operation on and potential damage to the structural and systems integrity of tracks and related infrastructure; disruption to light rail service. Specific impacts and mitigation measures that should be studied include:
 - a. Disturbance to Light Rail Structural Support: The Project includes excavation and construction of underground structures. Tiebacks supporting these structures have the potential to disturb adjoining soils and jeopardize support of the light rail tracks.

Recommended mitigation measures:

- i. Technical Review: The Applicant shall submit engineering drawings and calculations, as well as construction work plans and methods, to evaluate any impacts to the Metro L Line (Gold) infrastructure in relationship to the Project. Before issuance of any building permit for the Project, the Applicant shall obtain Metro's approval of final construction plans.
- ii. Structure Setback: Where the Project site is immediately adjacent to Metro ROW, all building structures (above ground and below grade) and projections shall be set back at least five (5) feet from the property line shared by the Project property and Metro to allow adequate space for construction and property maintenance activities. Property owners will generally not be permitted to access Metro property to construct or maintain private development and/or landscaping, except as approved as indicated in paragraphs 3.d and 3.e below.
- iii. Construction Safety: The construction and operation of the Project shall not disrupt the operation and maintenance activities of the Metro L Line (Gold) or the structural and systems integrity of Metro's light rail infrastructure. Not later than one month before Project construction, the Applicant shall contact Metro to schedule a pre-construction meeting with all Project construction personnel and Metro Real Estate, Construction Management, and Construction Safety staff. During Project construction, the Applicant shall:
 1. Construct a protection barrier to prevent objects, material, or debris from falling onto the ROW;
 2. Notify Metro of any changes to demolition and construction activities that may impact the use of the ROW;
 3. Permit Metro staff to monitor demolition and construction activities to ascertain any impact to the L Line (Gold) ROW.
- b. Overhead Catenary System (OCS) Setback: Overhead catenary wires and support structures adjacent to the Project power Metro trains. OCS wires should be treated like any high voltage electrical utility wires. The Project's structures, including protrusions that face the ROW (e.g.

balconies, awnings and other appurtenances), are proposed to be in close proximity to the OCS and can pose an electrocution hazard during Project construction and operation.

Recommended mitigation measures:

- i. Technical Review: The Applicant shall submit engineering drawings and calculations, as well as construction work plans and methods including any crane placement and radius, to evaluate any impacts to the Metro L Line (Gold) infrastructure in relationship to the Project. Before issuance of any building permit for the Project, the Applicant shall obtain Metro's approval of final construction plans.
 - ii. OCS Protection: The Applicant shall take all necessary measures to protect the OCS from damage due to Project activities during and after construction, pursuant to applicable California Department of Industrial Relations regulations (Cal. Code of Regulations, Title 8). The Applicant shall post proper signage for equipment working around the OCS wires.
 - iii. Setback: Any building protrusions facing the ROW (e.g. balconies, awnings and other appurtenances), as well as landscaping shall be set back at least ten (10) feet from the OCS wires and support structures.
 - iv. Construction Safety: The construction and operation of the Project shall not disrupt the operation and maintenance activities of the Metro L Line (Gold) or the structural and systems integrity of Metro's light rail infrastructure. Not later than one month before Project construction, the Applicant shall contact Metro to schedule a pre-construction meeting with all Project construction personnel and Metro Real Estate, Construction Management, and Construction Safety staff. During Project construction, the Applicant shall:
 1. Work in close coordination with Metro to ensure that Station access, visibility, and structural integrity are not compromised by construction activities or permanent build conditions;
 2. Construct a protection barrier to prevent objects, material, or debris from falling onto the ROW;
 3. Notify Metro of any changes to demolition and construction activities that may impact the use of the ROW;
 4. Permit Metro staff to monitor demolition and construction activities to ascertain any impact to Metro L Line (Gold);
 5. Apply for and obtain approval from Metro for any special operations, including the use of a pile driver or any other equipment that could come into close proximity to the OCS or support structures, not later than one month before the start of Project construction.
3. Advisories to Applicant: The Applicant is encouraged to contact Metro Development Review early in the design process to address potential impacts. The Applicant should also be advised of the following:
- a. Occupational Safety and Health Administration (OSHA) Requirements: Demolition, construction and/or excavation work in proximity to Metro ROW with potential to damage light rail tracks and related infrastructure may be subject to additional OSHA safety requirements.
 - b. Technical Review: Metro charges for staff time spent on engineering review and construction monitoring.

- c. ROW Entry Permit: For temporary or ongoing access to Metro ROW for demolition, construction, and/or maintenance activities, the Applicant shall complete Metro's Track Allocation process with Metro Rail Operations and obtain a Right of Entry Permit from Metro Real Estate. Approval for single tracking or a power shutdown, while possible, is highly discouraged; if sought, the Applicant shall apply for and obtain such approval from Metro not later than two months before the start of Project construction.
- d. Cost of Impacts: The Applicant will be responsible for costs incurred resulting from Project construction/operation issues that cause delay or harm to Metro service delivery or infrastructure, including single-tracking or bus bridging around closures. The Applicant will also bear all costs for any noise mitigation required for the Project.
- e. Maintenance: Metro will require prompt removal of graffiti and trash along the concrete block wall and landscaped area adjacent to Metro ROW. For these and other maintenance activities that will require access to Metro property, the Applicant must obtain a Temporary Right of Entry Permit before accessing property and coordinate activities through Rail Operations Track Allocation process, as discussed above.

Transit Supportive Planning: Recommendations and Resources

Considering the Project's proximity to Fillmore Station, Metro would like to identify the potential synergies associated with transit-oriented development:

1. Transit Oriented Development (TOD) Planning Grant: The City is a recipient of Metro's TOD Planning Grant in support of updates to several Specific Plans. The TOD Planning Grant's objective is to develop and adopt transit-supportive regulations that promote equitable, sustainable, and transit-supportive planning to increase transit ridership. One of the plans to be updated is the Central District Specific Plan (Specific Plan Update), which encompasses the Project site. The City should encourage alignment and evaluate the Project's consistency with the Specific Plan Update including the proposed policies, development standards, and implementation measures.
2. Transit Supportive Planning Toolkit: Metro strongly recommends that the Applicant review the Transit Supportive Planning Toolkit which identifies 10 elements of transit-supportive places and, applied collectively, has been shown to reduce vehicle miles traveled by establishing community-scaled density, diverse land use mix, combination of affordable housing, and infrastructure projects for pedestrians, bicyclists, and people of all ages and abilities. This resource is available at <https://www.metro.net/about/funding-resources/>.
3. Land Use: Metro supports development of commercial and residential properties near transit stations and understands that increasing development near stations represents a mutually beneficial opportunity to increase ridership and enhance transportation options for the users of developments. Metro encourages the City and Applicant to be mindful of the Project's proximity to the Fillmore Station, including orienting pedestrian pathways towards the station.
4. Transit Connections and Access: Metro strongly encourages the Applicant to install Project features that help facilitate safe and convenient connections for pedestrians, people riding bicycles, and transit users to/from the Project site and nearby destinations. The City should consider requiring the installation of such features as part of the conditions of approval for the Project, including:
 - a. Walkability: The provision of wide sidewalks, pedestrian lighting, a continuous canopy of shade trees, enhanced crosswalks with ADA-compliant curb ramps, and other amenities along all public street frontages of the development site to improve pedestrian safety and comfort to access the nearby Fillmore Station.

- b. Bicycle Use and Micromobility Devices: The provision of adequate short-term bicycle parking, such as ground-level bicycle racks, and secure, access-controlled, enclosed long-term bicycle parking for residents, employees, and guests. Bicycle parking facilities should be designed with best practices in mind, including highly visible siting, effective surveillance, ease to locate, and equipment installation with preferred spacing dimensions, so bicycle parking can be safely and conveniently accessed. Similar provisions for micro-mobility devices are also encouraged
 - c. First & Last Mile Access: The Project should address first-last mile connections to transit and is encouraged to support these connections with wayfinding signage inclusive of all modes of transportation. For reference, please review the First Last Mile Strategic Plan, authored by Metro and the Southern California Association of Governments (SCAG), available on-line at: http://media.metro.net/docs/sustainability_path_design_guidelines.pdf.
5. Parking: Metro encourages the incorporation of transit-oriented, pedestrian-oriented parking provision strategies such as the reduction or removal of minimum parking requirements and the exploration of shared parking opportunities. These strategies could be pursued to reduce automobile-orientation in design and travel demand.
6. Wayfinding: Any temporary or permanent wayfinding signage with content referencing Metro services or featuring the Metro brand and/or associated graphics (such as Metro Bus or Rail pictograms) requires review and approval by Metro Signage and Environmental Graphic Design.
7. Transit Pass Programs: Metro would like to inform the Applicant of Metro's employer transit pass programs, including the Annual Transit Access Pass (A-TAP), the Employer Pass Program (E-Pass), and Small Employer Pass (SEP) Program. These programs offer efficiencies and group rates that businesses can offer employees as an incentive to utilize public transit. The A-TAP can also be used for residential projects. For more information on these programs, please visit the programs' website at <https://www.metro.net/riding/eapp/>.

If you have any questions regarding this letter, please contact me by phone at 213-922-2671, by email at DevReview@metro.net, or by mail at the following address:

Metro Development Review
One Gateway Plaza
MS 99-22-1
Los Angeles, CA 90012-2952

Sincerely,



Shine Ling, AICP
Manager, Transit Oriented Communities

Attachments and links:

- Adjacent Development Handbook: <https://www.metro.net/devreview>

Los Angeles County
Metropolitan Transportation Authority

METRO ADJACENT DEVELOPMENT HANDBOOK

A GUIDE FOR CITIES AND DEVELOPERS

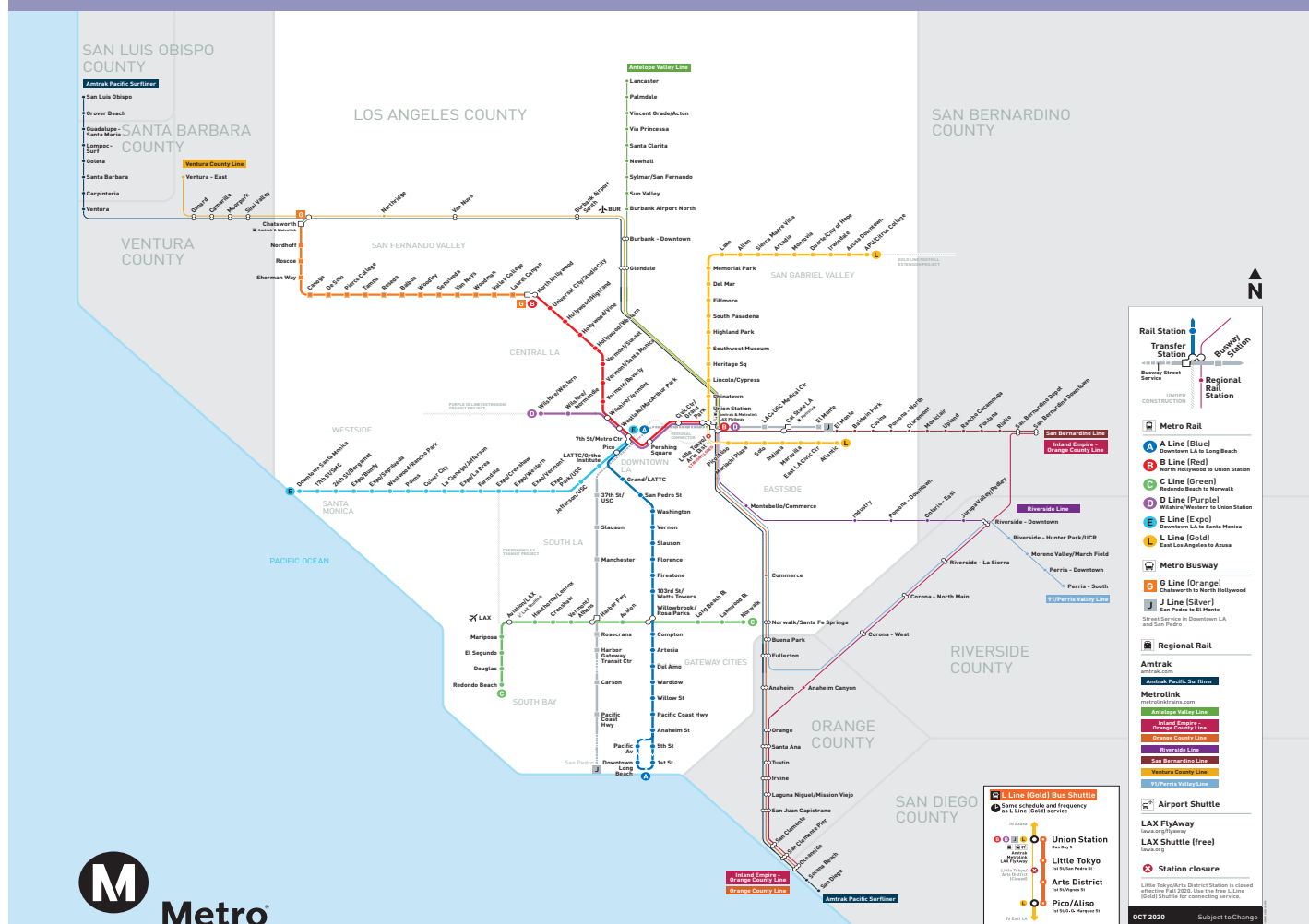
February 2021



Metro and Regional Rail Map

Metro & Regional Rail

metro.net
pacificsurfliner.com
metrolinktrains.com



Metro is currently undertaking the largest rail infrastructure expansion effort in the United States. A growing transit network presents new opportunities to catalyze land use investment and shape livable communities.

Table of Contents

Quick Overview	1
Background	2
Metro Purview & Concerns	4
Metro Coordination Process	6
Best Practices	8
1. Site Plan & Conceptual Design	11
1.1 Supporting Transit Oriented Communities	12
1.2 Enhancing Access to Transit	13
1.3 Building Setback	14
1.4 Overhead Catenary System (OCS) Clearance	15
1.5 Underground Station Portal Clearance	16
1.6 Shared Barrier Construction & Maintenance	17
1.7 Project Orientation & Noise Mitigation	18
1.8 At-Grade Rail Crossings	19
1.9 Sight-Lines at Crossings	20
1.10 Driveway/Access Management	21
1.11 Bus Stop & Zones Design	22
2. Engineering & Technical Review	25
2.1 Excavation Support System Design	26
2.2 Proximity to Tunnels	27
2.3 Protection from Explosion/Blast	28
3. Construction Safety & Management	31
3.1 Pre-Construction Coordination	32
3.2 Track Access and Safety	33
3.3 Construction Hours	34
3.4 Excavation/Drilling Monitoring	35
3.5 Crane Operations	36
3.6 Construction Barriers & Overhead Protection	37
3.7 Pedestrian & Emergency Access	38
3.8 Impacts to Bus Routes & Stops	39
3.9 Utility Coordination	40
3.10 Air Quality & Ventilation Protection	41
Glossary	42



Quick Overview

Purpose of Handbook

The Metro Adjacent Development Handbook (Handbook) is intended to provide information and guide coordination for projects adjacent to, below, or above Metro transit facilities (e.g. right-of-way, stations, bus stops) and services.

Overarching Goal

By providing information and encouraging early coordination, Metro seeks to reduce potential conflicts with transit services and facilities, and identify potential synergies to expand mobility and improve access to transit.

Intended Audience

The Handbook is a resource for multiple stakeholder groups engaged in the development process, including:

- Local jurisdictions who review, entitle, and permit development projects,
- Developers,
- Property owners,
- Architects, engineers, and other technical consultants,
- Builders/contractors,
- Utility companies, and
- other Third Parties.

Handbook Content

The Handbook includes:

- **Introduction** of Metro's Development Review coordination process, common concerns, and typical stages of review.
- **Information** on best practices during three key coordination phases to avoid potential conflicts or create compatibility with the Metro transit system:
 - Planning & Conceptual Design,
 - Engineering & Technical Review, and
 - Construction Safety & Monitoring.
- **Glossary** with definitions for key terms used throughout the Handbook.

RULE OF THUMB: 100 FEET

Metro's Development Review process applies to projects that are within 100 feet of Metro transit facilities.

While the Handbook summarizes key concerns and best practices for adjacency conditions, it does not replace Metro's technical requirements and standards.

Prior to receiving approval for any construction activities adjacent to, above, or below Metro facilities, Third Parties must comply with the Metro Adjacent Construction Design Manual, available on Metro's website.

Contact Us

For questions, contact the Development Review Team:

- Email: devreview@metro.net
- Phone: 213.418.3484
- Online In-take Form: <https://jpropublic.metro.net/in-take-form>

Additional Information & Resources

- Metro Development & Construction Coordination website:
<https://www.metro.net/devreview>
- Metro GIS/KML ROW Files:
<https://developer.metro.net/portfolio-item/metro-right-of-way-gis-data>
- Metrolink Standards and Procedures:
<https://www.metrolinktrains.com/about/agency/engineering--construction>

Metro will continue to revise the Handbook, as needed, to reflect updates to best practices in safety, operations, and transit-supportive development.

Background

Who is Metro?

The Los Angeles County Metropolitan Transportation Authority (Metro) plans, funds, builds, and operates rail, bus, and other mobility services (e.g. bikeshare, microtransit) throughout Los Angeles County (LA County). On average, Metro moves 1.3 million people each day on buses and trains. With funding from the passage of Measure R (2008) and Measure M (2016), the Metro system is expanding. Over the next 40 years, Metro will build over 60 new stations and over 100 miles of transit right-of-way (ROW). New and expanded transit lines will improve mobility across LA County, connecting riders to more destinations and expanding opportunities for development that supports transit ridership. Metro facilities include:



Metro Rail: Metro operates heavy rail (HRT) and light rail (LRT) transit lines in underground tunnels, along streets, off-street in dedicated ROW, and above street level on elevated structures. Heavy rail trains are powered by a “third rail” along the tracks. Light rail vehicles are powered by overhead catenary systems (OCS). To support rail operations, Metro owns and maintains traction power substations (TPSS), maintenance yards, and other infrastructure.



Metrolink/Regional Rail: Metro owns a majority of the ROW within LA County on which the Southern California Regional Rail Authority (SCRRA) operates Metrolink service. Metrolink is a commuter rail system with seven lines that span 388 miles across five counties, including: Los Angeles, Orange, Riverside, San Bernardino, Ventura, and North San Diego. As a SCRRA member agency and property owner, Metro reviews development activity adjacent to Metro-owned ROW on which Metrolink operates, and coordinates with Metrolink on any comments or concerns. Metrolink has its own set of standards and processes, see link on page 1.



Metro Bus Rapid Transit (BRT): Metro operates accelerated bus transit, which acts as a hybrid between rail and traditional bus service. Metro BRT may operate in a dedicated travel lane within a street or freeway, or off-street along dedicated ROW. Metro BRT stations may be located on sidewalks within the public right-of-way, along a median in the center of streets, or off-street on Metro-owned property.



Metro Bus: Metro operates 170 bus lines across more than 1,400 square miles in LA County. The fleet serves over 15,000 bus stops with approximately 2,000 buses. Metro operates “Local” and “Rapid” bus service within the street, typically alongside vehicular traffic, though occasionally in “bus-only” lanes. Metro bus stops are typically located on sidewalks within the public right-of-way, which is owned and maintained by local jurisdictions. Metro’s [NextGen Bus Plan](#) re-envision bus service across LA County to make service improvements that better serve riders.

Why is Metro interested in adjacent development?

Metro Supports Transit Oriented Communities: Metro is redefining the role of the transit agency by expanding mobility options, promoting sustainable urban design, and helping transform communities throughout LA County. Metro seeks to partner with local, state, and federal jurisdictions, developers, property owners and other stakeholders across LA County on transit-supportive planning and developments to grow ridership, reduce driving, and promote walkable neighborhoods. Transit Oriented Communities (TOCs) are places (such as corridors or neighborhoods) that, by their design, allow people to drive less and access transit more. TOCs maximize equitable access to a multi-modal transit network as a key organizing principle of land use planning and holistic community development.

Adjacent Development Leads to Transit Oriented Communities: Metro supports private development adjacent to transit as this presents a mutually beneficial opportunity to enrich the built environment and expand mobility options. By connecting communities, destinations, and amenities through improved access to public transit, adjacent developments have the potential to:

- reduce auto dependency,
- reduce greenhouse gas emissions,
- promote walkable and bikeable communities that accommodate more healthy and active lifestyles,
- improve access to jobs and economic opportunities, and
- create more opportunities for mobility – highly desirable features in an increasingly urbanized environment.

Opportunity: Acknowledging an unprecedented opportunity to influence how the built environment develops along and around transit and its facilities, Metro has created this document. The Handbook helps ensure compatibility between private development and Metro's transit infrastructure to minimize operational, safety, and maintenance issues. It serves as a crucial first step to encourage early and active collaboration with local stakeholders and identify potential partnerships that leverage Metro initiatives and support TOCs across LA County.



Metro Purview & Concerns

Metro Purview for Review & Coordination

Metro is interested in reviewing development, construction, and utility projects within 100 feet of Metro transit facilities, real estate assets, and ROW – as measured from the edge of the ROW outward – both to ensure the structural safety of existing or planned transit infrastructure and to maximize integration opportunities with adjacent development. The Handbook seeks to:

- Improve communication and coordination between developers, jurisdictions, and Metro.
- Identify common concerns associated with developments adjacent to Metro ROW.
- Highlight Metro operational needs and requirements to ensure safe, continuous service.
- Prevent potential impacts to Metro transit service or infrastructure.
- Maintain access to Metro facilities for riders and operational staff.
- Avoid preventable conflicts resulting in increased development costs, construction delays, and safety impacts.
- Streamline the review process to be transparent, clear, and efficient.
- Assist in the creation of overall marketable and desirable developments.

Key Audiences for Handbook

The Handbook is intended to be used by:

- Local jurisdictions who review, entitle, and permit development projects and/or develop policies related to land use, development standards, and mobility,
- Developers, property owners,
- Architects, engineers, design consultants,
- Builders/contractors,
- Entitlement consultants,
- Environmental consultants,
- Utility companies, and
- other Third Parties.

Metro Assets & Common Concerns for Adjacent Development

The table on the facing page outlines common concerns for development projects and/or construction activities adjacent to Metro transit facilities and assets. These concerns are discussed in greater detail in the following chapters of the Handbook.

METRO ASSETS

COMMON ADJACENCY CONCERNS



UNDERGROUND ROW

Transit operates below ground in tunnels.

- Excavation near tunnels and infrastructure
- Clearance from support structures (e.g. tiebacks, shoring, etc)
- Coordination with utilities
- Clearance from ventilation shafts, surface penetrations (e.g. emergency exits)
- Surcharge loading of adjacent construction
- Explosions
- Noise and vibration/ground movement
- Storm water drainage



AERIAL ROW

Transit operates on elevated guideway, typically supported by columns.

- Excavation near columns and support structures
- Column foundations
- Clearance from OCS
- Overhead protection and crane swings
- Setbacks from property line for maintenance activities to occur without entering ROW
- Coordination with utilities
- Noise reduction (e.g. double-paned windows)



AT-GRADE ROW

Transit operates in dedicated ROW at street level; in some cases tracks are separated from adjacent property by fence or wall.

- Pedestrian and bicycle movements and safety
- Operator site distance/cone of visibility
- Clearance from OCS
- Crane swings and overhead protection
- Trackbed stability
- Storm water drainage
- Noise/vibration
- Driveways near rail crossings
- Setbacks from property line for maintenance activities to occur without entering ROW
- Utility coordination



BUS STOPS

Metro operates bus service on city streets. Bus stops are located on public sidewalks.

- Lane closures and re-routing service during construction
- Temporary relocation of bus stops
- Impacts to access to bus stops



NON-REVENUE/OPERATIONAL

Metro owns and maintains property to support operations (e.g. bus and rail maintenance facilities, transit plazas, traction power substations, park-and-ride parking lots).

- Excavation and clearance from support structures (e.g. tiebacks, shoring, etc)
- Ground movement
- Drainage
- Utility coordination
- Access to property

Metro Coordination Process

Typical Stages of Metro Review and Coordination

Early coordination helps avoid conflicts between construction activities and transit operations and maximizes opportunities to identify synergies between the development project and Metro transit services that are mutually beneficial.



*Phases above may include fees for permits and reimbursement of Metro staff time for review and coordination.

Coordination Goal: Metro encourages developers to consult with the Development Review Team early in the design process to ensure compatibility with transit infrastructure and minimize operational, safety, and maintenance issues with adjacent development. The Development Review team will serve as a case manager to developers and other Third Parties to facilitate the review of plans and construction documents across key Metro departments.

Level of Review: Not all adjacent projects will require significant review and coordination with Metro. The level of review depends on the Project's proximity to Metro, adjacency conditions, and the potential to impact Metro facilities and/or services. For example, development projects that are excavating near Metro ROW or using cranes near transit facilities require a greater level of review and coordination. Where technical review and construction monitoring is needed, Metro charges fees for staff time, as indicated by asterisk in the above diagram.

Permit Clearance: Within the City of Los Angeles, Metro reviews and clears Building & Safety permits for projects within 100 feet of Metro ROW, pursuant to [Zoning Information 1117](#). To ensure timely clearance of these permits, Metro encourages early coordination as noted above.

To begin consultation, submit project information via an online [In-Take Form](#), found on Metro's website. Metro staff will review project information and drawings to screen the project for any potential impacts to transit facilities or services, and determine if require further review and coordination is required. The sample sections on the facing page illustrate adjacency condition information that helps Metro complete project screening.

Contact:

Metro Development Review Team

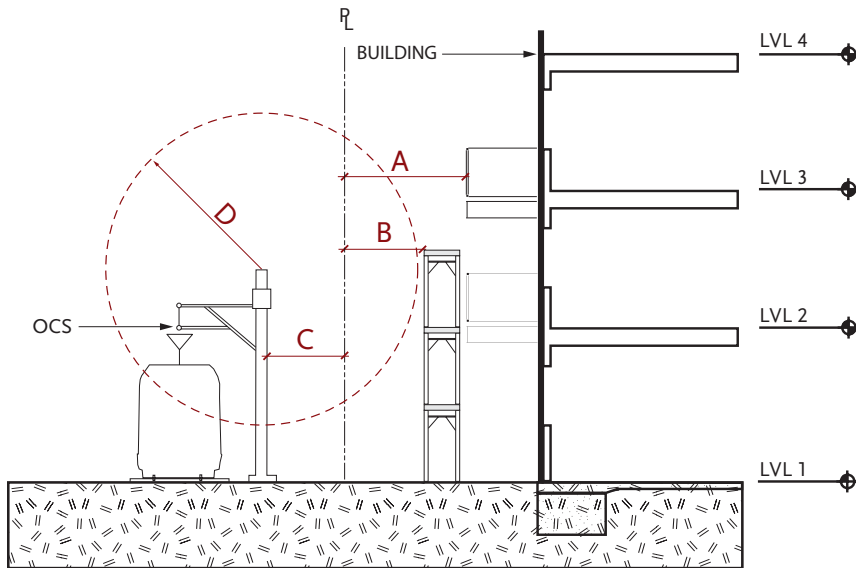
Website: <https://www.metro.net/devreview>

Online In-take Form: <https://jpublic.metro.net/in-take-form>

Email: devreview@metro.net

Phone: 213.418.3484

Sample Section: Adjacency Conditions



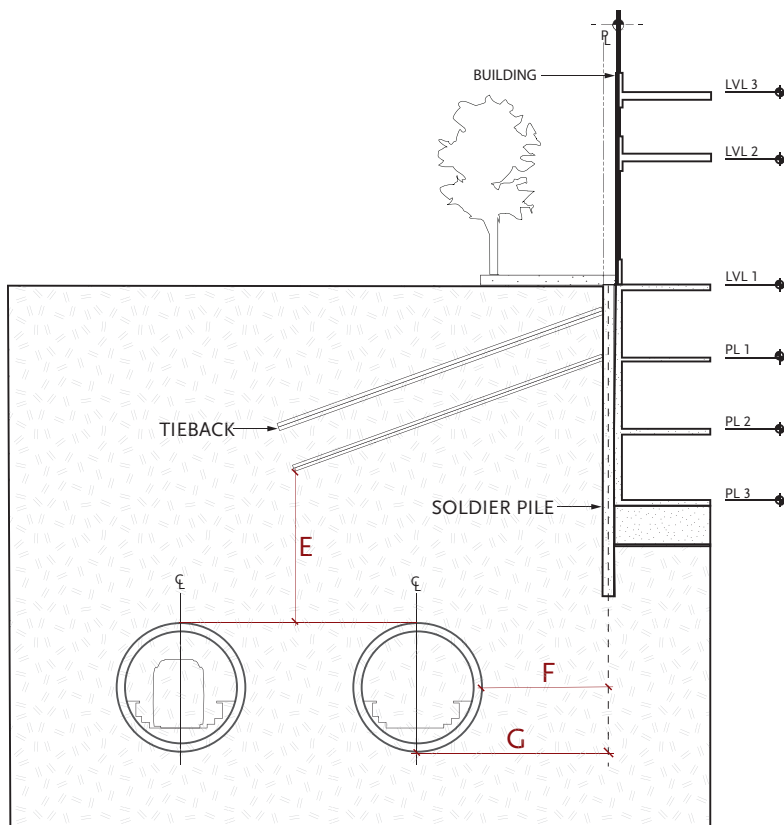
AT-GRADE CONDITION

A. Distance from property line to nearest permanent structure (e.g. building facade, balconies, terraces). Refer to Section 1.3 Building Setback of Handbook.

B. Distance from property line to nearest temporary construction structures (e.g. scaffolding).

C. Distance from property line to nearest Metro facility.

D. Clearance from nearest temporary and/or permanent structure to overhead catenary system (OCS). Refer to Section 1.4, OCS Clearance of Handbook.



BELOW-GRADE CONDITION

E. Vertical distance from top of Metro tunnel to closest temporary and/or permanent structure (e.g. tiebacks, foundation). Refer to Section 2.2, Proximity to Tunnels & Underground Infrastructure of Handbook.

F. Horizontal distance from exterior tunnel wall to nearest structure.

G. Horizontal distance from Metro track centerline to nearest structure.

Best Practices

Best Practices for Developer Coordination

Metro encourages developers of projects adjacent to Metro ROW and/or Real Estate Assets to take the following steps to facilitate Metro project review and approval:

1. **Review Metro resources and policies:** The Metro Development & Construction Coordination website and Handbook provide important information for those interested in constructing on, adjacent, over, or under Metro ROW, non-revenue property, or transit facilities. Developers and other Third Parties should familiarize themselves with these resources and keep in mind common adjacency concerns when planning a project.
2. **Contact Metro early during design process:** Metro welcomes the opportunity to provide feedback early in project design, allowing for detection and resolution of important adjacency issues, identification of urban design and system integration opportunities, and facilitation of permit approval. Metro encourages project submittal through the online [In-Take Form](#) to begin consultation.
3. **Maintain communication:** Frequent communication with Metro during project design and construction will reinforce relationships and allow for timely project completion. Contact us at devreview@metro.net or at 213.418.3484.

Best Practices for Local Jurisdiction Notification

To improve communication between Metro and the development community, Metro suggests that local jurisdictions take the following steps to notify property owners of coordination needs for properties adjacent to Metro ROW by:

- **Updating GIS and parcel data:** Integrate Metro ROW files into the City/County GIS and/or Google Earth Files for key departments (e.g. Planning, Public Works, Building & Safety) to notify staff of Metro adjacency and need for coordination during development approval process. Download Metro's ROW files [here](#).
- **Flag Parcels:** Create an overlay zone as part of local Specific Plan(s) and/or Zoning Ordinance(s) to tag parcels that are within 100 feet Metro ROW and require coordination with Metro early during the development process [e.g. City of Los Angeles Zone Information and Map Access System (ZI-1117)].
- **Provide Resources:** Direct all property owners and developers interested in parcels within 100 feet of Metro ROW to Metro's resources (e.g. website, Handbook).



Metro

Downtown
Santa
Monica





Site Plan & Conceptual Design

Site Plan & Conceptual Design

1.1 Supporting Transit Oriented Communities

Transit-oriented communities (TOCs) are places that, by their design, make it more convenient to take transit, walk, bike or roll than to drive. By working closely with the development community and local jurisdictions, Metro seeks to ensure safe construction near Metro facilities and improve compatibility with adjacent development to increase transit ridership.

RECOMMENDATION: Consider site planning and building design strategies to that support transit ridership, such as:

- Leveraging planning policies and development incentives to design a more compelling project that capitalizes on transit adjacency and economy of scales.
- Programming a mix of uses to create lively, vibrant places that are active day and night.
- Utilizing Metro policies and programs that support a healthy, sustainable, and welcoming environment around transit service and facilities.
- Prioritizing pedestrian-scaled elements to create spaces that are comfortable, safe, and enjoyable.
- Activating ground floor with retail and outdoor seating/activities to bring life to the public environment.
- Reducing and screening parking to focus on pedestrian activity.
- Incorporating environmental design elements that help reduce crime (e.g. windows and doors that face public spaces, lighting).



The Wilshire/Vermont Metro Joint Development project leveraged existing transit infrastructure to catalyze a dynamic and accessible urban environment. This project accommodates portal access into the Metro Rail system and on-street bus facilities.



1.2 Enhancing Access to Transit

Metro seeks to create a comprehensive, integrated transportation network and supports infrastructure and design that allows safe and convenient access to its multi-modal services. Projects in close proximity to Metro's services and facilities present an opportunity to enhance the public realm and connections to/from these services for transit riders as well as users of the developments.

RECOMMENDATION: Design projects with transit access in mind. Project teams should capitalize on the opportunity to improve the built environment and enhance the public realm for pedestrians, bicyclists, persons with disabilities, seniors, children, and users of green modes. Metro recommends that projects:

- Orient major entrances to transit service, making access and travel safe, intuitive, and convenient.
- Plan for a continuous canopy of shade trees along all public right-of-way frontages to improve pedestrian comfort to transit facilities.
- Add pedestrian lighting along paths to transit facilities and nearby destinations.
- Integrate wayfinding and signage into project design.
- Enhance nearby crosswalks and ramps.
- Ensure new walkways and sidewalks are clear of any obstructions, including utilities, traffic control devices, trees, and furniture.
- Design for seamless, multi-modal pedestrian connections, making access easy, direct, and comfortable.



The City of Santa Monica leveraged investments in rail transit and reconfigured Colorado Avenue to form a multi-modal first/last mile gateway to the waterfront from the Downtown Santa Monica Station. Photo by PWP Landscape Architecture

Site Plan & Conceptual Design

1.3 Building Setback

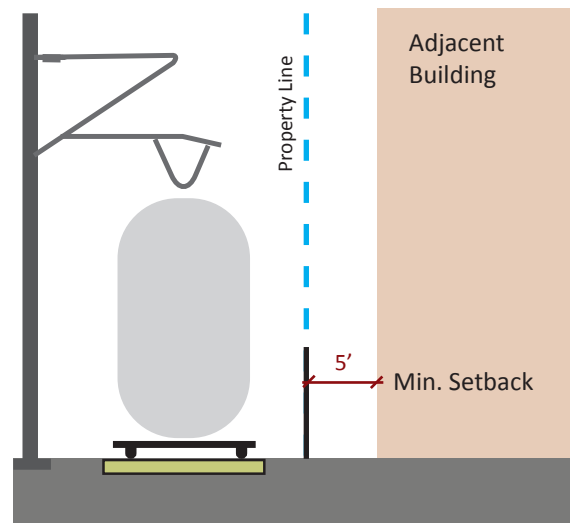
Buildings and structures with a zero lot setback that closely abut Metro ROW can pose concerns to Metro during construction. Encroachment onto Metro property to construct or maintain buildings is strongly discouraged as this presents safety hazards and may disrupt transit service and/or damage Metro infrastructure.

RECOMMENDATION: Include a minimum setback of five (5) feet from the property line to building facade to accommodate the construction and maintenance of structures without the need to encroach upon Metro property. As local jurisdictions also have building setback requirements, new developments should comply with the greater of the two requirements.

Entry into the ROW by parties other than Metro and its affiliated partners requires written approval. Should construction or maintenance of a development necessitate temporary or ongoing access to Metro ROW, a Metro Right of Entry Permit must be requested and obtained from Metro Real Estate for every instance access is required. Permission to enter the ROW is granted solely at Metro's discretion.

Coordination between property owners of fences, walls, and other barriers along property line is recommended. See Section 1.5.

Refer to Section 3.2 – Track Access and Safety for additional information pertaining to ROW access in preparation for construction activities.



A minimum setback of five (5) feet between an adjacent structure and Metro ROW is strongly encouraged to allow project construction and ongoing maintenance without encroaching on Metro property.

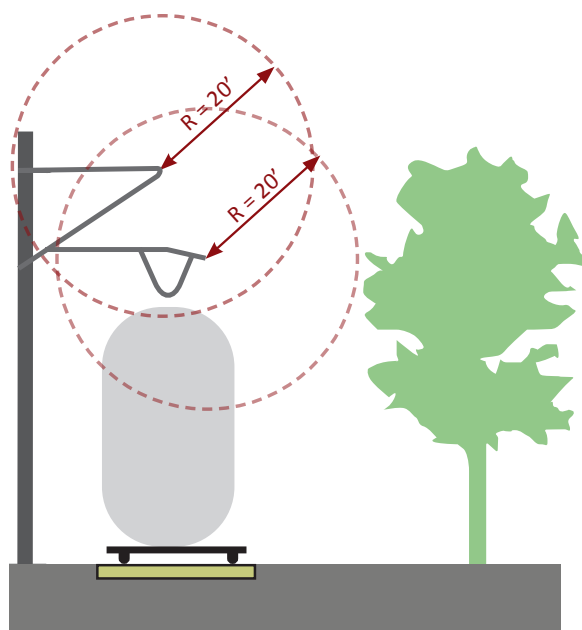


1.4 Overhead Catenary System (OCS) Clearance

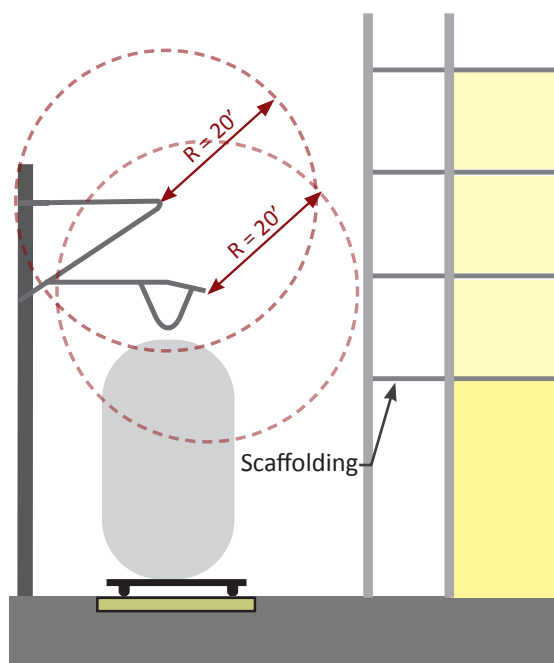
Landscaping and tree canopies can grow into the OCS above light rail lines, creating electrical safety hazards as well as visual and physical impediments for trains. Building appurtenances facing rail ROW, such as balconies, may also pose safety concerns to Metro operations as objects could fall onto the OCS.

RECOMMENDATION: Design project elements facing the ROW to avoid potential conflicts with Metro transit vehicles and infrastructure. Metro recommends that projects:

- Plan for landscape maintenance from private property and prevent growth into Metro ROW. Property owners will not be permitted to access Metro property to maintain private development.
- Design buildings such that balconies do not provide building users direct access to Metro ROW.
- Maintain building appurtenances and landscaping at a minimum distance of ten (10) feet from the OCS and support structures. If Transmission Power (TP) feeder cable is present, twenty (20) feet from the OCS and support structures is required. Different standards will apply for Metro Trolley Wires, Feeder Cables (wires) and Span Wires.



Adjacent structures and landscaping should be sited and maintained to avoid conflicts with the rail OCS.



Scaffolding and construction equipment should be staged to avoid conflicts with the rail OCS.

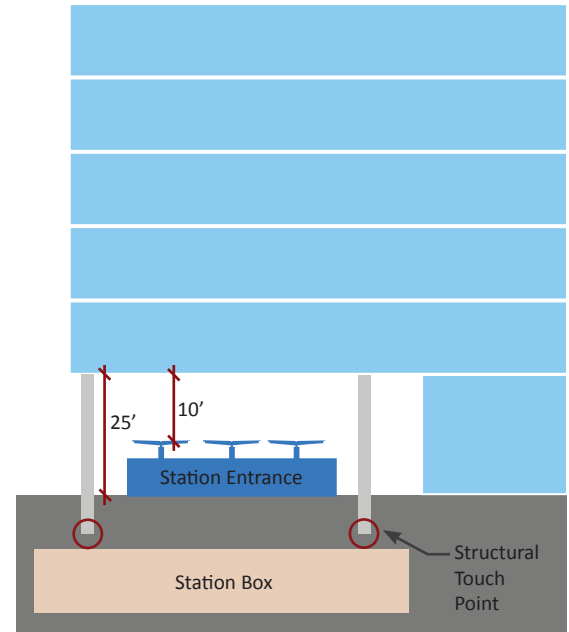
Site Plan & Conceptual Design

1.5 Underground Station Portal Clearance

Metro encourages transit-oriented development. Where development is planned above station entrances, close coordination is needed for structural safety as well as access for patrons, operations, and maintenance. Below are key design rules of thumb for development planned to cantilever over an entrance to an underground Metro Rail station.

RECOMMENDATION:

1. Preserve 25 feet clearance at minimum from plaza grade and the building structure above.
2. Preserve 10 feet clearance at minimum between portal roof and building structure above.
3. Coordinate structural support system and touchdown points to ensure a safe transfer of the building loads above the station portal.
4. Coordinate placement of structural columns and amenities (e.g. signage, lighting, furnishings) at plaza level to facilitate direct and safe connections for people of all mobile abilities to and from station entrance(s).
5. Develop a maintenance plan for the plaza in coordination with Metro.



Projects that propose to cantilever over Metro subway portals require close coordination with Metro Engineering.



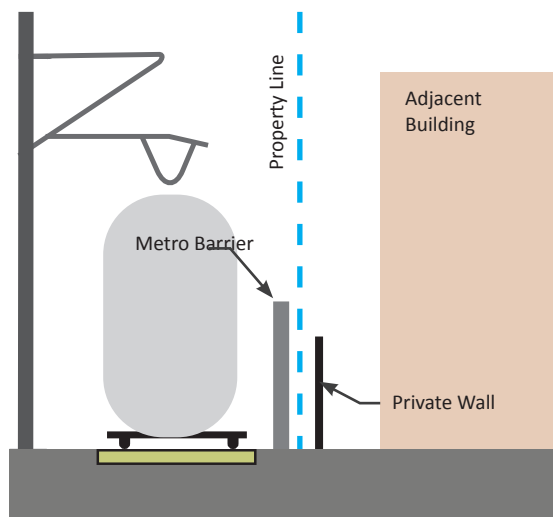
1.6 Shared Barrier Construction & Maintenance

In areas where Metro ROW abuts private property, barrier construction and maintenance responsibilities can be a point of contention with property owners. When double barriers are constructed, the gap created between the Metro-constructed fence and a private property owner's fence can accumulate trash and make regular maintenance challenging without accessing the other party's property.

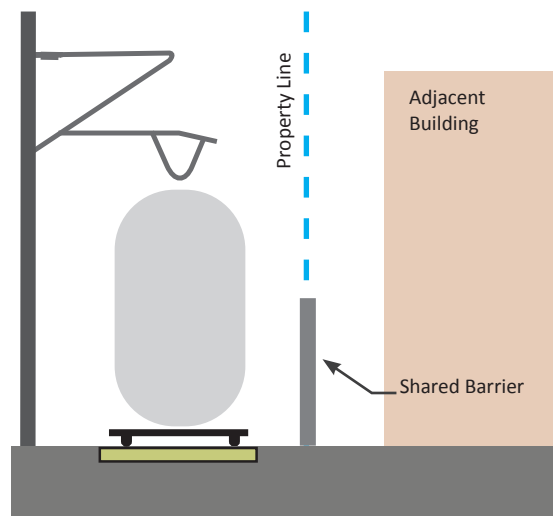
RECOMMENDATION: Coordinate with Metro Real Estate to create a single barrier condition along the ROW property line. With an understanding that existing conditions along ROW boundaries vary throughout LA County, Metro recommends the following, in order of preference:

- **Enhance existing Metro barrier:** if structural capacity allows, private property owners and developers should consider physically affixing improvements onto and building upon Metro's existing barrier. Metro is amenable to barrier enhancements such as increasing barrier height and allowing private property owners to apply architectural finishes to their side of Metro's barrier.
- **Replace existing barrier(s):** if conditions are not desirable, remove and replace any existing barrier(s), including Metro's, with a new single "shared" barrier built on the property line.

Metro is amenable to sharing costs for certain improvements that allow for clarity in responsibilities and adequate ongoing maintenance from adjacent property owners without entering Metro's property. Metro Real Estate should be contacted with case-specific questions and will need to approve shared barrier design, shared financing, and construction.



Double barrier conditions allow trash accumulation and create maintenance challenges for Metro and adjacent property owners.



Metro prefers a single barrier condition along its ROW property line.

Site Plan & Conceptual Design

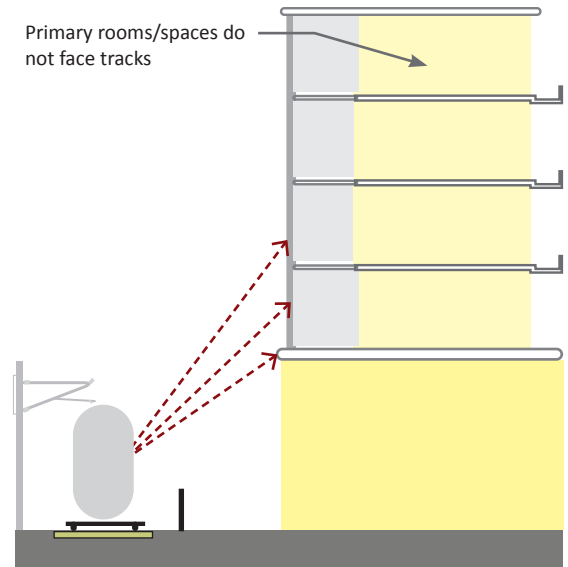
1.7 Project Orientation & Noise Mitigation

Metro may operate in and out of revenue service 24 hours per day, every day of the year, which can create noise and vibration (i.e. horns, power washing). Transit service and maintenance schedules cannot be altered to avoid noise for adjacent developments. However, noise and vibration impacts can be reduced through building design and orientation.

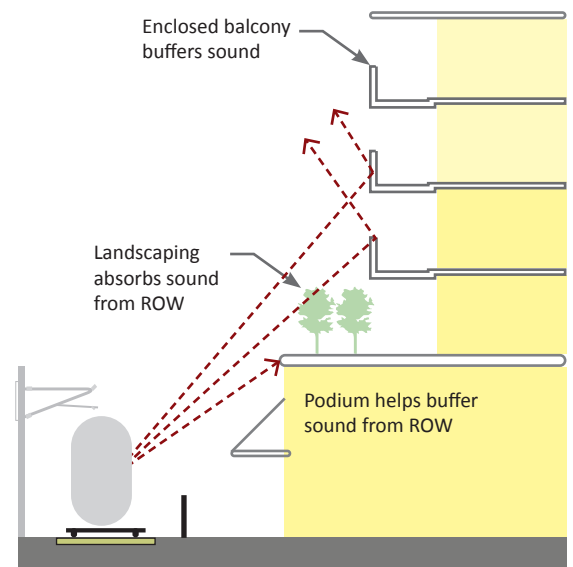
RECOMMENDATION: Use building orientation, programming, and design techniques to reduce noise and vibration for buildings along Metro ROW:

- Locate secondary or “back of house” rooms (e.g. bathrooms, stairways, laundry rooms) along ROW, rather than primary living spaces that are noise sensitive (e.g. bedrooms and family rooms).
- Use upper level setbacks and locate living spaces away from ROW.
- Enclose balconies.
- Install double-pane windows.
- Include language disclosing potential for noise, vibration, and other impacts due to transit proximity in terms and conditions for building lease or sale agreements to protect building owners/sellers from tenant/buyer complaints.

Developers are responsible for any noise mitigation required, which may include engineering designs for mitigation recommended by Metro or otherwise required by local municipalities. A recorded Noise Easement Deed in favor of Metro may be required for projects within 100 feet of Metro ROW to ensure notification to tenants and owners of any proximity issues.



Building orientation can be designed to face away from tracks, reducing the noise and vibration impacts.



Strategic placement of podiums and upper-level setbacks on developments near Metro ROW can reduce noise and vibration impacts.



1.8 At-Grade Rail Crossings

New development is likely to increase pedestrian activity at rail crossings. Safety enhancements may be needed to upgrade existing rail crossings to better protect pedestrians.

RECOMMENDATION: Coordinate with Metro, the California Public Utilities Commission (CPUC), and any other transit operators using the crossing (e.g. Metrolink) to determine if safety enhancements are needed for nearby rail crossings.

While Metro owns and operates the rail ROW, the CPUC regulates all rail crossings. Contact the CPUC early in the design process to determine if they will require any upgrades to existing rail crossings. The CPUC may request to review development plans and hold a site visit to understand future pedestrian activity. Metro's Corporate Safety Department can support the developer in coordination with the CPUC.



Gates and pedestrian arms are common types of safety elements for pedestrians at rail crossings.



Safety elements of a gate and pedestrian arms have been constructed at the Monrovia Station.

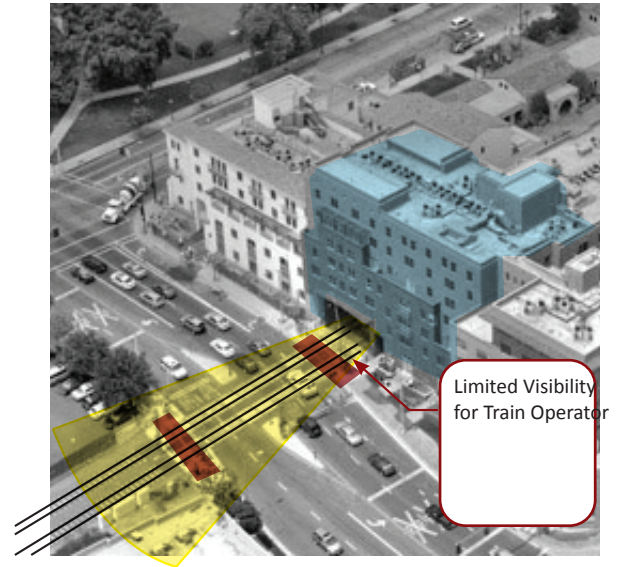
Site Plan & Conceptual Design

1.9 Sight-Lines at Crossings

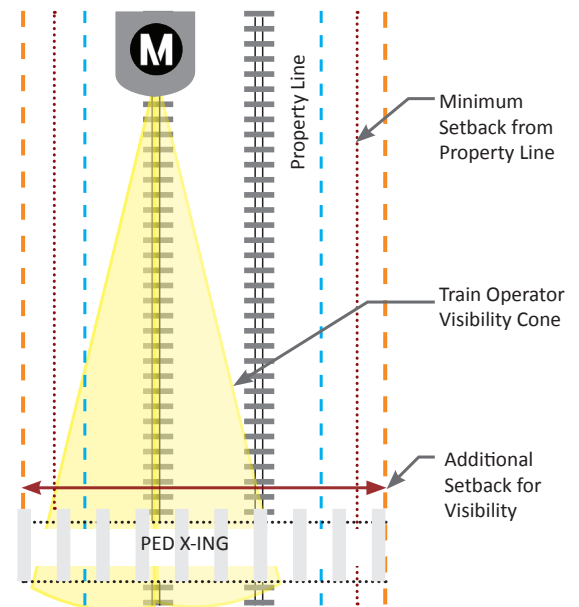
Developments adjacent to Metro ROW can present visual barriers to transit operators approaching vehicular and pedestrian crossings. Buildings and structures in close proximity to transit corridors can reduce sight-lines and create blind corners where operators cannot see pedestrians. This requires operations to reduce train speeds, which decreases efficiency of transit service.

RECOMMENDATION: Design buildings to maximize transit service sight-lines at crossings, leaving a clear cone of visibility to oncoming vehicles and pedestrians.

Metro Rail Operations will review, provide guidance, and determine the extent of operator visibility for safe operations. If the building envelope overlaps with the visibility cone near pedestrian and vehicular crossings, a building setback may be necessary to ensure safe transit service. The cone of visibility at crossings and required setback will be determined based on vehicle approach speed.



Limited sight-lines for trains approaching street crossings create unsafe conditions.



Visibility cones allow train operators to respond to safety hazards.

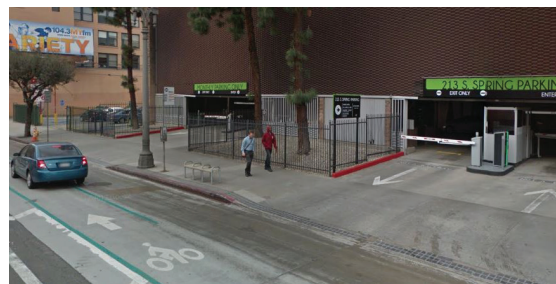


1.10 Driveway/Access Management

Driveways adjacent to on-street bus stops can create conflict for pedestrians walking to/from or waiting for transit. Additionally, driveways accessing parking lots and loading zones at project sites near Metro Rail and BRT crossings can create queuing issues along city streets and put vehicles in close proximity to fast moving trains and buses, which pose safety concerns.

RECOMMENDATION: Site driveways and other vehicular entrances to avoid conflicts with pedestrians, bicycles, and transit vehicles by:

- Placing driveways along side streets and alleys, away from on-street bus stops and transit crossings to minimize safety conflicts between active ROW, transit vehicles, and people, as well as queuing on streets.
- Locating vehicular driveways away from transit crossings or areas that are likely to be used as waiting areas for transit services.
- Placing loading docks away from sidewalks where transit bus stop activity is/will be present.
- Consolidating vehicular entrances and reduce width of driveways.
- Using speed tables to slow entering/exiting automobiles near pedestrians.
- Separating pedestrian walkways to minimize conflict with vehicles.
- Encouraging safe non-motorized travel.



Driveways in close proximity to each other compromise safety for those walking to/from transit and increase the potential for vehicle-pedestrian conflicts.

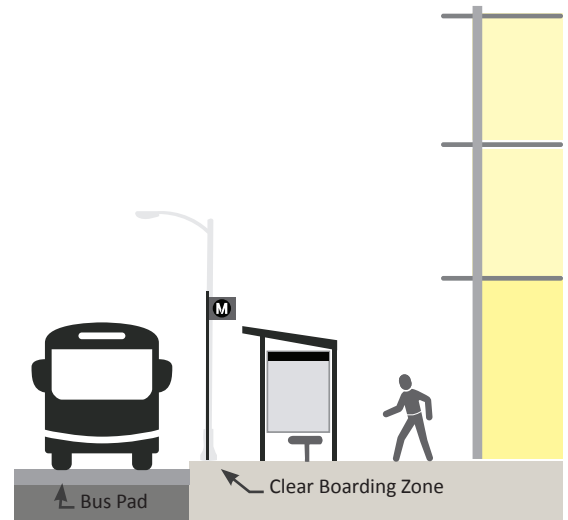
Site Plan & Conceptual Design

1.11 Bus Stop & Zones Design

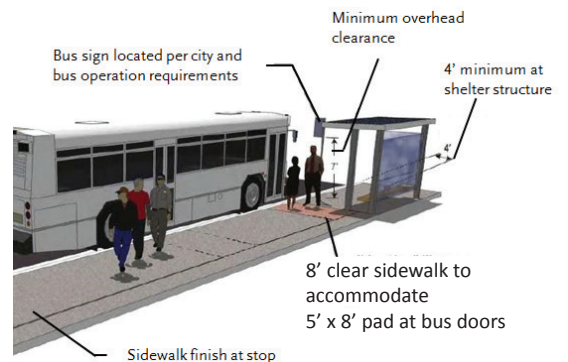
Metro Bus serves over 15,000 bus stops throughout the diverse landscape that is LA County. Typically located on sidewalks within public right-of-way owned and maintained by local jurisdictions, existing bus stop conditions vary from well-lit and sheltered spaces to uncomfortable and unwelcoming zones. Metro is interested in working with developers and local jurisdictions to create a vibrant public realm around new developments by strengthening multi-modal access to/from Metro transit stops and enhancing the pedestrian experience.

RECOMMENDATION: When designing around existing or proposed bus stops:

- Review Metro's Transit Service Policy, which provides standards for design and operation of bus stops and zones for near-side, far-side, and mid-block stops.
- Review Metro's Transfers Design Guide for more information at <https://www.metro.net/projects/station-design-projects/>
- Accommodate 5' x 8' landing pads at bus doors (front and back door, which are typically 23 to 25 feet apart).
- Locate streetscape elements (e.g. tree planters, street lamps, benches, shelters, trash receptacles and newspaper stands) outside of bus door zones to protect transit access and ensure a clear path of travel.
- Install a concrete bus pad within each bus stop zone to avoid street asphalt damage.
- Replace stand-alone bus stop signs with bus shelters that include benches and adequate lighting.
- Design wide sidewalks (15' preferred) that accommodate bus landing pads as well as street furniture, landscape, and user travel space.
- Consider tree species, height, and canopy shape (higher than 14' preferred) to avoid vehicle conflicts at bus stops. Trees should be set back from the curb and adequately maintained to prevent visual and physical impediments for buses when trees reach maturity. Avoid planting of trees that have an invasive and shallow root system.



A concrete bus pad should be located at bus stops and bus shelters should be located along sidewalks to ensure an accessible path of travel to a clear boarding area.



Well-designed and accessible bus stops are beneficial amenities for both transit riders and users of adjacent developments.



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Engineering & Technical Review

Engineering & Technical Review

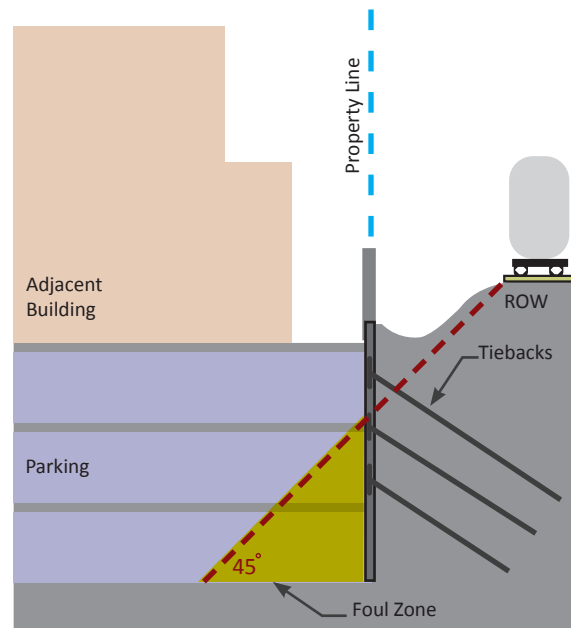
2.1 Excavation Support System Design

Excavation near Metro ROW has the potential to disturb adjoining soils and jeopardize support of existing Metro infrastructure. Any excavation which occurs within the geotechnical foul zone relative to Metro infrastructure is subject to Metro review and approval and meet Cal/OSHA requirements. This foul zone or geotechnical zone of influence shall be defined as the area below a track-way as measured from a 45-degree angle from the edge of the rail track ballast. Construction within this vulnerable area poses a potential risk to Metro service and requires additional Metro Engineering review.

RECOMMENDATION: Coordinate with Metro Engineering staff for review and approval of the excavation support system drawings and calculations prior to the start of excavation or construction. Tiebacks encroaching into Metro ROW may require a tieback easement or license, at Metro's discretion.

Any excavation/shoring within Metrolink operated and maintained ROW will require compliance with SCRRRA Engineering standards and guidelines.

See page 7 for a sample section showing Metro adjacent conditions.



An underground structure located within the ROW foul zone would require additional review by Metro.



2.2 Proximity to Tunnels & Underground Infrastructure

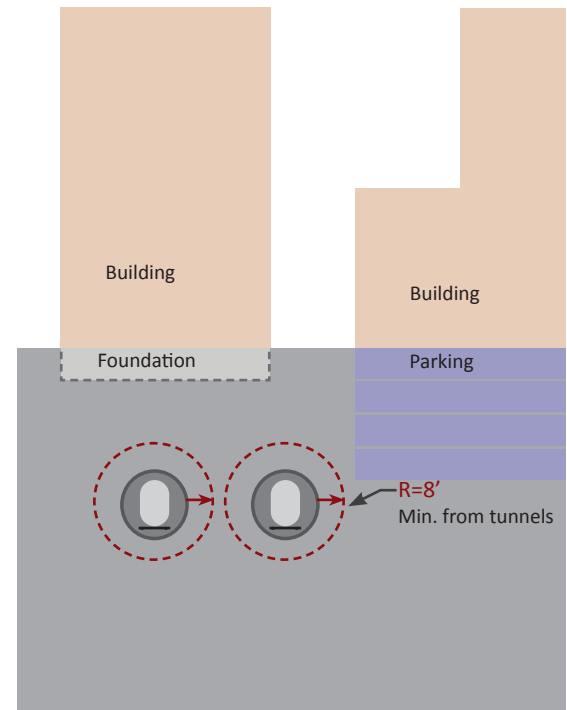
Construction adjacent to, over, or below underground Metro facilities (tunnels, stations and appendages) is of great concern and should be coordinated closely with Metro Engineering.

RECOMMENDATION: Coordinate with Metro early in the design process when proposing to build near underground Metro infrastructure. Metro typically seeks to maintain a minimum eight (8) foot clearance from existing Metro facilities to new construction (shoring or tiebacks). It will be incumbent upon the developer to demonstrate, to Metro's satisfaction, that both the temporary support of construction and the permanent works do not adversely affect the structural integrity, safety, or continued efficient operation of Metro facilities.

Dependent on the nature of the adjacent construction, Metro will need to review the geotechnical report, structural foundation plans, sections, shoring plan sections and calculations.

Metro may require monitoring where such work will either increase or decrease the existing overburden (i.e. weight) to which the tunnels or facilities are subjected. When required, the monitoring will serve as an early indication of excessive structural strain or movement. See Section 3.4, Excavation Drilling/Monitoring for additional information regarding monitoring requirements.

See page 7 for a sample section showing Metro adjacent conditions.

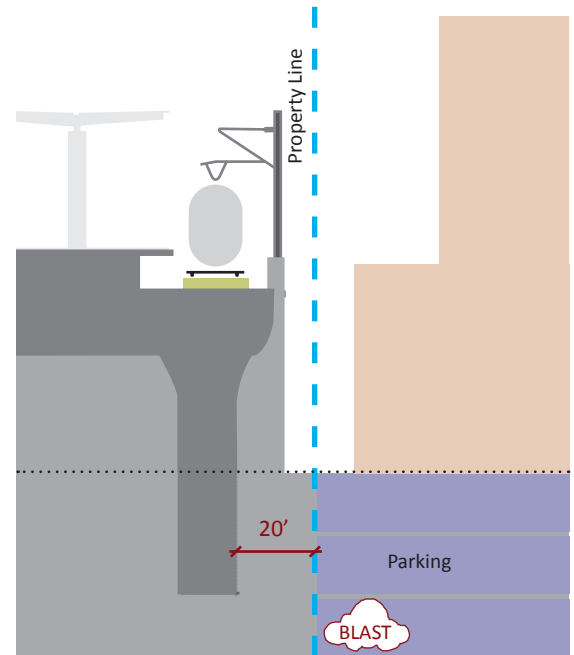


Adjacent project structures in close proximity to underground Metro infrastructure will require additional review by Metro.

2.3 Protection from Explosion/Blast

Metro is obligated to ensure the safety of public transit infrastructure from potential explosive sources which could originate from adjacent underground structures or from at-grade locations, situated below elevated guideways or near stations. Blast protection setbacks or mitigation may be required for large projects constructed near critical Metro facilities.

RECOMMENDATION: Avoid locating underground parking or basement structures within twenty (20) feet from an existing Metro tunnel or facility (exterior face of wall to exterior face of wall). Adjacent developments within this 20-foot envelope may be required to submit a Threat Assessment and Blast/Explosion Study for Metro review and approval.



An underground structure proposed within twenty (20) feet of a Metro structure may require a Threat Assessment and Blast/Explosion Study.

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Construction Safety & Management

Construction Safety & Management

3.1 Pre-Construction Coordination

Metro is concerned with impacts to service requiring rail single line tracking, line closures, speed restrictions, and bus bridging occurring as a result of adjacent project construction. Projects that will require work over, under, adjacent, or on Metro property or ROW and include operation of machinery, scaffolding, or any other potentially hazardous work are subject to evaluation in preparation for and during construction to maintain safe transit operations and passenger well-being.

RECOMMENDATION: Following an initial screening of the project, Metro may determine that additional on-site coordination may be necessary. Dependent on the nature of the adjacent construction, developers may be requested to perform the following as determined on a case-by-case basis:

- Submit a construction work plan and related project drawings and specifications for Metro review.
- Submit a contingency plan, show proof of insurance coverage, and issue current certificates.
- Provide documentation of contractor qualifications.
- Complete pre-construction surveys, perform baseline readings, and install movement instrumentation.
- Complete readiness review and perform practice run of transit service shutdown per contingency plan.
- Designate a ROW observer or other safety personnel and an inspector from the project's construction team.
- Establish a coordination process for access and work in or adjacent to ROW for the duration of construction.

Project teams will be responsible for the costs of adverse impacts to Metro transit operations caused by work on adjacent developments, including remedial work to repair damage to Metro property, facilities, or systems. Additionally, a Construction Monitoring fee may be assessed based on an estimate of required level of effort provided by Metro.

All projects adjacent to Metrolink infrastructure will require compliance with SCRRRA Engineering Standards and Guidelines.



Metro may need to monitor development construction near Metro facilities.



3.2 Track Access and Safety

Permission from Metro is required to enter Metro property for rail construction and maintenance along, above, or under Metro ROW as these activities can interfere with Metro utilities and service and pose a safety hazard to construction teams and transit riders. Track access is solely at Metro's discretion and is discouraged to prevent electrocution and collisions with construction workers or machines.

RECOMMENDATION: Obtain and/or complete the following to work in or adjacent to Metro Rail ROW:

1. **Construction Work Plan:** Dependent on the nature of adjacent construction, Metro may request a construction work plan, which describes means and methods and other construction plan details, to ensure the safety of transit operators and riders.
2. **Safety Training:** All members of the project construction team will be required to attend Metro Rail Safety Training before commencing work activity. Training provides resources and procedures when working near active rail ROW.
3. **Right of Entry Permit/Temporary Construction Easement:** All access to and activity on Metro property, including easements necessary for construction of adjacent projects, must be approved through a Right-of-Entry Permit and/or a Temporary Construction Easement obtained from Metro Real Estate and may require a fee.
4. **Track Allocation:** All work on Metro Rail ROW must receive prior approval from Metro Rail Operations Control. Track Allocation identifies, reserves, and requests changes to normal operations for a specific track section, line, station, location, or piece of equipment to allow for safe use by a non-Metro entity. If adjacent construction is planned in close proximity to active ROW, flaggers must be used to ensure safety of construction workers and transit riders.



Trained flaggers ensure the safe crossing of pedestrians and workers of an adjacent development.

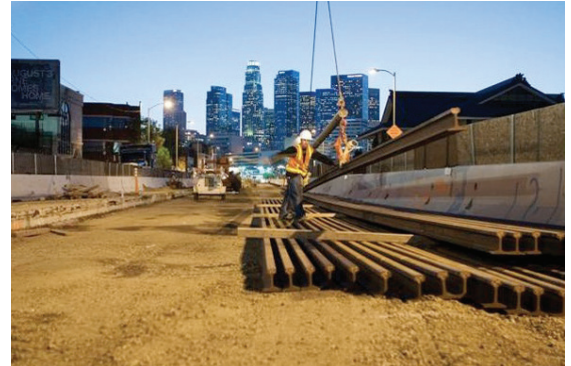
Construction Safety & Management

3.3 Construction Hours

Building near active Metro ROW poses safety concerns and may require limiting hours of construction which impact Metro ROW to night or off-peak hours so as not to interfere with Metro revenue service. To maintain public safety and access for Metro riders, construction should be planned, scheduled, and carried out in a way to avoid impacts to Metro service and maintenance.

RECOMMENDATION: In addition to receiving necessary construction approvals from the local jurisdiction, all construction work on or in close proximity to Metro ROW must be scheduled through the Track Allocation Process, detailed in Section 3.2.

Metro prefers that adjacent construction with potential to impact normal, continuous Metro operations take place during non-revenue hours (approximately 1am-4am) or during non-peak hours to minimize impacts to service. The developer may be responsible for additional operating costs resulting from disruption to normal Metro service.



Construction during approved hours ensures the steady progress of adjacent development construction and minimizes impacts to Metro's transit service.



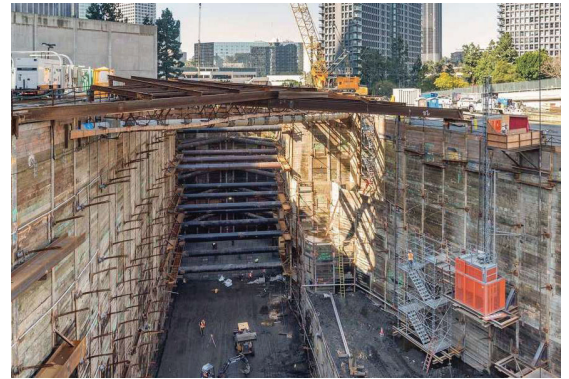
3.4 Excavation/Drilling Monitoring

Excavation is among the most hazardous construction activities and can pose threats to the structural integrity of Metro's transit infrastructure.

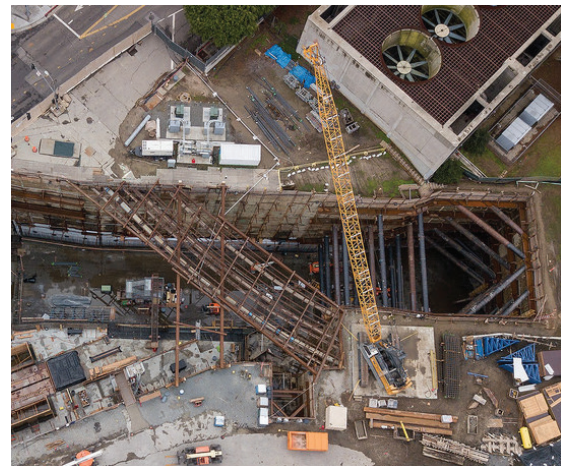
RECOMMENDATION: Coordinate with Metro Engineering to review and approve excavation and shoring plans during design and development, and well in advance of construction (see Sections 2.1 and 2.2).

Geotechnical instrumentation and monitoring will be required for all excavations occurring within Metro's geotechnical zone of influence, where there is potential for adversely affecting the safe and efficient operation of transit vehicles. Monitoring of Metro facilities due to adjacent construction may include the following as determined on a case-by-case basis:

- Pre- and post-construction condition surveys
- Extensometers
- Inclinometers
- Settlement reference points
- Tilt-meters
- Groundwater observation wells
- Movement arrays
- Vibration monitoring



Excavation and shoring plans must be reviewed by Metro to ensure structural compatibility with Metro infrastructure and safety during adjacent development construction.



A soldier pile wall used for Regional Connector station at 2nd/Hope.

Construction Safety & Management

3.5 Crane Operations

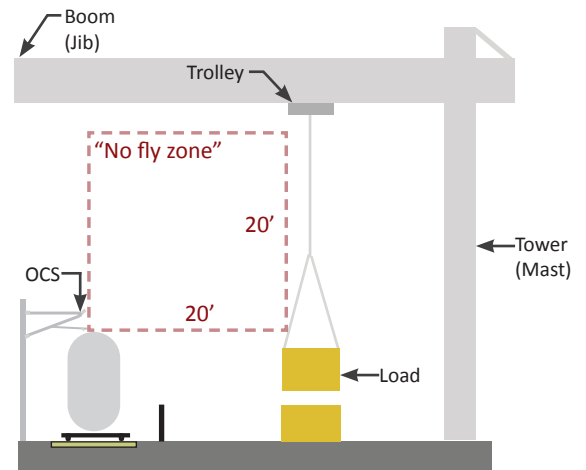
Construction activities adjacent to Metro ROW may require moving large, heavy loads of building materials and machinery using cranes. Cranes referenced here include all power-operated equipment that can hoist, lower, and horizontally move a suspended load. To ensure safety for Metro riders, operators, and transit facilities, crane operations adjacent to Metro ROW must follow the safety regulations and precautions below and are subject to California Occupational Safety and Health Administration (Cal/OSHA) standards.

RECOMMENDATION:

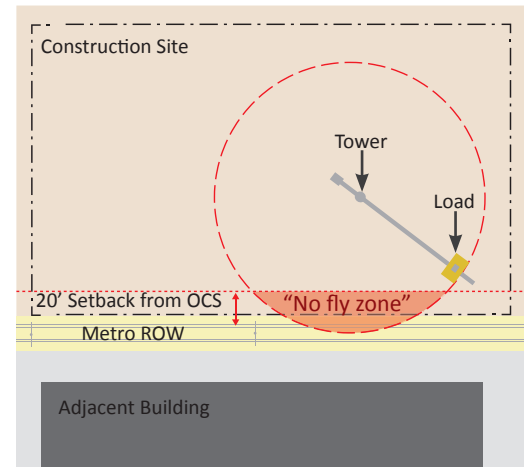
Coordinate with Metro to discuss construction methods and confirm if a crane work plan is required. Generally, crane safety near Metro's ROW and facilities largely depends on the following factors: 1) Metro's operational hours and 2) swinging a load over or near Metro power lines and facilities. Note:

1. **Clearance:** A crane boom may travel over energized Metro OCS only if it maintains a vertical 20-foot clearance and the load maintain a horizontal 20-foot clearance.
2. **Power:** Swinging a crane boom with a load over Metro facilities or passenger areas is strictly prohibited during revenue hours. To swing a load in the "no fly zone" (see diagrams to right), the construction team must coordinate with Metro to de-energize the OCS.
3. **Weathering:** When not in use, the crane boom may swing 360 degrees with the movement of the wind, including over energized Metro OCS, only if the trolley is fully retracted towards the crane tower and not carrying any loads.
4. **Process:** Developers and contractors must attend Metro Track Allocation (detailed in Section 3.2) to determine if Metro staff support is necessary during crane erection and load movement.
5. **Permit:** Developers must apply for a Metro Right-of-Entry permit to swing over Metro facilities.

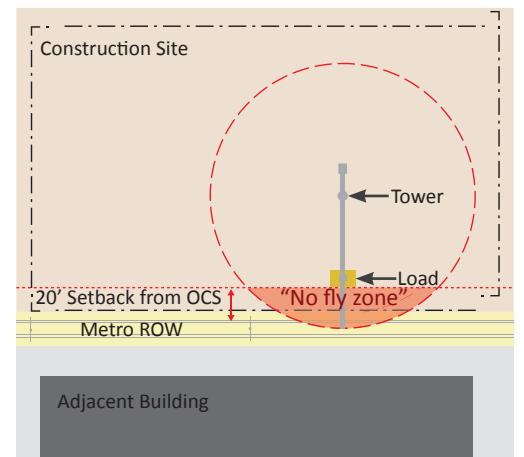
Project teams will bear all costs associated with impacts to Metro Rail operations and maintenance.



Cranes and construction equipment should be staged to avoid conflicts with the rail OCS.



Plan View: Crane swing and load are restricted near Metro ROW.



Plan View: While crane boom swings over "no fly zone," the trolley and load are retracted to maintain clearance from OCS.



3.6 Construction Barriers & Overhead Protection

During construction, falling objects can damage Metro facilities and pose a safety concern to the riders accessing them.

RECOMMENDATION: Erect vertical construction barriers and overhead protection compliant with Metro and Cal/OSHA requirements to prevent objects from falling into Metro ROW or areas designed for public access to Metro facilities. A protection barrier shall be constructed to cover the full height of an adjacent project and overhead protection from falling objects shall be provided over Metro ROW as necessary. Erection of the construction barriers and overhead protection for these areas shall be done during Metro non-revenue hours.



Overhead protection is required when moving heavy objects over Metro ROW or in areas designated for public use.



Constructed above is a wooden box over the entrance portal for overhead protection at the 4th/Hill Station.

Construction Safety & Management

3.7 Pedestrian & Emergency Access

Metro's riders rely on the consistency and reliability of access and wayfinding to and from stations, stops, and facilities. Construction on adjacent property must not obstruct pedestrian access, fire department access, emergency egress, or otherwise present a safety hazard to Metro operations, its employees, riders, and the general public. Fire access and safe escape routes within all Metro stations, stops, and facilities must be maintained at all times.

RECOMMENDATION: Ensure pedestrian and emergency access from Metro stations, stops, and transit facilities is compliant with the Americans with Disabilities Act (ADA) and maintained during construction:

- Temporary fences, barricades, and lighting should be installed and watchmen provided for the protection of public travel, the construction site, adjacent public spaces, and existing Metro facilities.
- Temporary signage should be installed where necessary and in compliance with the latest California Manual on Uniform Traffic Control Devices (MUTCD) and in coordination with Metro Art and Design Standards.
- Emergency exits shall be provided and be clear of obstructions at all times.
- Access shall be maintained for utilities such as fire hydrants, stand pipes/connections, and fire alarm boxes as well as Metro-specific infrastructure such as fan and vent shafts.



Sidewalk access is blocked for a construction project, forcing pedestrians into the street or to use less direct paths to the Metro facility.



3.8 Impacts to Bus Routes & Stops

During construction, bus stop zones and routes may need to be temporarily relocated. Metro needs to be informed of activities that require stop relocation or route adjustments in order to ensure uninterrupted service.

RECOMMENDATION: During construction, maintain or relocate existing bus stops consistent with the needs of Metro Bus Operations. Design of temporary and permanent bus stops and surrounding sidewalk areas must be compliant with the ADA and allow passengers with disabilities a clear path of travel to the transit service. Existing bus stops must be maintained as part of the final project. Metro Bus Operations Control Special Events Department and Metro Stops & Zones Department should be contacted at least 30 days before initiating construction activities.



Temporary and permanent relocation of bus stops and layover zones will require coordination between developers, Metro, and other municipal bus operators and local jurisdictions.

Construction Safety & Management

3.9 Utility Coordination

Construction has the potential to interrupt utilities that Metro relies on for safe operations and maintenance. Utilities of concern to Metro include, but are not limited to, condenser water piping, potable/fire water, storm and sanitary sewer lines, and electrical/telecommunication services.

RECOMMENDATION: Coordinate with Metro Real Estate during project design to gauge temporary and permanent utility impacts and avoid conflicts during construction.

The contractor shall protect existing above-ground and underground Metro utilities during construction and coordinate with Metro to receive written approval for any utilities pertinent to Metro facilities that may be used, interrupted, or disturbed.

When electrical power outages or support functions are required, approval must be obtained through Metro Track Allocation in coordination with Metro Real Estate for a Right of Entry Permit.

To begin coordination with Metro Real Estate, visit www.metro.net/devreview and select the drop-down “Utility Project Coordination.”



Coordination of underground utilities is critical to safely and efficiently operate Metro service.



3.10 Air Quality & Ventilation Protection

Hot or foul air, fumes, smoke, steam, and dust from adjacent construction activities can negatively impact Metro facilities, service, and users.

RECOMMENDATION: Ensure that hot or foul air, fumes, smoke, and steam from adjacent facilities are discharged beyond 40 feet from existing Metro facilities, including but not limited to ventilation system intake shafts and station entrances. Should fumes be discharged within 40 feet of Metro intake shafts, a protection panel around each shaft shall be required.



A worker breaks up concrete creating a cloud of silica dust.

Glossary

Cone of Visibility

A conical space at the front of moving transit vehicles allowing for clear visibility of travel way and/or conflicts.

Construction Work Plan (CWP)

Project management document outlining the definition of work tasks, choice of technology, estimation of required resources and duration of individual tasks, and identification of interactions among the different work tasks.

Flagger/Flagman

Person who controls traffic on and through a construction project. Flaggers must be trained and certified by Metro Rail Operations prior to any work commencing in or adjacent to Metro ROW.

Geotechnical Foul Zone

Area below a track-way as measured from a 45-degree angle from the edge of the rail track ballast.

Guideway

A channel, track, or structure along which a transit vehicle moves.

Heavy Rail Transit (HRT)

Metro HRT systems include exclusive ROW (mostly subway) trains up to six (6) cars long (450') and utilize a contact rail for traction power distribution (e.g. Metro Red Line).

Joint Development (JD)

JD is the asset management and real estate development program through which Metro collaborates with developers to build housing, retail, and other amenities on Metro properties near transit, typically through ground lease. JD projects directly link transit riders with destinations and services throughout LA County.

Light Rail Transit (LRT)

Metro LRT systems include exclusive, semi-exclusive, or street ROW trains up to three (3) cars long (270') and utilize OCS for traction power distribution (e.g. Metro Blue Line).

Measure R

Half-cent sales tax for LA County approved in November 2008 to finance new transportation projects and programs. The tax expires in 2039.

Measure M

Half-cent sales tax for LA County approved in November 2016 to fund transportation improvements, operations and programs, and accelerate projects already in the pipeline. The tax will increase to one percent in 2039 when Measure R expires.

Metrolink

A commuter rail system with seven lines throughout Los Angeles, Orange, Riverside, San Bernardino, Ventura, and North San Diego counties governed by the Southern California Regional Rail Authority (SCRRA).

Metro Adjacent Construction Design Manual

Volume III of the Metro Design Criteria & Standards, which outlines the Metro adjacent review procedure as well as operational requirements when constructing over, under, or adjacent to Metro facilities, structures, and property.

Metro Bus

Metro "Local" and "Rapid" bus service runs within the street, typically alongside vehicular traffic, though occasionally in "bus-only" lanes.

Metro Bus Rapid Transit (BRT)

High quality bus service that provides faster and convenient service through the use of dedicated ROW, branded vehicles and stations, high frequency and intelligent transportation systems, all-door boarding, and intersection crossing priority. Metro BRT may run within dedicated ROW or in mixed flow traffic on streets.

Metro Design Criteria and Standards

A compilation of documents that govern how Metro transit service and facilities are designed, constructed, operated, and maintained.

Metro Rail

Urban rail system serving LA County consisting of six lines, including two subway lines and four light rail lines.

Metro Rail Design Criteria (MRDC)

Volume IV of the Metro Design Criteria & Standards which establishes design criteria for preliminary engineering and final design of a Metro Rail Project.

Metro Transit Oriented Communities

Land use planning and community development program that seeks to maximize access to transportation as a key organizing principle and promote equity and sustainable living by offering a mix of uses close to transit to support households at all income levels, as well as building densities, parking policies, urban design elements, and first/last mile facilities that support ridership and reduce auto dependency.

Noise Easement Deed

Easement granted by property owners abutting Metro ROW acknowledging noise due to transit operations and maintenance.

Overhead Catenary System (OCS)

One or more electrified wires situated over a transit ROW that transmit power to light rail trains via pantograph, a current collector mounted on the roof of an electric vehicle. Metro OCS is supported by hollow poles placed between tracks or on the outer edge of parallel tracks.

Right of Entry Permit

Written approval granted by Metro Real Estate to enter Metro ROW and property.

Right of Way (ROW)

Legal right over property reserved for transportation purposes to construct, protect, maintain and operate transit services.

Southern California Regional Rail Authority (SCRRA)

A joint powers authority made up of an 11-member board representing the transportation commissions of Los Angeles, Orange, Riverside, San Bernardino and Ventura counties. SCRRA governs and operates Metrolink service.

Threat Assessment and Blast/Explosion Study

Analysis performed when adjacent developments are proposed within twenty (20) feet from an existing Metro tunnel or facility.

Track Allocation/Work Permit

Permit granted by Metro Rail Operations Control to allocate a section of track and perform work on or adjacent to Metro Rail ROW. This permit should be submitted for any work that could potentially foul the envelope of a train.

Wayfinding

Signs, maps, and other graphic or audible methods used to convey location and directions to travelers.

metro.net/projects/devreview/





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STATE OF CALIFORNIA

Gavin Newsom, Governor

NATIVE AMERICAN HERITAGE COMMISSION

DATE RECEIVED

AUG 13 2021



August 12, 2021

Jason Van Patten
City of Pasadena
175 N. Garfield Avenue
Pasadena, CA 91101

Re: 2021080103, Planned Development #39 (Affinity Project), Los Angeles County

Dear Mr. Van Patten:

The Native American Heritage Commission (NAHC) has received the Notice of Preparation (NOP), Draft Environmental Impact Report (DEIR) or Early Consultation for the project referenced above. The California Environmental Quality Act (CEQA) (Pub. Resources Code §21000 et seq.), specifically Public Resources Code §21084.1, states that a project that may cause a substantial adverse change in the significance of a historical resource, is a project that may have a significant effect on the environment. (Pub. Resources Code § 21084.1; Cal. Code Regs., tit.14, §15064.5 (b) (CEQA Guidelines §15064.5 (b)). If there is substantial evidence, in light of the whole record before a lead agency, that a project may have a significant effect on the environment, an Environmental Impact Report (EIR) shall be prepared. (Pub. Resources Code §21080 (d); Cal. Code Regs., tit. 14, § 5064 subd.(a)(1) (CEQA Guidelines §15064 (a)(1)). In order to determine whether a project will cause a substantial adverse change in the significance of a historical resource, a lead agency will need to determine whether there are historical resources within the area of potential effect (APE).

CEQA was amended significantly in 2014. Assembly Bill 52 (Gatto, Chapter 532, Statutes of 2014) (AB 52) amended CEQA to create a separate category of cultural resources, "tribal cultural resources" (Pub. Resources Code §21074) and provides that a project with an effect that may cause a substantial adverse change in the significance of a tribal cultural resource is a project that may have a significant effect on the environment. (Pub. Resources Code §21084.2). Public agencies shall, when feasible, avoid damaging effects to any tribal cultural resource. (Pub. Resources Code §21084.3 (a)). **AB 52 applies to any project for which a notice of preparation, a notice of negative declaration, or a mitigated negative declaration is filed on or after July 1, 2015.** If your project involves the adoption of or amendment to a general plan or a specific plan, or the designation or proposed designation of open space, on or after March 1, 2005, it may also be subject to Senate Bill 18 (Burton, Chapter 905, Statutes of 2004) (SB 18). **Both SB 18 and AB 52 have tribal consultation requirements.** If your project is also subject to the federal National Environmental Policy Act (42 U.S.C. § 4321 et seq.) (NEPA), the tribal consultation requirements of Section 106 of the National Historic Preservation Act of 1966 (154 U.S.C. 300101, 36 C.F.R. §800 et seq.) may also apply.

The NAHC recommends consultation with California Native American tribes that are traditionally and culturally affiliated with the geographic area of your proposed project as early as possible in order to avoid inadvertent discoveries of Native American human remains and best protect tribal cultural resources. Below is a brief summary of portions of AB 52 and SB 18 as well as the NAHC's recommendations for conducting cultural resources assessments.

Consult your legal counsel about compliance with AB 52 and SB 18 as well as compliance with any other applicable laws.

AB 52 has added to CEQA the additional requirements listed below, along with many other requirements:

1. Fourteen Day Period to Provide Notice of Completion of an Application/Decision to Undertake a Project: Within fourteen (14) days of determining that an application for a project is complete or of a decision by a public agency to undertake a project, a lead agency shall provide formal notification to a designated contact of, or tribal representative of, traditionally and culturally affiliated California Native American tribes that have requested notice, to be accomplished by at least one written notice that includes:
 - a. A brief description of the project.
 - b. The lead agency contact information.
 - c. Notification that the California Native American tribe has 30 days to request consultation. (Pub. Resources Code §21080.3.1 (d)).
 - d. A "California Native American tribe" is defined as a Native American tribe located in California that is on the contact list maintained by the NAHC for the purposes of Chapter 905 of Statutes of 2004 (SB 18). (Pub. Resources Code §21073).
2. Begin Consultation Within 30 Days of Receiving a Tribe's Request for Consultation and Before Releasing a Negative Declaration, Mitigated Negative Declaration, or Environmental Impact Report: A lead agency shall begin the consultation process within 30 days of receiving a request for consultation from a California Native American tribe that is traditionally and culturally affiliated with the geographic area of the proposed project. (Pub. Resources Code §21080.3.1, subds. (d) and (e)) and prior to the release of a negative declaration, mitigated negative declaration or Environmental Impact Report. (Pub. Resources Code §21080.3.1(b)).
 - a. For purposes of AB 52, "consultation shall have the same meaning as provided in Gov. Code §65352.4 (SB 18). (Pub. Resources Code §21080.3.1 (b)).
3. Mandatory Topics of Consultation If Requested by a Tribe: The following topics of consultation, if a tribe requests to discuss them, are mandatory topics of consultation:
 - a. Alternatives to the project.
 - b. Recommended mitigation measures.
 - c. Significant effects. (Pub. Resources Code §21080.3.2 (a)).
4. Discretionary Topics of Consultation: The following topics are discretionary topics of consultation:
 - a. Type of environmental review necessary.
 - b. Significance of the tribal cultural resources.
 - c. Significance of the project's impacts on tribal cultural resources.
 - d. If necessary, project alternatives or appropriate measures for preservation or mitigation that the tribe may recommend to the lead agency. (Pub. Resources Code §21080.3.2 (a)).
5. Confidentiality of Information Submitted by a Tribe During the Environmental Review Process: With some exceptions, any information, including but not limited to, the location, description, and use of tribal cultural resources submitted by a California Native American tribe during the environmental review process shall not be included in the environmental document or otherwise disclosed by the lead agency or any other public agency to the public, consistent with Government Code §6254 (r) and §6254.10. Any information submitted by a California Native American tribe during the consultation or environmental review process shall be published in a confidential appendix to the environmental document unless the tribe that provided the information consents, in writing, to the disclosure of some or all of the information to the public. (Pub. Resources Code §21082.3 (c)(1)).
6. Discussion of Impacts to Tribal Cultural Resources in the Environmental Document: If a project may have a significant impact on a tribal cultural resource, the lead agency's environmental document shall discuss both of the following:
 - a. Whether the proposed project has a significant impact on an identified tribal cultural resource.
 - b. Whether feasible alternatives or mitigation measures, including those measures that may be agreed to pursuant to Public Resources Code §21082.3, subdivision (a), avoid or substantially lessen the impact on the identified tribal cultural resource. (Pub. Resources Code §21082.3 (b)).

- 7. Conclusion of Consultation:** Consultation with a tribe shall be considered concluded when either of the following occurs:
- a.** The parties agree to measures to mitigate or avoid a significant effect, if a significant effect exists, on a tribal cultural resource; or
 - b.** A party, acting in good faith and after reasonable effort, concludes that mutual agreement cannot be reached. (Pub. Resources Code §21080.3.2 (b)).
- 8. Recommending Mitigation Measures Agreed Upon in Consultation in the Environmental Document:** Any mitigation measures agreed upon in the consultation conducted pursuant to Public Resources Code §21080.3.2 shall be recommended for inclusion in the environmental document and in an adopted mitigation monitoring and reporting program, if determined to avoid or lessen the impact pursuant to Public Resources Code §21082.3, subdivision (b), paragraph 2, and shall be fully enforceable. (Pub. Resources Code §21082.3 (a)).
- 9. Required Consideration of Feasible Mitigation:** If mitigation measures recommended by the staff of the lead agency as a result of the consultation process are not included in the environmental document or if there are no agreed upon mitigation measures at the conclusion of consultation, or if consultation does not occur, and if substantial evidence demonstrates that a project will cause a significant effect to a tribal cultural resource, the lead agency shall consider feasible mitigation pursuant to Public Resources Code §21084.3 (b). (Pub. Resources Code §21082.3 (e)).
- 10. Examples of Mitigation Measures That, If Feasible, May Be Considered to Avoid or Minimize Significant Adverse Impacts to Tribal Cultural Resources:**
- a.** Avoidance and preservation of the resources in place, including, but not limited to:
 - i.** Planning and construction to avoid the resources and protect the cultural and natural context.
 - ii.** Planning greenspace, parks, or other open space, to incorporate the resources with culturally appropriate protection and management criteria.
 - b.** Treating the resource with culturally appropriate dignity, taking into account the tribal cultural values and meaning of the resource, including, but not limited to, the following:
 - i.** Protecting the cultural character and integrity of the resource.
 - ii.** Protecting the traditional use of the resource.
 - iii.** Protecting the confidentiality of the resource.
 - c.** Permanent conservation easements or other interests in real property, with culturally appropriate management criteria for the purposes of preserving or utilizing the resources or places.
 - d.** Protecting the resource. (Pub. Resource Code §21084.3 (b)).
 - e.** Please note that a federally recognized California Native American tribe or a non-federally recognized California Native American tribe that is on the contact list maintained by the NAHC to protect a California prehistoric, archaeological, cultural, spiritual, or ceremonial place may acquire and hold conservation easements if the conservation easement is voluntarily conveyed. (Civ. Code §815.3 (c)).
 - f.** Please note that it is the policy of the state that Native American remains and associated grave artifacts shall be repatriated. (Pub. Resources Code §5097.991).
- 11. Prerequisites for Certifying an Environmental Impact Report or Adopting a Mitigated Negative Declaration or Negative Declaration with a Significant Impact on an Identified Tribal Cultural Resource:** An Environmental Impact Report may not be certified, nor may a mitigated negative declaration or a negative declaration be adopted unless one of the following occurs:
- a.** The consultation process between the tribes and the lead agency has occurred as provided in Public Resources Code §21080.3.1 and §21080.3.2 and concluded pursuant to Public Resources Code §21080.3.2.
 - b.** The tribe that requested consultation failed to provide comments to the lead agency or otherwise failed to engage in the consultation process.
 - c.** The lead agency provided notice of the project to the tribe in compliance with Public Resources Code §21080.3.1 (d) and the tribe failed to request consultation within 30 days. (Pub. Resources Code §21082.3 (d)).

The NAHC's PowerPoint presentation titled, "Tribal Consultation Under AB 52: Requirements and Best Practices" may be found online at: http://nahc.ca.gov/wp-content/uploads/2015/10/AB52TribalConsultation_CalEPAPDF.pdf

SB 18

SB 18 applies to local governments and requires local governments to contact, provide notice to, refer plans to, and consult with tribes prior to the adoption or amendment of a general plan or a specific plan, or the designation of open space. (Gov. Code §65352.3). Local governments should consult the Governor's Office of Planning and Research's "Tribal Consultation Guidelines," which can be found online at: https://www.opr.ca.gov/docs/09_14_05_Updated_Guidelines_922.pdf.

Some of SB 18's provisions include:

1. **Tribal Consultation**: If a local government considers a proposal to adopt or amend a general plan or a specific plan, or to designate open space it is required to contact the appropriate tribes identified by the NAHC by requesting a "Tribal Consultation List." If a tribe, once contacted, requests consultation the local government must consult with the tribe on the plan proposal. **A tribe has 90 days from the date of receipt of notification to request consultation unless a shorter timeframe has been agreed to by the tribe.** (Gov. Code §65352.3 (a)(2)).
2. **No Statutory Time Limit on SB 18 Tribal Consultation**. There is no statutory time limit on SB 18 tribal consultation.
3. **Confidentiality**: Consistent with the guidelines developed and adopted by the Office of Planning and Research pursuant to Gov. Code §65040.2, the city or county shall protect the confidentiality of the information concerning the specific identity, location, character, and use of places; features and objects described in Public Resources Code §5097.9 and §5097.993 that are within the city's or county's jurisdiction. (Gov. Code §65352.3 (b)).
4. **Conclusion of SB 18 Tribal Consultation**: Consultation should be concluded at the point in which:
 - a. The parties to the consultation come to a mutual agreement concerning the appropriate measures for preservation or mitigation; or
 - b. Either the local government or the tribe, acting in good faith and after reasonable effort, concludes that mutual agreement cannot be reached concerning the appropriate measures of preservation or mitigation. (Tribal Consultation Guidelines, Governor's Office of Planning and Research (2005) at p. 18).

Agencies should be aware that neither AB 52 nor SB 18 precludes agencies from initiating tribal consultation with tribes that are traditionally and culturally affiliated with their jurisdictions before the timeframes provided in AB 52 and SB 18. For that reason, we urge you to continue to request Native American Tribal Contact Lists and "Sacred Lands File" searches from the NAHC. The request forms can be found online at: <http://nahc.ca.gov/resources/forms/>.

NAHC Recommendations for Cultural Resources Assessments

To adequately assess the existence and significance of tribal cultural resources and plan for avoidance, preservation in place, or barring both, mitigation of project-related impacts to tribal cultural resources, the NAHC recommends the following actions:

1. Contact the appropriate regional California Historical Research Information System (CHRIS) Center (http://ohp.parks.ca.gov/?page_id=1068) for an archaeological records search. The records search will determine:
 - a. If part or all of the APE has been previously surveyed for cultural resources.
 - b. If any known cultural resources have already been recorded on or adjacent to the APE.
 - c. If the probability is low, moderate, or high that cultural resources are located in the APE.
 - d. If a survey is required to determine whether previously unrecorded cultural resources are present.
2. If an archaeological inventory survey is required, the final stage is the preparation of a professional report detailing the findings and recommendations of the records search and field survey.
 - a. The final report containing site forms, site significance, and mitigation measures should be submitted immediately to the planning department. All information regarding site locations, Native American human remains, and associated funerary objects should be in a separate confidential addendum and not be made available for public disclosure.
 - b. The final written report should be submitted within 3 months after work has been completed to the appropriate regional CHRIS center.

3. Contact the NAHC for:
 - a. A Sacred Lands File search. Remember that tribes do not always record their sacred sites in the Sacred Lands File, nor are they required to do so. A Sacred Lands File search is not a substitute for consultation with tribes that are traditionally and culturally affiliated with the geographic area of the project's APE.
 - b. A Native American Tribal Consultation List of appropriate tribes for consultation concerning the project site and to assist in planning for avoidance, preservation in place, or, failing both, mitigation measures.
4. Remember that the lack of surface evidence of archaeological resources (including tribal cultural resources) does not preclude their subsurface existence.
 - a. Lead agencies should include in their mitigation and monitoring reporting program plan provisions for the identification and evaluation of inadvertently discovered archaeological resources per Cal. Code Regs., tit. 14, § 15064.5(f) (CEQA Guidelines § 15064.5(f)). In areas of identified archaeological sensitivity, a certified archaeologist and a culturally affiliated Native American with knowledge of cultural resources should monitor all ground-disturbing activities.
 - b. Lead agencies should include in their mitigation and monitoring reporting program plans provisions for the disposition of recovered cultural items that are not burial associated in consultation with culturally affiliated Native Americans.
 - c. Lead agencies should include in their mitigation and monitoring reporting program plans provisions for the treatment and disposition of inadvertently discovered Native American human remains. Health and Safety Code § 7050.5, Public Resources Code § 5097.98, and Cal. Code Regs., tit. 14, § 15064.5, subdivisions (d) and (e) (CEQA Guidelines § 15064.5, subds. (d) and (e)) address the processes to be followed in the event of an inadvertent discovery of any Native American human remains and associated grave goods in a location other than a dedicated cemetery.

If you have any questions or need additional information, please contact me at my email address:
Andrew.Green@nahc.ca.gov.

Sincerely,



Andrew Green
Cultural Resources Analyst

cc: State Clearinghouse

SENT VIA E-MAIL:

September 1, 2021

jvanpatten@cityofpasadena.net

Jason Van Patten, Senior Planner

City of Pasadena, Planning and Community Development Department

175 North Garfield Avenue

Pasadena, California 91101

**Notice of Preparation of a Draft Environmental Impact Report for the Proposed
Affinity Project**

South Coast Air Quality Management District (South Coast AQMD) staff appreciates the opportunity to comment on the above-mentioned document. Our comments are recommendations on the analysis of potential air quality impacts from the Proposed Project that should be included in the Draft Environmental Impact Report (EIR). Please send a copy of the Draft EIR upon its completion and public release directly to South Coast AQMD as copies of the Draft EIR submitted to the State Clearinghouse are not forwarded. **In addition, please send all appendices and technical documents related to the air quality, health risk, and greenhouse gas analyses and electronic versions of all emission calculation spreadsheets, and air quality modeling and health risk assessment input and output files (not PDF files). Any delays in providing all supporting documentation for our review will require additional review time beyond the end of the comment period.**

CEQA Air Quality Analysis

Staff recommends that the Lead Agency use South Coast AQMD's CEQA Air Quality Handbook and website¹ as guidance when preparing the air quality and greenhouse gas analyses. It is also recommended that the Lead Agency use the CalEEMod² land use emissions software, which can estimate pollutant emissions from typical land use development and is the only software model maintained by the California Air Pollution Control Officers Association.

South Coast AQMD has developed both regional and localized significance thresholds. South Coast AQMD staff recommends that the Lead Agency quantify criteria pollutant emissions and compare the emissions to South Coast AQMD's CEQA regional pollutant emissions significance thresholds³ and localized significance thresholds (LSTs)⁴ to determine the Proposed Project's air quality impacts. The localized analysis can be conducted by either using the LST screening tables or performing dispersion modeling.

The Lead Agency should identify any potential adverse air quality impacts that could occur from all phases of the Proposed Project and all air pollutant sources related to the Proposed Project. Air quality impacts from both construction (including demolition, if any) and operations should be calculated. Construction-related air quality impacts typically include, but are not limited to, emissions from the use of heavy-duty equipment from grading, earth-loading/unloading, paving, architectural coatings, off-road

¹ South Coast AQMD's CEQA Handbook and other resources for preparing air quality analyses can be found at: <http://www.aqmd.gov/home/rules-compliance/ceqa/air-quality-analysis-handbook>.

² CalEEMod is available free of charge at: www.caleemod.com.

³ South Coast AQMD's CEQA regional pollutant emissions significance thresholds can be found at: <http://www.aqmd.gov/docs/default-source/ceqa/handbook/scaqmd-air-quality-significance-thresholds.pdf>.

⁴ South Coast AQMD's guidance for performing a localized air quality analysis can be found at: <http://www.aqmd.gov/home/regulations/ceqa/air-quality-analysis-handbook/localized-significance-thresholds>.

mobile sources (e.g., heavy-duty construction equipment) and on-road mobile sources (e.g., construction worker vehicle trips, material transport trips, and hauling trips). Operation-related air quality impacts may include, but are not limited to, emissions from stationary sources (e.g., boilers and air pollution control devices), area sources (e.g., solvents and coatings), and vehicular trips (e.g., on- and off-road tailpipe emissions and entrained dust). Air quality impacts from indirect sources, such as sources that generate or attract vehicular trips, should be included in the analysis. Furthermore, emissions from the overlapping construction and operational activities should be combined and compared to South Coast AQMD's regional air quality CEQA *operational* thresholds to determine the level of significance.

If the Proposed Project generates diesel emissions from long-term construction or attracts diesel-fueled vehicular trips, especially heavy-duty diesel-fueled vehicles, it is recommended that the Lead Agency perform a mobile source health risk assessment⁵.

In the event that implementation of the Proposed Project requires a permit from South Coast AQMD, South Coast AQMD should be identified as a Responsible Agency for the Proposed Project in the Draft EIR. The assumptions in the air quality analysis in the EIR will be the basis for evaluating the permit under CEQA and imposing permit conditions and limits. Questions on permits should be directed to South Coast AQMD's Engineering and Permitting staff at (909) 396-3385.

Mitigation Measures

In the event that the Proposed Project results in significant adverse air quality impacts, CEQA requires that all feasible mitigation measures that go beyond what is required by law be utilized to minimize these impacts. Any impacts resulting from mitigation measures must also be analyzed. Several resources to assist the Lead Agency with identifying potential mitigation measures for the Proposed Project include South Coast AQMD's CEQA Air Quality Handbook¹, South Coast AQMD's Mitigation Monitoring and Reporting Plan for the 2016 Air Quality Management Plan⁶, and Southern California Association of Government's Mitigation Monitoring and Reporting Plan for the 2020-2045 Regional Transportation Plan/Sustainable Communities Strategy⁷.

South Coast AQMD staff is available to work with the Lead Agency to ensure that air quality, greenhouse gas, and health risk impacts from the Proposed Project are accurately evaluated and mitigated where feasible. If you have any questions regarding this letter, please contact me at lsun@aqmd.gov.

Sincerely,

Lijin Sun

Lijin Sun

Program Supervisor, CEQA IGR

Planning, Rule Development & Area Sources

LS
LAC210819-03
Control Number

⁵ South Coast AQMD's guidance for performing a mobile source health risk assessment can be found at: <http://www.aqmd.gov/home/regulations/ceqa/air-quality-analysis-handbook/mobile-source-toxics-analysis>.

⁶ South Coast AQMD's 2016 Air Quality Management Plan can be found at: <http://www.aqmd.gov/docs/default-source/Agendas/Governing-Board/2017/2017-mar3-035.pdf> (starting on page 86).

⁷ Southern California Association of Governments' 2020-2045 RTP/SCS can be found at: https://www.connectsoocal.org/Documents/PEIR/certified/Exhibit-A_ConnectSoCal_PEIR.pdf.

Varsh, Tess

From: Andi Ceragioli <>
Sent: Tuesday, August 10, 2021 4:58 PM
To: Varsh, Tess
Subject: The Affinity Project - Planned Development #39 (465-577 S. Arroyo Parkway) - comment letters
Attachments: 2021-05-25-Design-Commission-3A-491-577-S-Arroyo-Prkwy-Public-Comment-Done.pdf; 2021-05-25-Design-Commission-3A-491-577-S-Arroyo-Prkwy-Public-Comment-Feldmann.pdf; 2021-05-25-Design-Commission-3A-491-577-S-Arroyo-Prkwy-Public-Comment-Little.pdf; 2021-05-25-Design-Commission-3A-491-577-S-Arroyo-Prkwy-Public-Comment-Marchioni.pdf; 2021-05-25-Design-Commission-3A-491-577-S-Arroyo-Prkwy-Public-Comment-Mulheim.pdf; 2021-05-25-Design-Commission-3A-491-577-S-Arroyo-Prkwy-Public-Comment-Smith.pdf; 2021-05-25-Design-Commission-3A-491-577-S-Arroyo-Prkwy-Public-Comment-Worrell.pdf; M.F. Schillaci ltr.pdf

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Hi Tess Varsh:

Attached are 8 letters in support of the Planned Development Project (#39) which will be considered by the Pasadena Planning Commission tomorrow, August. 11, 2021.

Thank you.

ANDI CERAGIOLI

██████████ | ██████████ | ██████████
2450 Mission Street, Suite 21 | San Marino, CA 91108

GOVERNMENT & COMMUNITY RELATIONS
PUBLIC AFFAIRS
LAND USE ENTITLEMENTS

ADVOCACY

Results Matter. 

Takeda, Michi

From: Darrell Done
Sent: Sunday, May 23, 2021 7:24 AM
To: Takeda, Michi
Subject: Affinity project on Arroyo Parkway

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I am writing in support of the proposed Affinity project on Arroyo Parkway.

I have lived and worked in Pasadena for over 40 years. The housing shortage continues to challenge our community and this project would allow older homeowners a viable option to move from their homes and remain within Pasadena. As an active Realtor in the area, I know that where to relocate if they were to sell, is a major concern with these seniors.

I have reviewed the plans and believe this medical and assisted living project is long overdue. These are complimentary uses, tied together with a very attractive courtyard between the historic buildings. This project will provide an ideal environment for people in the assisted living building to get together with family and friends, and to remain in the community they love. The medical/research building achieves the right level of prominence for this location, while still fitting in.

The thoughtful design will also encourage pedestrian activity down Arroyo Parkway from Old Pasadena. Having a Metro Station on each side will minimize traffic, which is also the right approach in this area.

Please work closely with the developer team to make any necessary refinements, and help make this project happen soon. It would be a terrific addition to the area and help with our shortage of single family homes.

Darrell Done

Coldwell Banker Realty

Sales Manager

Global Luxury Director

Architectural Properties Specialist

CalRE #01233781



GLOBAL
LUXURY

City of Pasadena Design Commission

Attention: Michi Takeda
Hale Building
175 N. Garfield Avenue, 2nd Floor
Pasadena, CA 91101

RE: 491-577 S. Arroyo Parkway Project

Dear Commissioners:

As a Pasadena resident, owning part of an historic building, (Pasadena's first co-op, The Barcelona,) I write to support the Affinity Project on Arroyo Parkway.

Pete Kutzer is the kind of developer that has a "goodness of fit" for Pasadena. When I was president of the South Pasadena Chamber of Commerce from 2003 to 2015, we got to know each other, and watch as three high-quality firms attempted to create an appropriate infill project called Downtown SouthPas. It was sensitive and right-sized for the community. Yet, all were pushed away for fear of change. Today, that same site is a sensitively designed and vibrant corner at Fair Oaks and Mission – a product of The Kutzer Company, who knew how to proceed to get both residents' embrace and commercial viability.

Pete and I met before the Pandemic and discussed The Affinity plans. Recently I reviewed the project again. It looks like an excellent mix of senior housing, medical offices and retail. It's close to the Metro Gold Line stop at Del Mar Station, and Metro buses 177 and others on Del Mar, as well as Pasadena Transit bus stops on California and S. Arroyo Parkway. If you conclude that the design respects the vision of the Design Review Board in preserving Arroyo Parkway buildings, concentrating the taller buildings near the Gold Line, and providing walkable, pedestrian friendly perimeter, then there are good reasons to approve these plans.

Pasadena, like many California communities, is trying to respond to housing demands, without destroying our neighborhoods. We're even opening up for ADUs. We've allowed density bonuses for housing on all three sides of me – blocking a once protected sightline of the City Hall dome and San Gabriel Mountains, for Barcelona Owners.

I do not see similar downsides to the Affinity. Instead, this proposal brings in a solution for Pasadena's families, with specialized housing, so they can stay local as they transition in their lives. Since it also brings in a healthcare component, it feels like a two-for one deal.

Thank you volunteering, for guiding Pasadena with design sensitivity as well as allowing for commercial viability. When a developer with a track record of respectful, right-sized, historically sensitive projects, such as The Kutzer Company, seek approval – I am very confident, and offer my support. I am at 626-710-2360 if you'd like to reach me.

Sincerely,


Scott Feldmann
The Barcelona

cc:

Pete Kutzer

May 18, 2021

City of Pasadena Design Commission
Attn: Michi Takeda
Hale Building
175 N. Garfield Ave. 2nd Floor
Pasadena, CA 91101

RE: 491-577 S. Arroyo Parkway

Dear Members of the Design Commission:

USC Chan Division of Occupational Science and Occupational Therapy is invested in supporting people of every age can enjoy life to the fullest. Our vision aspires to promote community, work, and living spaces that are inclusive and health-promoting, which includes attention to the design and flow of the physical space to craft a future environment where people thrive. In harmony with this vision, the Occupational Therapy Faculty Practice (OTFP) consults with organizations and communities that share our vision and core values that strive to create inclusive environments that consider the range individual needs across the lifespan. Specifically, we recognize that the health of the individual is in part constructed by a reciprocal interaction with their environment. While environmental adaptations are not novel in the realm of health and safety, OTFP supports the creation of environments that enhance well-being rather than solely decrease risk to health.

With this in mind, we have been supporting the applicant's team in the design of the Affinity Project in considering how community members might manage their physical health and mental well-being within the site (e.g., exercise facilities, community space, green space), how to facilitate safe and efficient navigation of the environment for individuals of all ability levels (e.g. cognition, vision, mobility), room designs that support open communication, and other health-promoting design choices. Throughout the last year, OTFP has been working with the applicant's team on ideation, design, and layout to explore and implement best practices including the consideration of design principles that support inclusiveness and productive aging. OTFP finds that the project is exemplary in design and function to support ease of use and enjoyment for all members of the community including but not limited to those with limited mobility.

As a partner in this exciting project, we look forward to continuing our collaborative process until completion. We look forward to continued work ensuring that all aspects of the site have been thoughtfully considered with respect to the breadth of diversity and abilities.

Sincerely,



Marissa Marchioni, OTD, OTR/L, CEAS
USC Occupational Therapy Faculty Practice



marissa.marchioni@med.usc.edu

Takeda, Michi

From: Steve Mulheim [REDACTED]
Sent: Tuesday, May 25, 2021 12:09 PM
To: Takeda, Michi
Cc: [REDACTED]
Subject: Affinity Project on Arroyo Parkway - Design Review Comment

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City of Pasadena Design Commission,

I am writing in support of the proposed Affinity project at 555 S. Arroyo Parkway. As the President and CEO of the Old Pasadena Management District, I have more than 15 years of experience in Pasadena, and have been fortunate to support the positive evolution of the community. I also have known the local principals (Pete Kutzer at Edgewood and Patrick Chraghchian at Adept) for many years, and have seen the quality and success of their projects, especially in thoughtful design that activates the streetscape and the surrounding areas.

While this project is not located within Old Pasadena and my Board has taken no official position, I believe that Affinity's combination of uses - including medical/research and assisted living - is particularly needed in Pasadena, and putting them next to each other near the Metro is a terrific idea. I especially appreciate the preservation of the historic buildings, the inviting common areas, and pedestrian-friendly nature of the improvements.

I look forward to the Affinity receiving all necessary approvals, and the positive impact it will have in the neighborhood, and in Pasadena as a whole.

Thank you,

Steve Mulheim
President & CEO
OLD PASADENA MANAGEMENT DISTRICT



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Takeda, Michi

From: Paul Little [REDACTED]
Sent: Tuesday, May 25, 2021 11:46 AM
To: Takeda, Michi
Subject: Support for Affinity Project on South Arroyo Parkway

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City of Pasadena Design Commission
Attn: Michi Takeda
Hale Building
175 N. Garfield Ave., 2nd Floor
Pasadena, CA 91109

Hello,

The Chamber of Commerce and Civic Association of Pasadena fully supports the project at Arroyo Parkway and Del Mar Boulevard.

The project will be attractive and re-energize an area that has fallen to neglect in recent years. Several aspects of the project will be significant and positive additions to Pasadena.

Thank you,

Paul Little
President and CEO

Mary Frances Schillaci

Pasadena, CA 91105

August 8, 2021

City of Pasadena
Planning & Community Development Department
175 North Garfield Avenue
Pasadena, CA 91101

RE: The Affinity Project Planned Development #39 – Providing Housing for Seniors

Planning Department:

The Affinity mixed-use development project, addresses two critical needs of The City of Pasadena. One, the need for additional medical office space for our growing medical and technology industry and two, housing for seniors.

Pasadena has among the highest concentrations of residents aged 50 and older in the Los Angeles region. According to market research, the Independent Living vacancy in 2019 was 0.5% for Pasadena. The Affinity will provide a much-needed option for people who wish to remain in the community as they age.

An added benefit, is its location near mass transit. Residents will have access to destinations throughout southern California and can possibly forego the need to own a vehicle. Proximity to the Metro line, also provides convenient access to onsite medical facilities to the broader community as well as nearby residents.

This seems like a great project for the Arroyo Parkway corridor.

Sincerely,


Mary Frances Schillaci

Takeda, Michi

From: GREGG SMITH [REDACTED]
Sent: Monday, May 24, 2021 4:52 PM
To: Takeda, Michi
Cc: [REDACTED]
Subject: Fwd: Affinity Project on Arroyo Parkway

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Sent from my iPad

Begin forwarded message:

[REDACTED]

Subject: Affinity Project on Arroyo Parkway

Dear Michi:

My brother and I are the tenants across the street from the proposed project, the Affinity Project. We own the Parkway Grill and the Arroyo Chophouse restaurants and we feel that this project is sorely needed in our great City.

As is apparent, the buildings that occupy the real estate in question have been dilapidated for years and have been an eye sore and in need of some much needed reimagined/vital new uses.

I can not think of a better location for Medical, Research and Assisted Living uses that have synergy that works extremely well together.

I very much like the plans for preserving the two historic structures across the street from our restaurants and using the courtyard between them as the public center of the project.

I also feel that the development is the perfect fit for that corner, and will bring the kinds of jobs and economic activity that has been missing for the last couple of decades.

I feel that the proximity to Huntington Memorial Hospital is ideal.

My brother and I have hosted our Fall Food and Wine Festival at Parkway Grill and the Chophouse for the past 37 Years with all proceeds going to the Hospital. The funds have generally gone to the Trauma Center as more and more hospitals have closed theirs due to the expense involved in operating their own. This has been a very important endeavor for us, as one never knows when a family member or loved one may need to go to a Great Trauma Center.

In my opinion this project is long overdue.

We are 100% in favor of the Affinity Project.

Best to you,

Gregg Smith

Sent from my iPad

Takeda, Michi

From: Julianne Worrell [REDACTED]
Sent: Monday, May 24, 2021 11:11 AM
To: Takeda, Michi
Cc: Pete Kutzer
Subject: The Affinity Planned Development, 555 S. Arroyo Parkway, Pasadena

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Attention:

City of Pasadena Design Commission
Michi Takeda
Hale Building
175 N. Garfield Avenue, 2nd Floor
Pasadena, CA 91101

Dear Commissioners:

I am a 34 year resident of Pasadena and a former commissioner in the City. I therefore appreciate what you do and the time that you devote to reviewing and considering projects for our City.

I am writing to you to express my opinion that an assisted living project is an important component for our City now and in the future. We all are aging and at some point, many of us may need a place where cutting-edge healthcare and research is available outside the hospital environment. It is then, if not right now, when we would look to The Affinity, and find a well designed, state of the art and (travel) accessible resource.

I have reviewed the Affinity Planned Development proposal and appreciate that it makes very good use of the space at 555 S. Arroyo Parkway. The location is very appropriate for access given the Gold Line stations, reducing potential traffic. The building designs works well with the existing historic structures and, being a fan of natural light and outdoor spaces, I again think this design (incorporating courtyards, and extensive landscaping) provides a very inviting atmosphere for potential residents as well as the entire community, if and when they have an opportunity to visit the facility.

I think The Affinity Planned Development would be a welcome asset to the City, for all residents now. With the evolving and expanding world of healthcare, it should also provide great potential for the future.

Thank you again for the time you are devoting to the review and consideration of this project.

Varsh, Tess

From: Andi Ceragioli [REDACTED]
Sent: Wednesday, August 11, 2021 12:00 PM
To: Varsh, Tess
Subject: The Affinity Project - Planned Development #39 (465-577 S. Arroyo Parkway) - comment letter
Attachments: Michelle Ficarra.pdf

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Hi Tess Varsh:

Attached is a letter in support of the Planned Development Project (#39) which will be considered by the Pasadena Planning Commission today, August. 11, 2021.

Thank you.

ANDI CERAGIOLI



GOVERNMENT & COMMUNITY RELATIONS
PUBLIC AFFAIRS
LAND USE ENTITLEMENTS

ADVOCACY

Results Matter. 

Michelle Ficarra

Pasadena, CA 91107

August 11, 2021

City of Pasadena
Planning & Community Development Department
175 North Garfield Avenue
Pasadena, CA 91101

RE: PD#39 - Affinity Project – 465-577 S. Arroyo Parkway

Planning Commissioners:

Frequently the need for more housing is in the news. However, we don't often hear about the need for new housing for seniors. The Affinity Project is a mixed-use development that will provide both assisted and independent housing options for seniors. The project will also include much needed medical office space in the growing medical and technology corridor near Huntington Memorial Hospital.

I think this project will be a welcome addition to the area that will provide health and wellness services to residents and the greater community as well. I hope to see the project move forward in a timely manner so we can see the positive economic benefits this plan will bring to our town.

Best regards,


Michelle Ficarra



August 10, 2021

Planning Commission
City of Pasadena
100 North Garfield Ave.
Pasadena, CA 91101

Re: 491-577 Arroyo Parkway

Dear Commissioners

Livable Pasadena is very concerned about the proposed project at 491-577 Arroyo Parkway. This massive project would substantially change the feel of a major entry point to Pasadena. It would transform Arroyo Parkway from a commercial district into a medical care corridor. The project also would dramatically increase our water usage, which we already are being asked to reduce. The impact this project would have on our water should be studied as part of the EIR.

As designed, this project would loom over everything nearby. There are very little setbacks and practically no green space. There are two landmark districts and a historic district within a block of the proposed project. And yet there are no proposed buffers between this gigantic development and the existing adjacent neighborhoods. The neighborhoods, and the livability of this area, need to be protected. The proposed project should be held to the fifty feet requirement in that area and should be required to maintain setbacks. This is essential to maintain the trees, sidewalks, and neighborhood feel of the area.

This proposed project also would negatively impact the surrounding area by adding significantly to the noise, lighting, and traffic on already congested streets. The surrounding neighbors now fight high traffic volume and traffic congestion along Marengo, California, and the surrounding streets. The streets are not going to be able to absorb the car traffic envisioned by the developer. Increasing traffic not only impacts the commuters in the immediate area, but also would push increased traffic to surrounding streets and could affect the safety of all pedestrians, bikers, and other drivers. We urge the Planning Commission to require traffic impact studies before any project of this magnitude is considered. The streets in question here already are operating at an LOS of F. The study should consider how to mitigate the impact of traffic or the area will become completely impassable.

Traffic is a very serious consideration in Pasadena. Livable Pasadena raised community funds to do a traffic study, looking at traffic conditions and traffic operations in Pasadena – particularly in light of the large development projects that are being proposed. The study examined traffic as a system, rather than narrowly looking at a single intersection. It is important to look at traffic as a whole and how it interconnects. The single LOS statistics for any given intersection may hide real problems because the LOS (such as in the city's

traffic studies) is reported as the average of all four-intersection approaches. For example, you can have a LOS F on one approach with cars backed up and waiting through multiple signal cycles, and a free-flowing LOS A on another approach. The average of these two intersections would be LOS C, which could be viewed as adequate. Traffic reports that only show the overall average LOS will gloss over the real problems. The impact of new development, and the resulting additional traffic, could be under-estimated and would negatively impact an already bad situation. This traffic study also looked at traffic conditions leading up to an intersection, including the long delays of some approaches. We observed, for example, that at the intersection of Arroyo and California cars are waiting up to 4 signal cycles. This can result in aggressive driving, in which cars are running red lights trying to get through the signal rather than wait another light. This makes a very unsafe situation for pedestrians, people on bicycles, and other drivers. And this is before the dramatically increased traffic that would come with the proposed project. We hope that the city will take seriously the findings of this study and will incorporate these issues into the scope of the EIR.

Finally, Livable Pasadena supports the important concerns raised by the Magnolia Landmark District and supports the Planning Commissioners' proposed moratorium on Planned Developments. As explained by the Magnolia Landmark District, the proposed project conflicts with the development goals of our General Plan. The project undeniably will increase the daily car trips throughout Pasadena and does nothing to help alleviate the need for car related travel. Adding 650 parking spaces does not Pasadena more walkable. Is this what was envisioned in our Mobility Element? Certainly, the answer is no. We urge the Planning Commission to require the developer to bring this proposed development in-line with our General Plan. Indeed, the proposed moratorium on planned developments would allow the city the time to ensure that there is consistency between developments and city planning documents. Planned Developments, by their very nature, directly impact large portions of Pasadena. It is critical that they align with our General and Specific Plans.

Thank you,

Megan Foker

On behalf of Livable Pasadena

Varsh, Tess

From: Grant Johnson <>
Sent: Tuesday, August 10, 2021 8:07 PM
To: Varsh, Tess; Van Patten, Jason; Reyes, David
Subject: Comments submitted for Planning Commission Aug 11 meeting
Attachments: PRISM COMMENTS on Planned Development #39 - Affinity Project for LIVABLE PASADENA.pdf

Follow Up Flag: Follow up
Flag Status: Flagged

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To whom it may concern:

I am respectfully submitting my comments for the Planning Commission meeting to be held August 11, 2021, pertaining to the Planned Development #39 - Affinity Project, and have attached this comment letter to this email, to be officially entered into the record. I work for Pasadena residents in the "Livable Pasadena" group as a Traffic Engineer, registered in the State of California, and am an Expert Witness in Traffic Engineering and traffic studies.

Grant

--

Grant Johnson, TE
Principal



August 10, 2021

To:

Planning Commission
City of Pasadena
100 North Garfield Ave.
Pasadena, CA 91101

RE: City of Pasadena, Planning Commission Meeting
To be held on August 11, 2021 for the purpose of scoping an EIR for the
Planned Development #39 - Affinity Project

Dear Honorable Planning Chair and Commissioners,

“Livable Pasadena” has previously hired PRISM Engineering to conduct a comprehensive traffic study to determine measured real-world traffic conditions in the City. This study was previously submitted to the City (dated 3/14/20). I am referencing in this letter the online location where this document can be downloaded again as needed:

<http://www.prism.engineering/pasadenatrafficvids.html>

I have been asked by “Livable Pasadena” to comment on the salient concerns relating to traffic conditions and impacts that could be anticipated by the proposed ***Development #39 - Affinity Project***. The project will be located along the west side of Arroyo Parkway between E. Bellevue Dr. and E. California Blvd., and will construct an additional 154K SF of Medical Office building, a 184K SF Assisted Living building, 197 new DU, and 650 additional parking spaces, bringing the project block total to 850 parking spaces, mostly for cars, in 5 levels of underground garage.

Comment #1

By its very design and plan, it seems that the project’s focus is to become a huge magnet for cars, by providing 850 parking spaces in such a small area of the City. The City has been working for more than a decade to become a city that depends less on the car, so this project seems to actively fight against that stated goal, and in fact would help defeat it. In the City’s ***General Plan Mobility Element*** there is a stated goal or guiding principle to make the City of Pasadena “***a city where people can circulate without cars***” (*Principle 5 of 8 Guiding Principles in General Plan Mobility Element*). The project does not seem to be even remotely compatible with the City’s stated goals, as contained in the General Plan legal document. “Vehicle Traffic” is a major component of this project with 850 parking spaces (200 existing and 650 additional), and as such will have a huge traffic impact to Arroyo Parkway and any nearby intersections, because it will be bringing into an already extremely congested LOS F roadway system, 650 more cars, possibly every hour on the hour, depending on turnover times in the



850 space parking garage. These additional thousands of vehicles per day will create a potential *safety-compromising* impact (an EIR impact that must be examined) to the local intersections surrounding the project. One of these intersections on the southeast corner of the project has already been identified as extremely overly congested (E. California at Arroyo) with LOS F conditions. There have also been several accidents at or near this intersection over the past few years that include rear end accidents on Arroyo, a broadside accident on California striking the Light Rail Train, and several last minute high risk intersection turns (relating to running of red lights on account of extreme congestion) in the intersection. Many injuries have been the result of these accidents (which are easily searchable on the State's traffic accident database system). There is a pattern of accidents at this location, and possibly others nearby as well.

Comment #2

During an am peak hour or a pm peak hour, often a parking garage experiences its greatest inbound and outbound traffic flows. In an 850 space parking garage related to homes and doctors, these parking spaces will likely empty and fill up several times in a day. In other words, it will be more than 850 cars coming and going in an hour, but much higher on a daily basis. This should be studied as part of a comprehensive traffic study, to see where these cars can possibly come from, and where they can exit, in order to lessen the extreme impact that is anticipated. Traffic on Arroyo and California is already at peak congestion levels, with cars missing the signal cycle nearly as a default now. Adding an additional 650 cars to the mix will have uncertain results, but it will most certainly be LOS F much worse than the LOS F that already exists (over 3 signal cycles delay for Arroyo traffic). It will likely result in more drivers becoming more aggressive, impatient, taking chances, running red lights, or hitting a train, or a pedestrian, or a cyclist. This project will bring so much traffic to the immediate area surrounding the project that the area will become even more unfriendly to bikes, peds, and cars as well. It will result in too much traffic.

Comment #3

When traffic volumes in a congested area become too high, the solution of the past has been to build bridges, build a freeway, or an expressway, in order to reduce the number of conflicts of high volumes of traffic. When traffic volumes are allowed to cross paths, when the volumes are extremely high, this creates a dangerous condition. It creates aggressive driving. The opposite of traffic calming will occur. The City, if they approve this project, would be obligated by its own General Plan to mitigate the traffic impacts and to find solutions where the vehicle traffic will not thwart the stated goals of the General Plan Mobility Element (to create a car-free circulation option). In addition, the EIR would need to address the obvious impacts to safety that will occur in the future should the parking be allowed. Traffic accidents and congestion are already at unacceptable levels. Increasing the traffic by 650 cars is an extremely high number of cars to add to a congested roadway system.

Comment #4

VMT (Vehicle Miles Traveled) is an environmental impact addressed in an EIR. This project, with its 850 parking spaces, will significantly increase the VMT to the area surrounding the project. The project's density cannot possibly be any real-world "offset" to the very real and significant traffic and safety impacts that will simultaneously take place, as a direct result of the project. The huge increase to vehicle miles traveled (VMT) coming into the area as a result of 850 parking spaces in a highly concentrated area will be an impact that cannot be mitigated without significant infrastructure changes (including building bridges, and eliminating traffic signals and resulting delays). This vehicle magnet (the parking garage), to be located in one of the most congested areas of the City, seems like a plan that is highly incompatible with the City's stated goals and guiding principles as contained in the City's General Plan, as well as the Mobility Element.

Respectfully submitted,

Grant P. Johnson, TE
Principal Engineer
PRISM Engineering



This comment letter has been prepared and certified by Grant P. Johnson, TE, Principal. Lic #1453

for:

LIVABLE PASADENA

PASADENA, CA 91105

www.prism.engineering



PRISM Engineering

Comments on EIR Scoping for Planned Development #39 - Affinity Project, Pasadena, CA



August 25, 2021

Att: Jason Van Patten

Senior Planner

City of Pasadena

Planning and Community Development Department

175 North Garfield Ave.

Pasadena, CA 91101

Re: 491-577 Arroyo Parkway

Dear Mr. Van Patten:

Livable Pasadena would like to submit the following additional concerns and requests for inclusion in the EIR for the proposed project.

First, we believe that, as a threshold issue, the drafting of an EIR for this project is premature. The proposed project is not “stable,” which is a requirement under CEQA. CEQA requires that an EIR contain “[a]n accurate, stable and finite project description.” (*Cty. of Inyo v. City of Los Angeles* (1977) 71 Cal. App. 3d 185, 193; see also *Washoe Meadows Community v. Department of Parks and Recreation* (2017) 17 Cal.App.5th 277, 288; CEQA Guidelines § 15124.) For example, in the recent case, *Stoipthemillenniumhollywood.com v. City of Los Angeles* (2019) 39 Cal.App.5th 1 (“*Millennium*”), the court held that a project description was inadequate under CEQA when the EIR failed to specify “the siting, size, mass, or appearance of any building proposed to be built at the project site” and only provided an “impacts envelope” with “conceptual” designs. (Id. at 18.) The developer at issue here has presented two different concepts for their proposed project, resulting in an inconsistent and unstable project description. That could trigger different building designs and different physical layouts, which could result in significantly different project impacts. Until the physical concept is firm, the project does not qualify for an EIR under CEQA.

Furthermore, the purpose and intended use of the project still is uncertain. The developer has proposed several different uses for the project space and has not settled on a final project. The change of the use could dramatically change the impact the project has on the community. For example, various projects could differ greatly in the use of water, the impact on traffic, and the impact on air quality. Therefore, until the proposed project is clearly defined, both in physical planning and in use, an EIR is premature. Once the project is finalized, the EIR will have to include all possible projects and all possible building specifics. Currently, however, it is just too early to move to the EIR drafting stage. Without a firm physical concept and clearly defined use for the project, an EIR would fail to meet CEQA’s fundamental purpose to “provide public agencies and the public in general with detailed information about the effect which a proposed project is likely to have on the environment.” (Pub. Resources Code, § 21061.) The unstable project description included in the initial study fails to meet CEQA’s public disclosure objectives.

If the city is determined to continue with this project and draft an EIR, Livable Pasadena urges the city to include a study and analysis of the impact this project would have on our water and on the heat index. Only a week ago, the City Council announced a dire water shortage and increased city-wide restrictions on water consumption. This alone should be enough of a reason to add a study of the impact on water usage to the EIR. We asked for a full water analysis in our earlier letter, and we reiterate that request here. We also have asked City Council to require a water use analysis for all projects. The potential impact of this massive project on our water supply is too great to ignore. The project proposes development with significantly more density than included in any approved land use plan for the city and thus would not have been included in the city's urban water management plan. Due to the high levels of water usage that would be required for medical and assisted living uses, preparation of a water supply assessment or other water use analysis must be included in the EIR. Just because the impact is unknown does not mean that the impact goes away. Pasadena cannot go into the project blind.

Climate change is very real. Adding a project of this magnitude with limited green space, while also taking away existing mature trees on the site, will only exacerbate the problems we are facing with increased heat. We will lose the shade giving and cooling impact on our neighborhoods from mature trees and green planting. The proposed above ground tree boxes will not make up for this loss. The result will be increased concrete area, increased car emissions, and an increased heat index. We would be creating an urban heat island effect, which is intensified in areas with large swaths of concrete or blacktop. An urban heat island is described as "dense urban areas with fewer trees, less green space, more buildings, higher energy use, and more impervious asphalt and concrete. These characteristics create urban heat islands where nighttime temperatures may be as much as 22°F higher than surrounding areas." *Climate Change, Health, and Equity: A Guide for Local Health Departments* (2018)¹. This study also demonstrates that increased heat levels can result in significant health impacts. CEQA requires an EIR to analyze health impacts as well as increased energy usage. (CEQA Guidelines § 15126.2 [EIR must analyze "health and safety problems" resulting from the project]; *Sierra Club v. County of Fresno* (2018) 6 Cal.5th 502, 510; CEQA Guidelines App. G, VI.) The impact this project would have on our heat index, therefore, should be carefully considered as part of the EIR.

We ask the city to slow down and require a fully developed project before moving to the EIR planning stage. Once the drafting of an EIR is appropriate, we urge the city to include a study of the impacts this project will have on our water and on our heat index, as well as the other concerns raised in our earlier letter.

Megan Foker
On behalf of Livable Pasadena

¹ available at:
https://www.apha.org//media/files/pdf/topics/climate/guide_section4.ashx?la=en&hash=118F4FD2E4719EF51A76C0B0865BAEF57BEB7EDB ("*Climate Change, Health, and Equity*").



August 10, 2021

Planning Commission
City of Pasadena
100 North Garfield Ave.
Pasadena, CA 91101

The Madison Heights Neighborhood Association is disappointed to see this planned development moving through the city process so quickly. As you can imagine, MHNA residents are surprised by and deeply concerned about what is currently proposed. The loss of 23 trees alone is a considerable issue, but the addition of 650 new parking spaces, traffic, loss of mountain views, limited walkability, minimal addition of green space, and lack of community outreach are also serious problems. These seem to violate key tenets of the City's General Plan, especially the mobility element and protecting single-family neighborhoods. We hope the city and commission will find a way for the environmental report to respond to the following concerns:

1. How will residents of MHNA be able to access transportation resources as the area becomes severely impacted by the number of vehicle trips this project will produce ☐
2. Will the cumulative impacts of ALL future development adjacent to the area be studied ☐
3. How will this project enhance the surrounding historic neighborhoods and not overshadow established single family areas ☐
4. How will the City address the water issue, considering we are already being asked to limit our use ☐

Pasadena is a great city, and our residents should be heard to help keep it that way.

Thank you,

John Latta



August 10, 2021

Planning Commission
City of Pasadena
175 North Garfield Avenue
Pasadena, CA 91109

RE- 465-577 Arroyo Parkway

The residents of Magnolia Avenue are alarmed by the planned development proposal to build both a 154,000 square-foot medical office building and a 184,376 square-foot, 92-unit assisted living complex (complete with 850 parking spaces) just a block and a half from our historic boundaries.

This project does not adhere to the goals of our General Plan, which aims to make Pasadena a city where people can circulate without cars. Non-auto travel is emphasized in our General Plan in order to recognize the goal of improving Pasadena's environment and quality of life, but medical office use is one of the highest trip-generating uses with employees and patients coming and going all day. Consider the services that are required for this type of care facility and medical office:

- ☐ Arrivals and departures of staff three times per day for caregiver shifts, as well as daily shifts of administrative, nursing, housekeeping, food service and maintenance departments;
- ☐ Daily deliveries of food, pharmaceuticals, and supplies;
- ☐ Multiple trash pick-ups for regular trash, medical waste, and recycling;
- ☐ Visits by the family and friends of as many as 100 residents;
- ☐ Regular visits by medical professionals, social workers, therapists, nurses, care managers, hospice staff, fiduciaries, consultants, entertainers, etc.;
- ☐ Technician visits for maintenance of facility equipment, resident TVs, telephones, computers, etc.;
- ☐ Occasional movers for residents moving in or out; and
- ☐ Emergency vehicles at any time of the day or night. (This happens because facility procedures require that whenever a resident has a fall and there is an injury, or if a resident suddenly has a serious health condition, facility staff are required to call 911, which almost always results in blaring sirens.)

All of these activities will transform the adjacent historic neighborhoods of quiet streets and single-family homes into very busy and noisy living environments. Why not plan this development near Huntington Hospital, where the zoning, streets, and infrastructure are already in place to support this type of traffic? The truth is that Arroyo Parkway was never meant to be a medical corridor or accommodate such massive transportation needs. This is the wrong place for this complex especially with the Metro train crossing. We ask this commission to closely look at the intersection of Marengo and California for safety purposes for all transportation uses. This intersection frequently backs up from the train crossings and is unsafe for bikes, walkers and cars. Safety IS an environmental impact and must be reviewed closely for this project to proceed.

Pasadena Land Use regulations were meant to help neighborhoods evolve without sacrificing their unique characteristics or charm. The sheer number of parking spaces alone proves that there is no intention of reducing car usage for this proposed development. This proposed use will erode our surrounding historical neighborhood if it moves forward, and therefore the commission must find a way to focus on reducing car usage for this proposed development.

The other issue that needs to be addressed is of the concern that we already have so many skilled nursing and assisted living facilities within our city limits, specifically along Fair Oaks. We appreciate the present need for elder care right now, but this commission needs to ensure we are not creating an over-abundance of this type of facility in our city.

As with so many other cases, it seems that the guidance of our General Plan is thrown out the window and properties are green-lit for whatever a developer can dream up. This planned development is completely incompatible with our General Plan, which promises to *protect* the character of our neighborhoods. This commission needs to appreciate and respect the differences between healthy, comfortable residential neighborhoods, and thriving commercial districts. We wholeheartedly agree with the handful of commissioners who would like to consider suspending PDs until the specific plan process is complete. We must ensure this idea of a high-growth, high-density model for Arroyo Parkway and South Fair Oaks Specific Plan has been thoroughly discussed throughout our community before moving forward. As of now, public participation has been down for the last year and a half due to COVID and most local residents are not even aware of this massive project.

This development is too tall, lacks enough green space, and will cause massive use of cars next to our neighborhood. This part of Pasadena does not have the proper infrastructure to support such an endeavor, and we are concerned that all of this new traffic will make it nearly impossible for residents to access adjacent roads for our own transportation needs. Please help.

Thank you for your consideration,
Residents of Magnolia Landmark District

Varsh, Tess

From: Chuck Livingstone [REDACTED]
Sent: Wednesday, August 11, 2021 3:17 PM
To: Varsh, Tess; jvanpatton@cityofpasadena.net; Reyes, David
Subject: Fwd: Message from KM_C450i left
Attachments: image001.jpg; SKM_C450i l21081115100.pdf

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Letter from Pasadena Beautiful Foundation regarding 465-577 Arroyo Parkway

----- Forwarded message -----

From: [REDACTED]
Date: Wed, Aug 11, 2021 at 3:11 PM
Subject: Message from KM_C450i left
To: [REDACTED]

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Best Regards,



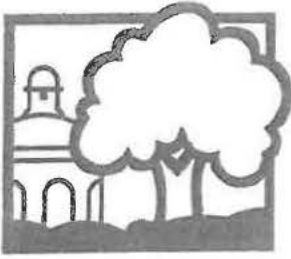
Charles "Chuck" Livingstone
Realtor



CalRE# 01203399



Coldwell Banker Realty



Pasadena Beautiful Foundation

"Protecting Our Trees"

August 11, 2021

PBF Officers

President — Brad Hanson
Vice President — Suzi Miller
Secretary — Patricia Lyon &
Joyce McGhee
Treasurer — John Poer
Past President
Chuck Livingstone
Nominating
Brooke Larsen Garlock

Tree Program Chair
Emina Darakjy

Board of Directors

Max Brennan
Hilary Clark
Bette Cooper
Caryn Hofer
Page Jackson
Chandra King
Ann Kneedler
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Carol Thomson
Betsey Tyler
Teri Weeks
Polly Wheaton

Planning Commission

City of Pasadena
175 North Garfield Ave
Pasadena, CA 91109

RE- 465-577 Arroyo Parkway

In review of the proposed 154,000 square-foot medical office building and a 184,376 square-foot, 92-unit assisted complex (complete with 850 parking spaces) just a block and a half from historic boundaries. Also, not to mention next to the Goldline, one of the busiest intersections in Pasadena. Not to mention the traffic issue, but consider the water usage associated with the medical aspect and the 92-units.

As past President of Pasadena Beautiful Foundation, I ask that consideration to the design to include a design more compatible to Pasadena's historic contribution to trees and garden design, not a commercial design building that is out of touch with Pasadena's historic architectural status. Pasadena has a well known history with trees and plantings that enhance our values and enhance the City of Pasadena. Look at the Neuroscience Building at Cal Tech on the corner of Wilson and Del Mar Blvd, also to mention the HMRI building on S Fair Oaks, and the Kaiser Medical on the corner of Green and Los Robles. great examples of design that compliments the City of Pasadena. We need to consider more green space in the final, overall design.

In as much the EIR meeting is occurring tonight, I would suggest that an EIR of water usage be addressed too.


Chuck Livingstone

Past President

August 10, 2021

Planning Commission
City of Pasadena
100 North Garfield Ave.
Pasadena, CA 91101

Re: 465-577 Arroyo Parkway

Protect Pasadena Trees is an organization which works to maintain and encourage a healthy tree canopy within Pasadena boundaries. It is imperative we ensure that the city we pass down to our children isn't made of just parking lots and concrete developments as we grow to provide more commercial districts and housing. The planned development for 465-577 Arroyo Parkway is very concerning to our organization because there are areas within the plan where setbacks are set at zero along Arroyo Parkway which does not allow for in-ground tree planting anywhere around the periphery of the development.

Our new specific plan must adopt more stringent policies on tree planting and protection both on public and private property, including the following:

- We should not allow subterranean garages from going lot line to lot line, destroying all trees on the property;
- We must require planting of large trees between building lot lines to create an urban canopy within dense urban areas;
- We must require street setbacks to be changed to encourage the integration of trees into new development plans, and the city must show demonstrated effort in encouraging the developer to design with trees in mind. It is concerning areas adjacent to single family homes of Madison Heights would be directly abutting such drastic concrete deserts

City staff and council are responsible for protecting us from development that contradicts this fundamental imperative. While our city does have some tree ideals in place, it is clear they are not enough, particularly in the Central District and South Fair Oaks Specific Plan. The city needs to take a stronger stance on incorporating mature trees into our urban center. We must create a city that has strong urban forestry efforts with dense vegetation and a beautiful urban canopy. We need to band together and insist on stronger and more stringent views towards our urban canopy.

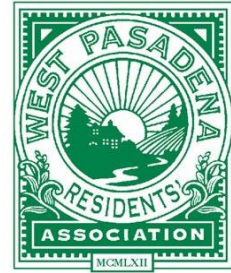
Aside from diminishing the beauty of the city's streetscape by requiring zero setbacks, maintaining mature trees has the practical and effect of reducing the heat island effect, which occurs in cities with an excess of concrete and a shortage of vegetation. Many communities are now taking steps to reduce urban heat islands through policy initiatives which include stronger tree and landscape ordinances, comprehensive plans and design guidelines protecting trees, and zoning codes which provide enough perimeter around new buildings to plant trees in order to create canopies. If we don't follow suit, we are putting at risk the trees that provide the

evaporative cooling needed to keep our urban heat island index low. We have all experienced the high temperature and pollution of those hot summer days in our city, and the removal of trees has been a major contributor. The current solution adopted by developers, potted plants on concrete, will never provide protection from growing urban heat islands the way a mature canopy of trees will.

Pasadena has been purposefully developing a tree canopy since 1855, when trees were first planted along city streets. Since the city is in the midst of revising all of the Specific Plans, we as citizens need to question this policy of urban edge development as it relates to our tree canopy. We have an opportunity to voice our concerns and shape the guidelines that will affect our city for decades. All future big developments like 465-577 Arroyo Parkway must take our tree canopy into consideration. It is the city's duty to protect its current residents from development that might hinder the livability of our city which includes a healthy and walkable environment.

Thank you,

Frances Morrison, on behalf of Protect Pasadena Trees



September 2, 2021

Jason Van Patten, Senior Planner
City of Pasadena
Planning and Community Development Department
175 North Garfield Ave.
Pasadena, CA 91101
VIA EMAIL

Re: 491-577 Arroyo Parkway – “Affinity Project”

Dear Mr. Van Patten:

The WPRA contends that the drafting of an EIR for the Affinity Project is premature and will not be acceptable until the developers define and commit to the use of Building A. According to the project description published on Pasadena’s website:

...the proposed PD Plan would provide the flexibility to exchange the uses in Building A from medical office and ground floor commercial for the following:

- *3,000 sf of commercial and a sales/leasing management office on the ground floor;*
- *Up to 197 residential dwelling units;*

Consequently, the proposed project is not “stable,” a requirement under CEQA which requires an EIR to contain a finite project description. Until the physical concept is firm, the project does not qualify for an EIR under CEQA.

Furthermore, the WPRA urges the city to include a comprehensive analysis of the impact this project would impose on our city’s water usage. A building of apartments and/or condominiums would have a much different water and sewer need than medical offices. Also, the traffic flow exiting and entering Building A would be different for living units than for offices.

Until the proposed project is clearly defined, both in physical planning and in use, an EIR is premature. The WPRA strongly encourages the City to press for focus on this project and publish the finalized use of Building A before progressing any further.

Thank you for your consideration of our point of view.

Respectfully,

A handwritten signature in black ink, appearing to read "Dan Beal". The signature is fluid and cursive, with the first name "Dan" and last name "Beal" clearly distinguishable.

Dan Beal, President
West Pasadena Residents' Association
For the Board of Directors

C: Councilmember Steve Madison
Takako Suzuki, Field Representative

The WPRA is an all-volunteer organization dedicated to maintaining and enhancing the quality of life in southwest Pasadena. We represent over 7,000 households, including 1,000 paid members.

Varsh, Tess

From: Bazarevitsch, Natalie @ LA North [REDACTED]
Sent: Tuesday, August 10, 2021 11:29 AM
To: Varsh, Tess
Cc: Reyes, David
Subject: The Affinity Wellness Campus, Pasadena

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Good Morning,

As a long-time Linda Vista resident, I am in support of The Affinity Project on South Arroyo Parkway. The project will bring much-needed assisted living to the heart of the City, making it easier to stay in Pasadena near family as they age. My father is an assisted living facility, so I know how valuable they are to a community.

The new medical/research facilities within the project will provide a great boost to the medical research corridor. The timing for the project could not be better as we watch the healthcare and life sciences industries grow. It is exciting to see Pasadena at the forefront of this growth and for The Affinity to help make the long-time vision for this area a reality.

Best, Natalie

Natalie Bazarevitsch | Senior Vice President | Broker Lic. 01188604
CBRE | Advisory & Transaction Services | Investor Leasing



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From: [Nina Chomsky](#)
To: [Van Patten, Jason](#)
Subject: CEQA Scoping Comments: PD 39; Affinity Project
Date: Friday, September 3, 2021 2:51:18 PM

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Mr. Van Patton,

I am submitting CEQA Scoping Comments in my individual capacity, as follows.

1. I agree with, and support, the following comments of Livable Pasadena as to the asserted "Project Description":

. . . (T)he drafting of an EIR for this project is premature. The proposed project is not "stable," which is a requirement under CEQA. CEQA requires that an EIR contain "[a]naccurate, stable and finite project description." (Cty. of Inyo v. City of Los Angeles (1977) 71 Cal. App. 3d 185,193; see also Washoe Meadows Community v. Department of Parks and Recreation (2017) 17 Cal.App.5th 277,288; CEQA Guidelines § 15124.)

CEQA does not permit proposing a Project of several "alternatives". Therefore, NO EIR or other CEQA work should proceed until the Project Description is stabilized and finalized.

2. Historic Status/Aesthetics. The EIR must include a strong, robust Historic Resources Analysis for two reasons. First, some community Historic Preservation commentators in Pasadena question just how historic the two buildings are that are the basis of the claim for an increase in the allowable building height of other Project buildings. The massing and height of this Project is of community great concern, and any false use of historic status in this regard must be avoided. Therefore, a Historic Resources Analysis must study and analyze the historic status of the two buildings in question in detail.

Second, the EIR should include an Aesthetics section, or, if an Aesthetics section of the EIR is not "allowed" due to some state or CEQA law reason, then a strong, robust Historic Resources Analysis must be included in the EIR if there are historic resources on site in order to study and analyze issues that would otherwise be studied and mitigated through an EIR Aesthetics section; and/or, with or without historic resources on site, the Land Use and Planning section of the EIR should be expanded in order to study and analyze issues that would otherwise be studied and mitigated through an EIR Aesthetics section, including application of the applicable Specific Plan. Such issues include impacts of massing and height in relationship to setting, and adjacent properties and uses, whether historic or not; impacts on the surrounding street scape on both sides of Arroyo Parkway.

Thank you for your attention to these comments.

Sincerely,

Nina Chomsky

Varsh, Tess

From: Maggie Crawford [REDACTED]
Sent: Wednesday, August 11, 2021 10:53 AM
To: Varsh, Tess
Subject: Support for Affinity Planned Development #39

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Support for Affinity Planned Development #39

Dear Planning Commission:

I want to express my support for the proposed mixed-use development on Arroyo Parkway. This is an ideal location for a new medical facility, as it is in the heart of Pasadena's growing medical and technology corridor. The project also includes senior housing, both independent living and assisted living and memory care. Located near medical providers will make it very convenient for senior residents seeking medical care.

As a long time resident of Pasadena, over the years I've seen how Pasadena's medical industry has grown. I am the Training Consultant for Huntington Memorial Hospital's Pet Therapy Program and I can see the many benefits that this project will bring to the area. Not only will it serve Pasadena residents, but it will provide the resources needed to attract top medical professionals to our city.

This will be an exciting addition to our growing medical and health-care related industry and it has my support.

Sincerely,
Maggie Crawford
[REDACTED]
Pasadena, CA 91107

ERIKA FOY

PROTECTING PASADENA

August 6, 2021

Planning Commission
City of Pasadena
100 North Garfield Ave.
Pasadena, CA 91101

RE: 465-577 S. ARROYO PARKWAY

The citizens of Pasadena are alarmed by the proposed planned development as presented for 465-577 S. Arroyo Parkway. This plan is designed well beyond city infrastructure capacities, neither enhances nor encourages a small-town feel, is not of an appropriate scale for the surrounding historic neighborhoods, encourages very little green space, and will have a *devastating cumulative impact on traffic on every major intersection surrounding the area*. The proposed plan and resulting massive, densely populated project is immeasurably frustrating to residents who are watching their city being altered in ways they never imagined.

Overall, the buildings proposed for this planned development are too tall, too dense, and lacking the proper setbacks that make a neighborhood feel inviting. Let's not forget that the issues of density and traffic will only be compounded once all the development in the area is completed by adding additional projects such as 590 South Fair Oaks. Please refer to a traffic engineer [video](#) capturing the delay at the corner of Arroyo Parkway and California Blvd. from this last January of 2020. You will see the intersection fails close to four times. This development will not work within our city infrastructure and most elderly people struggle to get to the doctor by walking, bus or train.

In light of all we are learning now about the risks of high-density living, long-term exposure to poor air quality, and the relationship between building to the urban edge and the urban heat island index, I believe the citizens of Pasadena should be alarmed by the current plans for this development. This development does not reflect the Pasadena anyone has imagined; traffic snarled, too dense and a massive concrete jungle. Please help keep what makes Pasadena so special; trees, mountain views, easy access, historical framework and a small town feel.

Thank you for your consideration,

Erika Foy

Cc: David Reyes, Jennifer Paige, Mayor Victor Gordo, Vice Mayor Andy Wilson, Councilmember Steve Madison, Taka Suzuki and Pam Thyret

Varsh, Tess

From: Jim Gamb [REDACTED]
Sent: Tuesday, August 3, 2021 11:39 AM
To: Varsh, Tess
Cc: Reyes, David
Subject: Kutzer Co. Affinity Project

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As a long time resident of West Pasadena, member and board chair of HMRI, I am writing in support of this Kutzer Co. project. I have had an opportunity to review the plans and believe it would be a high quality addition to the development of the area near HMM and have a positive influence on adjacent property values.

As a real estate investor, I am very familiar with the expertise the Kutzer Co. brings to the development and management of like projects, and I urge approval of the Affinity development.

James(Jim) D. Gamb, CFA

Varsh, Tess

From: Akila Gibbs <AkilaG@pasadenaseniorcenter.org>
Sent: Tuesday, August 10, 2021 5:47 PM
To: Varsh, Tess
Cc: Reyes, David
Subject: Affinity Project

Follow Up Flag: Follow up
Flag Status: Flagged

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Dear Ms. Varsh,

(I am resending this email because the first I sent had computer problems)

As Executive Director of the Pasadena Senior Center, I know all too well the need for residential opportunities for older adults in our community which offer graduated care and memory care.

I've just viewed the presentation on the proposed Affinity Project on Arroyo Parkway. Not only was I pleased with their efforts to preserve those architectural aspects that are so important but also to create a multi-use structure that fulfills current needs for the residents of the Pasadena community. It's located in a part of Pasadena that allows older adults easy access to a variety of businesses and entertainment, thus encouraging residents to be active and engaged. It also maintains Whole Foods that has come to be an integral part of the Pasadena landscape and food resource. That section of land has been under-utilized for a very long time. I am in favor of the project as it is currently proposed.

Please feel free to contact me if you have any questions.

Most sincerely,
Akila



Akila Gibbs Executive Director
Pasadena Senior Center
85 E Holly Street, Pasadena CA 91103

P 626.685.6703 **M** 323.646.6834 **F** 626.577.4235
PasadenaSeniorCenter.org

KRISTIN TECHENTIN HARRISON

I was disappointed to hear that the project at Arroyo Parkway and California was up at the Planning Commission when our General Plan and our Specific Plan are not completed. As a homeowner who lives two short blocks away on Magnolia Avenue, I have been aware of and watching the project carefully since it is so obviously out of place for this location and intersection.

I believe that the people who are considering approving this massive of a structure on this very difficult corner have not been down to the site. This corner has the short, left turn bays on both sides of Arroyo Parkway, at California and Bellevue, due to the median down the length of the street. Those bays hold about three cars and then a back-up starts in the next lane to be able to take a left. This causes huge delays and then the Gold Line disruptions to the north/south flow adds to it. At Bellevue, there is a “No U Turn” posted on that signal, but people already do that maneuver and that is without the block being developed. My understanding is that the developers are relying on everyone accessing the building on the northbound traffic side from Bellevue and then traveling under the buildings and exiting on California where the cars are already backed up due to the Gold Line. I believe there is an exit and entrance on the southbound side of Arroyo, but that only allows one direction to head when leaving the campus. The ingress and egress for this large of a project is horrible. I also believe they have planned on having lighted walkways for residents to get to the other side of the street, mid-street. This will cause slower movement of traffic on Arroyo Parkway, which will cause drivers to start speeding through the adjacent neighborhoods. This is already something that we observe in Madison Heights between Glenarm and California during both morning and evening rush hours.

The traffic and noise from the elevated traffic for this corner is not my only concern, but it is a big one. The daily, hourly trips to doctors, hence the need for 650 parking spots, will make this critical Pasadena intersection even more congested than it already is, with drivers already having to sit through the light for three to four cycles to turn south onto Arroyo Boulevard from California Boulevard, as well as from Arroyo Boulevard east on to California Boulevard. After that turn there are the Gold Line tracks. Again, difficult congestion spots. This project with currently proposed entrances and exits, along with the added number of cars, trucks, and ambulances, will make this intersection even more congested.

The design of this building is not to scale with others in the area. Not only is it tall, it is so densely built, without any consideration for greenery, that it will

create an urban heat index. We need to require that anything built on this site has building setbacks large enough to be able to plant real trees in the ground and ones that can grow to two or three stories. We need them to do living roofs and they should be required to plant leafing trees in the sidewalk. This will help soften that urban concrete feeling that is happening all over the city, with new residential projects built right up to the sidewalks.

Two additional concerns are the parkway trees and sidewalks. The existing parkway trees are narrow and far between. This type of development usually only allows for plantings in pots. We need to insist that they do not build to the property line so that trees can be planted in the ground both up next to the building and in the parkway. It not only makes it more comfortable to walk for pedestrians, but trees soften the visual impact of the buildings. We need the sidewalks sufficiently wide enough and shaded to encourage pedestrian usage. This is already a heavily utilized street, and the safety of pedestrians should be of the utmost concern.

I have traveled and appreciated many cities that have had to deal with urbanization, and although Pasadena is not on the same scale as them, we seem to be doing a worse job. Both Seattle and Dallas have mature trees adjacent to both sides of their downtown buildings, which soften their impact on the urban environment. Their buildings are tall but with the tree canopy and the wide sidewalks it does not feel as urban as Pasadena is beginning to feel. If we have to develop, we need to control what we want it to look like, not just let developers cram in whatever is the most profitable for them.

Thank you,
Kristin Harrison

Tricia Keane

[REDACTED]
Pasadena, CA 91104

August 10, 2021

City of Pasadena

Planning & Community Development Department
175 North Garfield Avenue
Pasadena, CA 91101

RE: The Affinity Project Planned Development #39 – Providing Housing for Seniors

Dear Honorable Planning Commission:

I am a 19-year resident of Pasadena and writing in support of the Affinity project, City of Pasadena Planned Development Project #39. The Affinity mixed-use development project addresses two critical needs faced by our City. First is the on-going need for more housing for seniors, and a related need is for additional medical office space for Pasadena's growing medical and technology industry.

As you may know, Pasadena has among the highest concentrations in the Los Angeles region of residents aged 50 and older. Given that the Independent Living vacancy rate in 2019 was 0.5% for Pasadena, there is a real need for additional housing options for our seniors. The Affinity will provide a much-needed option for housing for people who want to remain in the community as they age and their housing needs change.

The project is the right type in the right place. In addition to locating housing for seniors near transit, the project also includes additional medical office space near Huntington Hospital and in the area of Pasadena where such uses are appropriately located.

This is a well-planned project that is appropriate for and consistent with the Arroyo Parkway corridor, and I respectfully encourage your support.

Sincerely,



Tricia Keane

Varsh, Tess

From: Dean Kitchens [REDACTED]
Sent: Tuesday, August 10, 2021 11:12 AM
To: Varsh, Tess
Cc: Reyes, David
Subject: Affinity Project Pasadena

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Dear Ms. Varsh:

I am writing to express my support for the Affinity Project on Arroyo Parkway in Pasadena. It is a lovely and much-needed development for the area, with goals and uses consistent with the neighborhood and the demographics of the City of Pasadena. I understand it will soon come before the planning commission and I therefore wanted to register my strong approval of the project.

I am a long-term resident of Pasadena, and have been active in the life of the City, including my ongoing service as a director of the Oak Knoll Neighborhood Association (albeit my endorsement of this project is solely as an individual). I care greatly about development in Pasadena, and urge approval of outstanding projects such as this one which will add to the beauty of Pasadena and will provide much needed health-related resources to the community.

Thank you for considering my views regarding approval of the Affinity Project.

Sincerely,

Dean Kitchens

[REDACTED]
Pasadena CA. 91106

[REDACTED]

From: [stan kong](#)
To: [Varsh, Tess](#)
Subject: Affinity Development Project
Date: Wednesday, August 11, 2021 4:40:31 PM

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The Affinity Development appears to be a good project for the Pasadena Community having viewed the pedestrian video on YouTube and a conversation with Pete Kutzer. It will revitalize the area and improve the experience entering Pasadena through the Arroyo Parkway corridor.

Sincerely,
Stan Kong

Landswick Physical Therapy •

Varsh, Tess

From: Nikki Macie [REDACTED]
Sent: Wednesday, August 11, 2021 12:08 PM
To: Varsh, Tess
Subject: The Affinity Project

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Dear Pasadena Planning Commission:

I want to express my support for The Affinity project, the proposed mixed-use development on Arroyo Parkway. Since I have an older parent, the idea of a new housing project for seniors is very appealing to me.

We hear a lot about the need for more housing, but housing for seniors is not always a priority. This project will provide both assisted and independent housing, which is great for people like my mother, who want to stay in the area. The fact that the facility is near public transit is another plus. So many seniors have to give up driving. To have the ability to use the Metro or take a bus will not only be convenient, it will help residents feel more independent, not having to rely on friends or family for transportation.

I understand that the development also includes a medical office facility. That makes perfect sense near senior housing. Currently I drive my mom to many different doctor and health-care related appointments all over Pasadena. Having a Class A medical facility so close will be great for those senior residents. It will be a great addition to Pasadena and should help attract quality medical providers.

Sincerely,
Nikki Maciejowski
Woodbury
Altadena, CA 91011

Varsh, Tess

From: Penny Plotkin [REDACTED]
Sent: Wednesday, August 11, 2021 9:04 AM
To: Varsh, Tess
Cc: Reyes, David; Pete Kutzer
Subject: Affinity Project on Arroyo Parkway

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Good Morning Planning Commission,

Last month was the first time I had seen plans for the Affinity Project during a presentation to the Pasadena Heritage Board.

I was so impressed with the presentation and the outstanding complex that is being developed there. What a great, positive, and much needed addition to Arroyo Parkway.

Best Regards,

Mrs. James R. Plotkin

Varsh, Tess

From: Julie Rosenberg [REDACTED]
Sent: Tuesday, August 10, 2021 5:25 PM
To: Varsh, Tess
Cc: info@affinitypasadena.com
Subject: Affinity Letter JR.docx
Attachments: Affinity Letter JR.docx

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To Whom It May Concern,

I think this is a worthwhile project and I fully support it.

Julie Rosenberg

[REDACTED]
South Pasadena, Ca 91030

Sent from my iPhone

Name
Address
Address

August 10, 2021

City of Pasadena
Planning & Community Development Department
175 North Garfield Avenue
Pasadena, CA 91101

Subject: The Affinity Project - 465-577 S. Arroyo Parkway in Pasadena

Dear City Planners/Planning Staff,

I'm writing to support the mixed-use project called The Affinity. This property consists of a full city block and when completed, I believe it will greatly enhance the Arroyo Parkway corridor and contribute positively to the lives of area residents.

Plans for the development include two key components -- new medical office space and assisted and independent housing options for seniors. It goes without saying that housing is in high demand, and seniors do not have a lot of options for housing if they want to remain in the Pasadena and South Pasadena areas. We have high concentrations of residents aged 50 and older, so a project that addresses the needs of our seniors will be a welcomed resource in the community.

People also want to have the care they need as they age. This project would allow continuing care for both independent living and longer-term needs including assisted and memory care. Building a modern medical facility close to those people with increasing health-related needs is a good fit. The medical resource will serve residents and the greater community as well. But perhaps equally importantly, it will support the area's growing health and wellness industry and help to attract top medical professionals to the city.

I hope you will approve this project that will add so much to the area.

Best regards,

Julie Rosenberg

Michelle Round
[REDACTED]
So. Pasadena 91030

August 10, 2021

City of Pasadena
Planning & Community Development Department
175 North Garfield Avenue
Pasadena, CA 91101

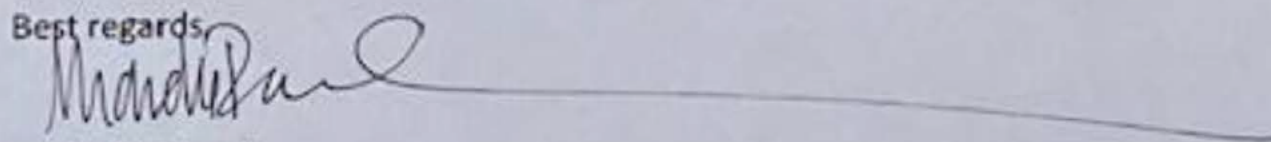
RE: PD#39 - Affinity Project – 465-577 S. Arroyo Parkway

Planning Commissioners:

Frequently the need for more housing is in the news. However, we don't often hear about the need for new housing for seniors. The Affinity Project is a mixed-use development that will provide both assisted and independent housing options for seniors. The project will also include much needed medical office space in the growing medical and technology corridor near Huntington Memorial Hospital.

I think this project will be a welcome addition to the area that will provide health and wellness services to residents and the greater community as well. I hope to see the project move forward in a timely manner so we can see the positive economic benefits this plan will bring to our town.

Best regards,

A handwritten signature in dark ink, appearing to read 'Michelle Round', followed by a long, horizontal, slightly wavy line that extends across the page.

Michelle Round

Varsh, Tess

From: Tamara Silver [REDACTED]
Sent: Wednesday, August 11, 2021 3:58 PM
To: Varsh, Tess
Subject: Planning Commission Meeting of 8/11/21

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Hello,

Following is my comment for tonight's Planning Commission Meeting...

Re: 491-577 Arroyo Parkway

Dear Commissioners,

I write to encourage you to maintain or increase setbacks for this development and to require in-ground trees planted and maintained along all streets that border this development.

Although other buildings along Arroyo Parkway do come up to the sidewalk with no set-back, because something was done in the past does not mean we cannot change based on our needs today. Set-backs and plantings make sense and they make dollars and cents. Set-backs with green space and in-ground trees will help to cool the streetscape, encouraging walking. Nobody wants to walk along a street with heat radiating from buildings and roadway. Plants and trees will mitigate the reflective heat from the asphalt roadway, concrete sidewalk and glass and stone of the building itself. Trees will shade and help cool the building, reducing costs for air conditioning. In addition, trees sequester carbon. As responsible stewards of our city, the addition of in-ground trees should be required of this and all developments in Pasadena as one thing we can do the combat global warming.

In addition, please consider robust requirements for use of Metro and other non-car means of transportation to reduce traffic impacts. Please do everything possible to move trips out of cars and into public transit and bicycles.

I understand these items will add to the up-front costs of the development but believe they will keep this a highly sought-after development which will allow in turn the owners to compete with new buildings as they come online and to charge premium rents for years to come.

Thank you for your consideration,

Tammy Silver
President, Oak Knoll Neighborhood Association
Title for identification purposes only.

Varsh, Tess

From: Stevens Susan [REDACTED]
Sent: Wednesday, August 11, 2021 12:38 PM
To: Varsh, Tess
Subject: 491-577 S. Arroyo Parkway

Follow Up Flag: Follow up
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I would like to express my concern about the planned development at 491-577 Arroyo Parkway encompassing a large medical office building and an assisted living complex.

This intersection is already overburdened with traffic, particularly at rush hour. This complex would contribute to the excessive amount of traffic and noise in an already congested area. Pedestrian and bicyclist safety should also be a consideration.

The massive size of the buildings with minimal setbacks and little green space creates an aesthetically unappealing corridor that is incompatible with neighboring landmark districts.

The City of Pasadena is currently proposing a 15% reduction in water usage due to drought conditions. How does this massive project fit within the scope of this reduction? It is disturbing that projects are being considered for approval that dramatically increase our water usage.

I strongly urge you to consider how the added traffic, water shortage, looming buildings on historical areas, noise and lack of greenery all contribute to a less healthy city for our future.

Thank you for your consideration of this important issue.

Susan Stevens

Victoria Stratman

August 4, 2021

City of Pasadena Planning Commission
Hale Building
175 N. Garfield Ave., 2nd Floor
Pasadena, CA 91101

Dear Members of the Planning Commission:

I write to express my support for the proposed Affinity Project on Arroyo Parkway. I have had the opportunity to see the plans for this project and am truly excited about it. Having recently retired from the California Institute of Technology as General Counsel, I am very interested in remaining connected to Pasadena. The proposed Affinity Project would provide some much-needed senior living in one of the most vibrant parts of Pasadena. Rather than being cut off and isolated, the Affinity project will allow seniors to continue being an active part of the community with a variety of opportunities within walking distance, including access to two Gold Line stations.

Equally important to me, the project preserves the nature of that very special area on the Arroyo Parkway. The plan includes restoring two historic buildings on the site and creating a public courtyard in addition to a mixed-use facility with medical offices. Based on what I have seen of the proposal, the result will be a beautiful, pedestrian friendly addition to Pasadena while at the same time serving seniors, such as myself, with a chance to remain active in the community.

For these reasons, I hope that the Planning Commission favorably reviews this project and thank you for your consideration of my input.

Sincerely yours,

Victoria D. Stratman

Victoria D. Stratman

Varsh, Tess

From: Steven Trytten
Sent: Tuesday, August 10, 2021 9:16 AM
To: Varsh, Tess
Cc: Reyes, David
Subject: Affinity Project on Arroyo Parkway

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Dear Ms. Varsh,

I recently learned about the Affinity Project on Arroyo Parkway. After reviewing some of the available materials on line, I am very impressed with this project. It provides a lot of benefits to the City and looks very thoughtful in anticipating needs for additional parking and other considerations to make it a positive addition to the City. I'm also impressed with the high quality people who are involved in the project. Thank you for considering my comment, and for all you do for the City.

Best wishes,

Steve

Steven E. Trytten | Managing Partner, LA County

Henderson Caverly Pum & Trytten LLP

(t) | (f) |

For our other office locations in San Diego, Irvine, West LA, and Rancho Santa Fe, please visit our website at [hcesg.com](#).

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Varsh, Tess

From: Carole Walker [REDACTED]
Sent: Wednesday, August 11, 2021 10:34 AM
To: Varsh, Tess; Reyes, David
Cc: [REDACTED]
Subject: The Affinity Project

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Good Morning Tess and David,

I have been a commercial broker in Pasadena for over 50 years. I have seen Pasadena grow into a City where large corporations want their headquarters and smaller businesses thrive due to a population that supports it's businesses.

I have had the opportunity to study "The Affinity" proposed development project. For the last 10 years, I had envisioned a developer designing and building a project of this nature.

Once this project is built it will no doubt be a model for like projects across the United States. People interested in the assisted living business are looking for a more workable model to serve senior citizens.

How will this project advance the image of assisted living homes?

1. Creates a vibrant meeting place for friends and relatives in an atmosphere enjoyable to both.
2. In their normal everyday life they once had, they once again will be able to engage with all age groups. Shopping at their favorite stores, eating at a variety of restaurants, close to medical offices and Huntington Hospital.
3. The best part of all that this project offers is that friends and relatives would want to visit the seniors more often. It is a far cry visiting seniors in a sterile assisted living home where there is a small bedroom, a small recreation room and a cafeteria that serves bland unappetizing food. It will give seniors a new lease on life and living the last years in a more enjoyable atmosphere.

These developers are true humanitarians and will give Pasadena an image no other City will have. I foresee that this facility will have a waiting list to get in.

Please approve this development as I see this type of project as a future model for other assisted living homes.

Call me with any specified questions.

Sincerely,

Carole Walker | Executive Vice President
Redstone Commercial Real Estate

Email: [REDACTED]

Lic #: 01525534

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From: [Xiaoyan Zhou](#)
To: [Van Patten, Jason](#)
Subject: The Pasadena Affinity Project on Arroyo Pkwy
Date: Monday, August 16, 2021 9:09:55 PM

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Dear Mr. Patten,

It was nice talking to you this afternoon. I am writing this email to express my concern about the environmental effect of the Affinity Project.

1. This project's region centered at the cross of California and Arroyo Pkwy is already very crowded and busy. Bringing in more population and business will only make the situation even worse, such as more traffic, more noise, and more air pollution.
2. The project requests more resource consumption, such as water and electricity supply. By adding ~300 living units plus ground-floor commercial units and medical offices, do we know how much water is needed in the coming decade(s)? Are we ready?

Have you heard that Oakley, Utah, has enacted a moratorium on new home construction due to water shortage? We are not there yet. But do we know where we are in terms of water availability?

Pasadena keeps adding multi-home/office buildings. It is good that the city is gaining more property tax income. While the city finance is getting better, our living environment is not. For example, it has been years there is water trickling down along S. Euclid Ave in between Del Mar and California. Rotted leaves smell stinky (because there is no street sweeper). The neighborhood called the city numerous times; the problem is still not solved. We have not seen a street sweeper along S. Marengo Ave for years. Leaves, tree drops, and trashes stay at the separation along the road center (see the photo below) until a strong windy day. Every year the Pasadena police department asks for donations with more and more amount. This list can go on and on. The speedy enhancement of population and resource-consuming have cast a long-term negative impact on the Pasadena living condition and environment.

With best regards,
Shiaoyan



Affinity - Existing - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**Affinity - Existing
Los Angeles-South Coast County, Winter****1.0 Project Characteristics****1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Hospital	12.68	1000sqft	0.29	12,680.00	0
High Turnover (Sit Down Restaurant)	11.80	1000sqft	0.27	11,800.00	0
Hardware/Paint Store	21.44	1000sqft	0.49	21,440.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	9			Operational Year	2026
Utility Company	Pasadena Water and Power				
CO2 Intensity (lb/MW hr)	802	CH4 Intensity (lb/MW hr)	0	N2O Intensity (lb/MW hr)	0

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Existing - operations only for uses to be removed. CO2 Intensity factor from Pasadena 2020 power content label and requirements for 2026

Land Use - Hospital is veterinarian
 Hardware/paint is furniture store
 Restaurant is two restaurants
 Construction Phase - no construction

Off-road Equipment - No construction

Vehicle Trips - Weekday trip rates per TIA, trip lengths reduced to emulate Exchange, as it has lower rates (for conservatism).

Energy Use - Per applicant

Water And Wastewater - per Applicant

Waste Mitigation - .

Fleet Mix - .

Affinity - Existing - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Table Name	Column Name	Default Value	New Value
tblEnergyUse	LightingElect	6.26	3.58
tblEnergyUse	LightingElect	7.87	10.52
tblEnergyUse	LightingElect	5.31	6.40
tblEnergyUse	NT24E	3.23	1.85
tblEnergyUse	NT24E	28.16	37.63
tblEnergyUse	NT24E	7.55	9.10
tblEnergyUse	NT24NG	0.49	1.16
tblEnergyUse	NT24NG	187.78	191.04
tblEnergyUse	NT24NG	9.82	10.92
tblEnergyUse	T24E	3.58	2.05
tblEnergyUse	T24E	7.24	9.67
tblEnergyUse	T24E	8.89	10.72
tblEnergyUse	T24NG	1.14	2.69
tblEnergyUse	T24NG	42.55	43.29
tblEnergyUse	T24NG	54.39	60.48
tblFleetMix	HHD	8.0840e-003	9.0486e-004
tblFleetMix	HHD	8.0840e-003	9.0486e-004
tblFleetMix	HHD	8.0840e-003	9.0486e-004
tblFleetMix	LDA	0.54	0.73
tblFleetMix	LDA	0.54	0.73
tblFleetMix	LDA	0.54	0.73
tblFleetMix	LDT1	0.07	0.08
tblFleetMix	LDT1	0.07	0.08
tblFleetMix	LDT1	0.07	0.08
tblFleetMix	LDT2	0.19	0.08
tblFleetMix	LDT2	0.19	0.08
tblFleetMix	LDT2	0.19	0.08
tblFleetMix	LHD1	0.02	9.0486e-004
tblFleetMix	LHD1	0.02	9.0486e-004

Affinity - Existing - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblFleetMix	LHD1	0.02	9.0486e-004
tblFleetMix	LHD2	6.5180e-003	9.0486e-004
tblFleetMix	LHD2	6.5180e-003	9.0486e-004
tblFleetMix	LHD2	6.5180e-003	9.0486e-004
tblFleetMix	MCY	0.03	0.03
tblFleetMix	MCY	0.03	0.03
tblFleetMix	MCY	0.03	0.03
tblFleetMix	MDV	0.13	0.07
tblFleetMix	MDV	0.13	0.07
tblFleetMix	MDV	0.13	0.07
tblFleetMix	MH	3.3180e-003	3.3359e-003
tblFleetMix	MH	3.3180e-003	3.3359e-003
tblFleetMix	MH	3.3180e-003	3.3359e-003
tblFleetMix	MHD	0.01	9.0486e-004
tblFleetMix	MHD	0.01	9.0486e-004
tblFleetMix	MHD	0.01	9.0486e-004
tblFleetMix	OBUS	9.3300e-004	9.3804e-004
tblFleetMix	OBUS	9.3300e-004	9.3804e-004
tblFleetMix	OBUS	9.3300e-004	9.3804e-004
tblFleetMix	SBUS	7.0800e-004	7.1183e-004
tblFleetMix	SBUS	7.0800e-004	7.1183e-004
tblFleetMix	SBUS	7.0800e-004	7.1183e-004
tblFleetMix	UBUS	5.9100e-004	5.9419e-004
tblFleetMix	UBUS	5.9100e-004	5.9419e-004
tblFleetMix	UBUS	5.9100e-004	5.9419e-004
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblProjectCharacteristics	CH4IntensityFactor	0.033	0
tblProjectCharacteristics	CO2IntensityFactor	872.98	802

Affinity - Existing - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblProjectCharacteristics	N2OIntensityFactor	0.004	0
tblVehicleTrips	CC_TL	8.40	2.95
tblVehicleTrips	CC_TL	8.40	2.95
tblVehicleTrips	CC_TL	8.40	2.95
tblVehicleTrips	CNW_TL	6.90	2.95
tblVehicleTrips	CNW_TL	6.90	2.95
tblVehicleTrips	CNW_TL	6.90	2.95
tblVehicleTrips	CW_TL	16.60	2.95
tblVehicleTrips	CW_TL	16.60	2.95
tblVehicleTrips	CW_TL	16.60	2.95
tblVehicleTrips	DV_TP	29.00	0.00
tblVehicleTrips	DV_TP	20.00	0.00
tblVehicleTrips	DV_TP	25.00	0.00
tblVehicleTrips	PB_TP	26.00	0.00
tblVehicleTrips	PB_TP	43.00	0.00
tblVehicleTrips	PB_TP	2.00	0.00
tblVehicleTrips	PR_TP	45.00	100.00
tblVehicleTrips	PR_TP	37.00	100.00
tblVehicleTrips	PR_TP	73.00	100.00
tblVehicleTrips	ST_TR	9.14	40.00
tblVehicleTrips	ST_TR	7.72	15.48
tblVehicleTrips	SU_TR	9.14	40.00
tblVehicleTrips	SU_TR	6.77	13.58
tblVehicleTrips	WD_TR	9.14	40.00
tblVehicleTrips	WD_TR	10.72	21.50
tblWater	IndoorWaterUseRate	1,588,114.86	713,666.25
tblWater	IndoorWaterUseRate	3,581,697.81	6,457,488.75
tblWater	IndoorWaterUseRate	1,591,093.22	1,041,071.25
tblWater	OutdoorWaterUseRate	973,360.72	237,888.75
tblWater	OutdoorWaterUseRate	228,619.01	2,152,496.25

Affinity - Existing - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblWater

OutdoorWaterUseRate

303,065.37

347,023.75

2.0 Emissions Summary**2.1 Overall Construction (Maximum Daily Emission)****Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2026	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Maximum	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2026	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Maximum	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Affinity - Existing - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-------------------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.0263	4.0000e-005	4.6800e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005			0.0101	3.0000e-005		0.0107
Energy	0.1109	1.0081	0.8468	6.0500e-003		0.0766	0.0766		0.0766	0.0766			1,209.6664	0.0232	0.0222	1,216.8548
Mobile	4.6253	2.4194	33.4130	0.0501	6.3133	0.0416	6.3548	1.6750	0.0383	1.7134			5,275.6140	0.5683	0.2613	5,367.6994
Total	5.7625	3.4275	34.2644	0.0562	6.3133	0.1182	6.4315	1.6750	0.1150	1.7900			6,485.2904	0.5915	0.2835	6,584.5649

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.0263	4.0000e-005	4.6800e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005			0.0101	3.0000e-005		0.0107
Energy	0.1109	1.0081	0.8468	6.0500e-003		0.0766	0.0766		0.0766	0.0766			1,209.6664	0.0232	0.0222	1,216.8548
Mobile	4.6253	2.4194	33.4130	0.0501	6.3133	0.0416	6.3548	1.6750	0.0383	1.7134			5,275.6140	0.5683	0.2613	5,367.6994
Total	5.7625	3.4275	34.2644	0.0562	6.3133	0.1182	6.4315	1.6750	0.1150	1.7900			6,485.2904	0.5915	0.2835	6,584.5649

Affinity - Existing - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2026	1/28/2026	5	20	

Acres of Grading (Site Preparation Phase): 0**Acres of Grading (Grading Phase): 0****Acres of Paving: 0****Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating –****OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Rubber Tired Dozers	0	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	0	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	0	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Affinity - Existing - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition - 2026**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000			0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000			0.0000	0.0000		0.0000

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000

Mitigated Construction On-Site

Affinity - Existing - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000			0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000			0.0000	0.0000		0.0000

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000

4.0 Operational Detail - Mobile**4.1 Mitigation Measures Mobile**

Affinity - Existing - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	4.6253	2.4194	33.4130	0.0501	6.3133	0.0416	6.3548	1.6750	0.0383	1.7134			5,275.6140	0.5683	0.2613	5,367.6994
Unmitigated	4.6253	2.4194	33.4130	0.0501	6.3133	0.0416	6.3548	1.6750	0.0383	1.7134			5,275.6140	0.5683	0.2613	5,367.6994

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Hardware/Paint Store	857.60	857.60	857.60	920,891	920,891
High Turnover (Sit Down Restaurant)	1,323.72	1,444.32	1683.15	1,495,051	1,495,051
Hospital	272.62	196.29	172.19	265,624	265,624
Total	2,453.94	2,498.21	2,712.95	2,681,566	2,681,566

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Hardware/Paint Store	2.95	2.95	2.95	13.60	67.40	19.00	100	0	0
High Turnover (Sit Down Restaurant)	2.95	2.95	2.95	8.50	72.50	19.00	100	0	0
Hospital	2.95	2.95	2.95	64.90	16.10	19.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Hardware/Paint Store	0.733946	0.080432	0.080432	0.070378	0.000905	0.000905	0.000905	0.000905	0.000938	0.000594	0.025612	0.000712	0.003336
High Turnover (Sit Down Restaurant)	0.733946	0.080432	0.080432	0.070378	0.000905	0.000905	0.000905	0.000905	0.000938	0.000594	0.025612	0.000712	0.003336
Hospital	0.733946	0.080432	0.080432	0.070378	0.000905	0.000905	0.000905	0.000905	0.000938	0.000594	0.025612	0.000712	0.003336

5.0 Energy Detail

Affinity - Existing - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.1109	1.0081	0.8468	6.0500e-003		0.0766	0.0766		0.0766	0.0766			1,209.6664	0.0232	0.0222	1,216.8548
NaturalGas Unmitigated	0.1109	1.0081	0.8468	6.0500e-003		0.0766	0.0766		0.0766	0.0766			1,209.6664	0.0232	0.0222	1,216.8548

5.2 Energy by Land Use - NaturalGas**Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Hardware/Paint Store	226.148	2.4400e-003	0.0222	0.0186	1.3000e-004		1.6900e-003	1.6900e-003		1.6900e-003	1.6900e-003			26.6056	5.1000e-004	4.9000e-004	26.7637
High Turnover (Sit Down Restaurant)	7575.6	0.0817	0.7427	0.6239	4.4600e-003		0.0565	0.0565		0.0565	0.0565			891.2471	0.0171	0.0163	896.5433
Hospital	2480.42	0.0268	0.2432	0.2043	1.4600e-003		0.0185	0.0185		0.0185	0.0185			291.8137	5.5900e-003	5.3500e-003	293.5478
Total		0.1109	1.0081	0.8468	6.0500e-003		0.0766	0.0766		0.0766	0.0766			1,209.6664	0.0232	0.0222	1,216.8548

Affinity - Existing - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Hardware/Paint Store	0.226148	2.4400e-003	0.0222	0.0186	1.3000e-004		1.6900e-003	1.6900e-003		1.6900e-003	1.6900e-003			26.6056	5.1000e-004	4.9000e-004	26.7637
High Turnover (Sit Down Restaurant)	7.5756	0.0817	0.7427	0.6239	4.4600e-003		0.0565	0.0565		0.0565	0.0565			891.2471	0.0171	0.0163	896.5433
Hospital	2.48042	0.0268	0.2432	0.2043	1.4600e-003		0.0185	0.0185		0.0185	0.0185			291.8137	5.5900e-003	5.3500e-003	293.5478
Total		0.1109	1.0081	0.8468	6.0500e-003		0.0766	0.0766		0.0766	0.0766			1,209.6664	0.0232	0.0222	1,216.8548

6.0 Area Detail**6.1 Mitigation Measures Area**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.0263	4.0000e-005	4.6800e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005			0.0101	3.0000e-005		0.0107
Unmitigated	1.0263	4.0000e-005	4.6800e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005			0.0101	3.0000e-005		0.0107

Affinity - Existing - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1166					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.9092					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.3000e-004	4.0000e-005	4.6800e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005			0.0101	3.0000e-005		0.0107
Total	1.0263	4.0000e-005	4.6800e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005			0.0101	3.0000e-005		0.0107

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1166					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.9092					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.3000e-004	4.0000e-005	4.6800e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005			0.0101	3.0000e-005		0.0107
Total	1.0263	4.0000e-005	4.6800e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005			0.0101	3.0000e-005		0.0107

7.0 Water Detail

Affinity - Existing - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

Affinity - Existing - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**Affinity - Existing**
Los Angeles-South Coast County, Summer**1.0 Project Characteristics****1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Hospital	12.68	1000sqft	0.29	12,680.00	0
High Turnover (Sit Down Restaurant)	11.80	1000sqft	0.27	11,800.00	0
Hardware/Paint Store	21.44	1000sqft	0.49	21,440.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	9			Operational Year	2026
Utility Company	Pasadena Water and Power				
CO2 Intensity (lb/MW hr)	802	CH4 Intensity (lb/MW hr)	0	N2O Intensity (lb/MW hr)	0

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Existing - operations only for uses to be removed. CO2 Intensity factor from Pasadena 2020 power content label and requirements for 2026

Land Use - Hospital is veterinarian

Hardware/paint is furniture store

Restaurant is two restaurants

Construction Phase - no construction

Off-road Equipment - No construction

Vehicle Trips - Weekday trip rates per TIA, trip lengths reduced to emulate Exchange, as it has lower rates (for conservatism).

Energy Use - Per applicant

Water And Wastewater - per Applicant

Waste Mitigation - .

Fleet Mix - .

Affinity - Existing - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Table Name	Column Name	Default Value	New Value
tblEnergyUse	LightingElect	6.26	3.58
tblEnergyUse	LightingElect	7.87	10.52
tblEnergyUse	LightingElect	5.31	6.40
tblEnergyUse	NT24E	3.23	1.85
tblEnergyUse	NT24E	28.16	37.63
tblEnergyUse	NT24E	7.55	9.10
tblEnergyUse	NT24NG	0.49	1.16
tblEnergyUse	NT24NG	187.78	191.04
tblEnergyUse	NT24NG	9.82	10.92
tblEnergyUse	T24E	3.58	2.05
tblEnergyUse	T24E	7.24	9.67
tblEnergyUse	T24E	8.89	10.72
tblEnergyUse	T24NG	1.14	2.69
tblEnergyUse	T24NG	42.55	43.29
tblEnergyUse	T24NG	54.39	60.48
tblFleetMix	HHD	8.0840e-003	9.0486e-004
tblFleetMix	HHD	8.0840e-003	9.0486e-004
tblFleetMix	HHD	8.0840e-003	9.0486e-004
tblFleetMix	LDA	0.54	0.73
tblFleetMix	LDA	0.54	0.73
tblFleetMix	LDA	0.54	0.73
tblFleetMix	LDT1	0.07	0.08
tblFleetMix	LDT1	0.07	0.08
tblFleetMix	LDT1	0.07	0.08
tblFleetMix	LDT2	0.19	0.08
tblFleetMix	LDT2	0.19	0.08
tblFleetMix	LDT2	0.19	0.08
tblFleetMix	LHD1	0.02	9.0486e-004
tblFleetMix	LHD1	0.02	9.0486e-004

Affinity - Existing - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblFleetMix	LHD1	0.02	9.0486e-004
tblFleetMix	LHD2	6.5180e-003	9.0486e-004
tblFleetMix	LHD2	6.5180e-003	9.0486e-004
tblFleetMix	LHD2	6.5180e-003	9.0486e-004
tblFleetMix	MCY	0.03	0.03
tblFleetMix	MCY	0.03	0.03
tblFleetMix	MCY	0.03	0.03
tblFleetMix	MDV	0.13	0.07
tblFleetMix	MDV	0.13	0.07
tblFleetMix	MDV	0.13	0.07
tblFleetMix	MH	3.3180e-003	3.3359e-003
tblFleetMix	MH	3.3180e-003	3.3359e-003
tblFleetMix	MH	3.3180e-003	3.3359e-003
tblFleetMix	MHD	0.01	9.0486e-004
tblFleetMix	MHD	0.01	9.0486e-004
tblFleetMix	MHD	0.01	9.0486e-004
tblFleetMix	OBUS	9.3300e-004	9.3804e-004
tblFleetMix	OBUS	9.3300e-004	9.3804e-004
tblFleetMix	OBUS	9.3300e-004	9.3804e-004
tblFleetMix	SBUS	7.0800e-004	7.1183e-004
tblFleetMix	SBUS	7.0800e-004	7.1183e-004
tblFleetMix	SBUS	7.0800e-004	7.1183e-004
tblFleetMix	UBUS	5.9100e-004	5.9419e-004
tblFleetMix	UBUS	5.9100e-004	5.9419e-004
tblFleetMix	UBUS	5.9100e-004	5.9419e-004
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblProjectCharacteristics	CH4IntensityFactor	0.033	0
tblProjectCharacteristics	CO2IntensityFactor	872.98	802

Affinity - Existing - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblProjectCharacteristics	N2OIntensityFactor	0.004	0
tblVehicleTrips	CC_TL	8.40	2.95
tblVehicleTrips	CC_TL	8.40	2.95
tblVehicleTrips	CC_TL	8.40	2.95
tblVehicleTrips	CNW_TL	6.90	2.95
tblVehicleTrips	CNW_TL	6.90	2.95
tblVehicleTrips	CNW_TL	6.90	2.95
tblVehicleTrips	CW_TL	16.60	2.95
tblVehicleTrips	CW_TL	16.60	2.95
tblVehicleTrips	CW_TL	16.60	2.95
tblVehicleTrips	DV_TP	29.00	0.00
tblVehicleTrips	DV_TP	20.00	0.00
tblVehicleTrips	DV_TP	25.00	0.00
tblVehicleTrips	PB_TP	26.00	0.00
tblVehicleTrips	PB_TP	43.00	0.00
tblVehicleTrips	PB_TP	2.00	0.00
tblVehicleTrips	PR_TP	45.00	100.00
tblVehicleTrips	PR_TP	37.00	100.00
tblVehicleTrips	PR_TP	73.00	100.00
tblVehicleTrips	ST_TR	9.14	40.00
tblVehicleTrips	ST_TR	7.72	15.48
tblVehicleTrips	SU_TR	9.14	40.00
tblVehicleTrips	SU_TR	6.77	13.58
tblVehicleTrips	WD_TR	9.14	40.00
tblVehicleTrips	WD_TR	10.72	21.50
tblWater	IndoorWaterUseRate	1,588,114.86	713,666.25
tblWater	IndoorWaterUseRate	3,581,697.81	6,457,488.75
tblWater	IndoorWaterUseRate	1,591,093.22	1,041,071.25
tblWater	OutdoorWaterUseRate	973,360.72	237,888.75
tblWater	OutdoorWaterUseRate	228,619.01	2,152,496.25

Affinity - Existing - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblWater

OutdoorWaterUseRate

303,065.37

347,023.75

2.0 Emissions Summary**2.1 Overall Construction (Maximum Daily Emission)****Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2026	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Maximum	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2026	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Maximum	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Affinity - Existing - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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2.2 Overall Operational**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.0263	4.0000e-005	4.6800e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005			0.0101	3.0000e-005		0.0107
Energy	0.1109	1.0081	0.8468	6.0500e-003		0.0766	0.0766		0.0766	0.0766			1,209.6664	0.0232	0.0222	1,216.8548
Mobile	4.7994	2.2080	32.3793	0.0526	6.3133	0.0415	6.3548	1.6750	0.0383	1.7133			5,540.9298	0.5348	0.2460	5,627.6168
Total	5.9365	3.2161	33.2307	0.0587	6.3133	0.1182	6.4315	1.6750	0.1150	1.7900			6,750.6063	0.5581	0.2682	6,844.4824

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.0263	4.0000e-005	4.6800e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005			0.0101	3.0000e-005		0.0107
Energy	0.1109	1.0081	0.8468	6.0500e-003		0.0766	0.0766		0.0766	0.0766			1,209.6664	0.0232	0.0222	1,216.8548
Mobile	4.7994	2.2080	32.3793	0.0526	6.3133	0.0415	6.3548	1.6750	0.0383	1.7133			5,540.9298	0.5348	0.2460	5,627.6168
Total	5.9365	3.2161	33.2307	0.0587	6.3133	0.1182	6.4315	1.6750	0.1150	1.7900			6,750.6063	0.5581	0.2682	6,844.4824

Affinity - Existing - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2026	1/28/2026	5	20	

Acres of Grading (Site Preparation Phase): 0**Acres of Grading (Grading Phase): 0****Acres of Paving: 0****Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating –****OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Rubber Tired Dozers	0	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	0	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	0	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Affinity - Existing - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition - 2026**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000			0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000			0.0000	0.0000		0.0000

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000

Mitigated Construction On-Site

Affinity - Existing - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000			0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000			0.0000	0.0000		0.0000

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000

4.0 Operational Detail - Mobile**4.1 Mitigation Measures Mobile**

Affinity - Existing - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	4.7994	2.2080	32.3793	0.0526	6.3133	0.0415	6.3548	1.6750	0.0383	1.7133			5,540.9298	0.5348	0.2460	5,627.6168
Unmitigated	4.7994	2.2080	32.3793	0.0526	6.3133	0.0415	6.3548	1.6750	0.0383	1.7133			5,540.9298	0.5348	0.2460	5,627.6168

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Hardware/Paint Store	857.60	857.60	857.60	920,891	920,891
High Turnover (Sit Down Restaurant)	1,323.72	1,444.32	1683.15	1,495,051	1,495,051
Hospital	272.62	196.29	172.19	265,624	265,624
Total	2,453.94	2,498.21	2,712.95	2,681,566	2,681,566

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Hardware/Paint Store	2.95	2.95	2.95	13.60	67.40	19.00	100	0	0
High Turnover (Sit Down Restaurant)	2.95	2.95	2.95	8.50	72.50	19.00	100	0	0
Hospital	2.95	2.95	2.95	64.90	16.10	19.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Hardware/Paint Store	0.733946	0.080432	0.080432	0.070378	0.000905	0.000905	0.000905	0.000905	0.000938	0.000594	0.025612	0.000712	0.003336
High Turnover (Sit Down Restaurant)	0.733946	0.080432	0.080432	0.070378	0.000905	0.000905	0.000905	0.000905	0.000938	0.000594	0.025612	0.000712	0.003336
Hospital	0.733946	0.080432	0.080432	0.070378	0.000905	0.000905	0.000905	0.000905	0.000938	0.000594	0.025612	0.000712	0.003336

5.0 Energy Detail

Affinity - Existing - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.1109	1.0081	0.8468	6.0500e-003		0.0766	0.0766		0.0766	0.0766			1,209.6664	0.0232	0.0222	1,216.8548
NaturalGas Unmitigated	0.1109	1.0081	0.8468	6.0500e-003		0.0766	0.0766		0.0766	0.0766			1,209.6664	0.0232	0.0222	1,216.8548

5.2 Energy by Land Use - NaturalGas**Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Hardware/Paint Store	226.148	2.4400e-003	0.0222	0.0186	1.3000e-004		1.6900e-003	1.6900e-003		1.6900e-003	1.6900e-003			26.6056	5.1000e-004	4.9000e-004	26.7637
High Turnover (Sit Down Restaurant)	7575.6	0.0817	0.7427	0.6239	4.4600e-003		0.0565	0.0565		0.0565	0.0565			891.2471	0.0171	0.0163	896.5433
Hospital	2480.42	0.0268	0.2432	0.2043	1.4600e-003		0.0185	0.0185		0.0185	0.0185			291.8137	5.5900e-003	5.3500e-003	293.5478
Total		0.1109	1.0081	0.8468	6.0500e-003		0.0766	0.0766		0.0766	0.0766			1,209.6664	0.0232	0.0222	1,216.8548

Affinity - Existing - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Hardware/Paint Store	0.226148	2.4400e-003	0.0222	0.0186	1.3000e-004		1.6900e-003	1.6900e-003		1.6900e-003	1.6900e-003			26.6056	5.1000e-004	4.9000e-004	26.7637
High Turnover (Sit Down Restaurant)	7.5756	0.0817	0.7427	0.6239	4.4600e-003		0.0565	0.0565		0.0565	0.0565			891.2471	0.0171	0.0163	896.5433
Hospital	2.48042	0.0268	0.2432	0.2043	1.4600e-003		0.0185	0.0185		0.0185	0.0185			291.8137	5.5900e-003	5.3500e-003	293.5478
Total		0.1109	1.0081	0.8468	6.0500e-003		0.0766	0.0766		0.0766	0.0766			1,209.6664	0.0232	0.0222	1,216.8548

6.0 Area Detail**6.1 Mitigation Measures Area**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.0263	4.0000e-005	4.6800e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005			0.0101	3.0000e-005		0.0107
Unmitigated	1.0263	4.0000e-005	4.6800e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005			0.0101	3.0000e-005		0.0107

Affinity - Existing - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1166					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.9092					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.3000e-004	4.0000e-005	4.6800e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005			0.0101	3.0000e-005		0.0107
Total	1.0263	4.0000e-005	4.6800e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005			0.0101	3.0000e-005		0.0107

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1166					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.9092					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.3000e-004	4.0000e-005	4.6800e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005			0.0101	3.0000e-005		0.0107
Total	1.0263	4.0000e-005	4.6800e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005			0.0101	3.0000e-005		0.0107

7.0 Water Detail

Affinity - Existing - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

Affinity - Existing - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**Affinity - Existing
Los Angeles-South Coast County, Annual****1.0 Project Characteristics****1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Hospital	12.68	1000sqft	0.29	12,680.00	0
High Turnover (Sit Down Restaurant)	11.80	1000sqft	0.27	11,800.00	0
Hardware/Paint Store	21.44	1000sqft	0.49	21,440.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	9			Operational Year	2026
Utility Company	Pasadena Water and Power				
CO2 Intensity (lb/MW hr)	802	CH4 Intensity (lb/MW hr)	0	N2O Intensity (lb/MW hr)	0

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Existing - operations only for uses to be removed. CO2 Intensity factor from Pasadena 2020 power content label and requirements for 2026

Land Use - Hospital is veterinarian

Hardware/paint is furniture store

Restaurant is two restaurants

Construction Phase - no construction

Off-road Equipment - No construction

Vehicle Trips - Weekday trip rates per TIA, trip lengths reduced to emulate Exchange, as it has lower rates (for conservatism).

Energy Use - Per applicant

Water And Wastewater - per Applicant

Waste Mitigation - .

Affinity - Existing - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Fleet Mix - .

Table Name	Column Name	Default Value	New Value
tblEnergyUse	LightingElect	6.26	3.58
tblEnergyUse	LightingElect	7.87	10.52
tblEnergyUse	LightingElect	5.31	6.40
tblEnergyUse	NT24E	3.23	1.85
tblEnergyUse	NT24E	28.16	37.63
tblEnergyUse	NT24E	7.55	9.10
tblEnergyUse	NT24NG	0.49	1.16
tblEnergyUse	NT24NG	187.78	191.04
tblEnergyUse	NT24NG	9.82	10.92
tblEnergyUse	T24E	3.58	2.05
tblEnergyUse	T24E	7.24	9.67
tblEnergyUse	T24E	8.89	10.72
tblEnergyUse	T24NG	1.14	2.69
tblEnergyUse	T24NG	42.55	43.29
tblEnergyUse	T24NG	54.39	60.48
tblFleetMix	HHD	8.0840e-003	9.0486e-004
tblFleetMix	HHD	8.0840e-003	9.0486e-004
tblFleetMix	HHD	8.0840e-003	9.0486e-004
tblFleetMix	LDA	0.54	0.73
tblFleetMix	LDA	0.54	0.73
tblFleetMix	LDA	0.54	0.73
tblFleetMix	LDT1	0.07	0.08
tblFleetMix	LDT1	0.07	0.08
tblFleetMix	LDT1	0.07	0.08
tblFleetMix	LDT2	0.19	0.08
tblFleetMix	LDT2	0.19	0.08

Affinity - Existing - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblFleetMix	LDT2	0.19	0.08
tblFleetMix	LHD1	0.02	9.0486e-004
tblFleetMix	LHD1	0.02	9.0486e-004
tblFleetMix	LHD1	0.02	9.0486e-004
tblFleetMix	LHD2	6.5180e-003	9.0486e-004
tblFleetMix	LHD2	6.5180e-003	9.0486e-004
tblFleetMix	LHD2	6.5180e-003	9.0486e-004
tblFleetMix	MCY	0.03	0.03
tblFleetMix	MCY	0.03	0.03
tblFleetMix	MCY	0.03	0.03
tblFleetMix	MDV	0.13	0.07
tblFleetMix	MDV	0.13	0.07
tblFleetMix	MDV	0.13	0.07
tblFleetMix	MH	3.3180e-003	3.3359e-003
tblFleetMix	MH	3.3180e-003	3.3359e-003
tblFleetMix	MH	3.3180e-003	3.3359e-003
tblFleetMix	MHD	0.01	9.0486e-004
tblFleetMix	MHD	0.01	9.0486e-004
tblFleetMix	MHD	0.01	9.0486e-004
tblFleetMix	OBUS	9.3300e-004	9.3804e-004
tblFleetMix	OBUS	9.3300e-004	9.3804e-004
tblFleetMix	OBUS	9.3300e-004	9.3804e-004
tblFleetMix	SBUS	7.0800e-004	7.1183e-004
tblFleetMix	SBUS	7.0800e-004	7.1183e-004
tblFleetMix	SBUS	7.0800e-004	7.1183e-004
tblFleetMix	UBUS	5.9100e-004	5.9419e-004
tblFleetMix	UBUS	5.9100e-004	5.9419e-004
tblFleetMix	UBUS	5.9100e-004	5.9419e-004
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00

Affinity - Existing - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblProjectCharacteristics	CH4IntensityFactor	0.033	0
tblProjectCharacteristics	CO2IntensityFactor	872.98	802
tblProjectCharacteristics	N2OIntensityFactor	0.004	0
tblVehicleTrips	CC_TL	8.40	2.95
tblVehicleTrips	CC_TL	8.40	2.95
tblVehicleTrips	CC_TL	8.40	2.95
tblVehicleTrips	CNW_TL	6.90	2.95
tblVehicleTrips	CNW_TL	6.90	2.95
tblVehicleTrips	CNW_TL	6.90	2.95
tblVehicleTrips	CW_TL	16.60	2.95
tblVehicleTrips	CW_TL	16.60	2.95
tblVehicleTrips	CW_TL	16.60	2.95
tblVehicleTrips	DV_TP	29.00	0.00
tblVehicleTrips	DV_TP	20.00	0.00
tblVehicleTrips	DV_TP	25.00	0.00
tblVehicleTrips	PB_TP	26.00	0.00
tblVehicleTrips	PB_TP	43.00	0.00
tblVehicleTrips	PB_TP	2.00	0.00
tblVehicleTrips	PR_TP	45.00	100.00
tblVehicleTrips	PR_TP	37.00	100.00
tblVehicleTrips	PR_TP	73.00	100.00
tblVehicleTrips	ST_TR	9.14	40.00
tblVehicleTrips	ST_TR	7.72	15.48
tblVehicleTrips	SU_TR	9.14	40.00
tblVehicleTrips	SU_TR	6.77	13.58
tblVehicleTrips	WD_TR	9.14	40.00
tblVehicleTrips	WD_TR	10.72	21.50

Affinity - Existing - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblWater	IndoorWaterUseRate	1,588,114.86	713,666.25
tblWater	IndoorWaterUseRate	3,581,697.81	6,457,488.75
tblWater	IndoorWaterUseRate	1,591,093.22	1,041,071.25
tblWater	OutdoorWaterUseRate	973,360.72	237,888.75
tblWater	OutdoorWaterUseRate	228,619.01	2,152,496.25
tblWater	OutdoorWaterUseRate	303,065.37	347,023.75

2.0 Emissions Summary**2.1 Overall Construction****Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2026	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Maximum	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					

Affinity - Existing - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2026	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Maximum	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
		Highest		

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.1873	1.0000e-005	5.8000e-004	0.0000		0.0000	0.0000		0.0000	0.0000			1.1400e-003	0.0000	0.0000	1.2100e-003
Energy	0.0202	0.1840	0.1545	1.1000e-003		0.0140	0.0140		0.0140	0.0140			627.7591	3.8400e-003	3.6700e-003	628.9492
Mobile	0.7272	0.3934	5.3861	8.1900e-003	0.9999	6.7000e-003	1.0066	0.2657	6.1900e-003	0.2719			782.7093	0.0824	0.0383	796.1670
Waste						0.0000	0.0000		0.0000	0.0000			104.5627	6.1795	0.0000	259.0496
Water						0.0000	0.0000		0.0000	0.0000			52.5685	0.2676	6.3200e-003	61.1413
Total	0.9347	0.5773	5.5412	9.2900e-003	0.9999	0.0207	1.0206	0.2657	0.0202	0.2859			1,567.6007	6.5333	0.0482	1,745.3083

Affinity - Existing - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.1873	1.0000e-005	5.8000e-004	0.0000		0.0000	0.0000		0.0000	0.0000			1.1400e-003	0.0000	0.0000	1.2100e-003
Energy	0.0202	0.1840	0.1545	1.1000e-003		0.0140	0.0140		0.0140	0.0140			627.7591	3.8400e-003	3.6700e-003	628.9492
Mobile	0.7272	0.3934	5.3861	8.1900e-003	0.9999	6.7000e-003	1.0066	0.2657	6.1900e-003	0.2719			782.7093	0.0824	0.0383	796.1670
Waste						0.0000	0.0000		0.0000	0.0000			52.2813	3.0897	0.0000	129.5248
Water						0.0000	0.0000		0.0000	0.0000			52.5685	0.2676	6.3200e-003	61.1413
Total	0.9347	0.5773	5.5412	9.2900e-003	0.9999	0.0207	1.0206	0.2657	0.0202	0.2859			1,515.3194	3.4436	0.0482	1,615.7835

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.34	47.29	0.00	7.42

3.0 Construction Detail**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2026	1/28/2026	5	20	

Acres of Grading (Site Preparation Phase): 0

Affinity - Existing - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**Acres of Grading (Grading Phase): 0****Acres of Paving: 0****Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating –****OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Rubber Tired Dozers	0	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	0	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	0	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction**3.2 Demolition - 2026****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000

Affinity - Existing - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000

Affinity - Existing - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000

4.0 Operational Detail - Mobile**4.1 Mitigation Measures Mobile**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.7272	0.3934	5.3861	8.1900e-003	0.9999	6.7000e-003	1.0066	0.2657	6.1900e-003	0.2719			782.7093	0.0824	0.0383	796.1670
Unmitigated	0.7272	0.3934	5.3861	8.1900e-003	0.9999	6.7000e-003	1.0066	0.2657	6.1900e-003	0.2719			782.7093	0.0824	0.0383	796.1670

Affinity - Existing - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Hardware/Paint Store	857.60	857.60	857.60	920,891	920,891
High Turnover (Sit Down Restaurant)	1,323.72	1,444.32	1683.15	1,495,051	1,495,051
Hospital	272.62	196.29	172.19	265,624	265,624
Total	2,453.94	2,498.21	2,712.95	2,681,566	2,681,566

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Hardware/Paint Store	2.95	2.95	2.95	13.60	67.40	19.00	100	0	0
High Turnover (Sit Down Restaurant)	2.95	2.95	2.95	8.50	72.50	19.00	100	0	0
Hospital	2.95	2.95	2.95	64.90	16.10	19.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Hardware/Paint Store	0.733946	0.080432	0.080432	0.070378	0.000905	0.000905	0.000905	0.000905	0.000938	0.000594	0.025612	0.000712	0.003336
High Turnover (Sit Down Restaurant)	0.733946	0.080432	0.080432	0.070378	0.000905	0.000905	0.000905	0.000905	0.000938	0.000594	0.025612	0.000712	0.003336
Hospital	0.733946	0.080432	0.080432	0.070378	0.000905	0.000905	0.000905	0.000905	0.000938	0.000594	0.025612	0.000712	0.003336

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Affinity - Existing - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000			427.4853	0.0000	0.0000	427.4853
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000			427.4853	0.0000	0.0000	427.4853
NaturalGas Mitigated	0.0202	0.1840	0.1545	1.1000e-003		0.0140	0.0140		0.0140	0.0140			200.2738	3.8400e-003	3.6700e-003	201.4640
NaturalGas Unmitigated	0.0202	0.1840	0.1545	1.1000e-003		0.0140	0.0140		0.0140	0.0140			200.2738	3.8400e-003	3.6700e-003	201.4640

5.2 Energy by Land Use - NaturalGas**Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Hardware/Paint Store	82544	4.5000e-004	4.0500e-003	3.4000e-003	2.0000e-005		3.1000e-004	3.1000e-004		3.1000e-004	3.1000e-004			4.4049	8.0000e-005	8.0000e-005	4.4310
High Turnover (Sit Down Restaurant)	2.76509e+006	0.0149	0.1355	0.1139	8.1000e-004		0.0103	0.0103		0.0103	0.0103			147.5560	2.8300e-003	2.7100e-003	148.4328
Hospital	905352	4.8800e-003	0.0444	0.0373	2.7000e-004		3.3700e-003	3.3700e-003		3.3700e-003	3.3700e-003			48.3130	9.3000e-004	8.9000e-004	48.6001
Total		0.0202	0.1840	0.1545	1.1000e-003		0.0140	0.0140		0.0140	0.0140			200.2738	3.8400e-003	3.6800e-003	201.4640

Affinity - Existing - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**Mitigated**

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Hardware/Paint Store	82544	4.5000e-004	4.0500e-003	3.4000e-003	2.0000e-005		3.1000e-004	3.1000e-004		3.1000e-004	3.1000e-004			4.4049	8.0000e-005	8.0000e-005	4.4310
High Turnover (Sit Down Restaurant)	2.76509e+006	0.0149	0.1355	0.1139	8.1000e-004		0.0103	0.0103		0.0103	0.0103			147.5560	2.8300e-003	2.7100e-003	148.4328
Hospital	905352	4.8800e-003	0.0444	0.0373	2.7000e-004		3.3700e-003	3.3700e-003		3.3700e-003	3.3700e-003			48.3130	9.3000e-004	8.9000e-004	48.6001
Total		0.0202	0.1840	0.1545	1.1000e-003		0.0140	0.0140		0.0140	0.0140			200.2738	3.8400e-003	3.6800e-003	201.4640

5.3 Energy by Land Use - Electricity**Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Hardware/Paint Store	160371	58.3400	0.0000	0.0000	58.3400
High Turnover (Sit Down Restaurant)	682276	248.1991	0.0000	0.0000	248.1991
Hospital	332470	120.9462	0.0000	0.0000	120.9462
Total		427.4853	0.0000	0.0000	427.4853

Affinity - Existing - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**Mitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Hardware/Paint Store	160371	58.3400	0.0000	0.0000	58.3400
High Turnover (Sit Down Restaurant)	682276	248.1991	0.0000	0.0000	248.1991
Hospital	332470	120.9462	0.0000	0.0000	120.9462
Total		427.4853	0.0000	0.0000	427.4853

6.0 Area Detail**6.1 Mitigation Measures Area**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.1873	1.0000e-005	5.8000e-004	0.0000		0.0000	0.0000		0.0000	0.0000			1.1400e-003	0.0000	0.0000	1.2100e-003
Unmitigated	0.1873	1.0000e-005	5.8000e-004	0.0000		0.0000	0.0000		0.0000	0.0000			1.1400e-003	0.0000	0.0000	1.2100e-003

Affinity - Existing - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**6.2 Area by SubCategory****Unmitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0213					0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Consumer Products	0.1659					0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Landscaping	5.0000e-005	1.0000e-005	5.8000e-004	0.0000		0.0000	0.0000		0.0000	0.0000			1.1400e-003	0.0000	0.0000	1.2100e-003
Total	0.1873	1.0000e-005	5.8000e-004	0.0000		0.0000	0.0000		0.0000	0.0000			1.1400e-003	0.0000	0.0000	1.2100e-003

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0213					0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Consumer Products	0.1659					0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Landscaping	5.0000e-005	1.0000e-005	5.8000e-004	0.0000		0.0000	0.0000		0.0000	0.0000			1.1400e-003	0.0000	0.0000	1.2100e-003

Affinity - Existing - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Total	0.1873	1.0000e-005	5.8000e-004	0.0000		0.0000	0.0000		0.0000	0.0000			1.1400e-003	0.0000	0.0000	1.2100e-003
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7.0 Water Detail**7.1 Mitigation Measures Water**

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	52.5685	0.2676	6.3200e-003	61.1413
Unmitigated	52.5685	0.2676	6.3200e-003	61.1413

7.2 Water by Land Use**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Hardware/Paint Store	0.713666 / 0.237889	4.5684	0.0233	5.5000e-004	5.3134
High Turnover (Sit Down Restaurant)	6.45749 / 2.1525	41.3360	0.2104	4.9700e-003	48.0770

Affinity - Existing - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Hospital	1.04107 / 0.347024	6.6642	0.0339	8.0000e-004	7.7509
Total		52.5685	0.2676	6.3200e-003	61.1413

Mitigated

Indoor/Outdoor Use		Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Hardware/Paint Store	0.713666 / 0.237889	4.5684	0.0233	5.5000e-004	5.3134
High Turnover (Sit Down Restaurant)	6.45749 / 2.1525	41.3360	0.2104	4.9700e-003	48.0770
Hospital	1.04107 / 0.347024	6.6642	0.0339	8.0000e-004	7.7509
Total		52.5685	0.2676	6.3200e-003	61.1413

8.0 Waste Detail**8.1 Mitigation Measures Waste**

Institute Recycling and Composting Services

Category/Year

Affinity - Existing - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	52.2813	3.0897	0.0000	129.5248
Unmitigated	104.5627	6.1795	0.0000	259.0496

8.2 Waste by Land Use**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Hardware/Paint Store	237.75	48.2611	2.8522	0.0000	119.5648
High Turnover (Sit Down Restaurant)	140.42	28.5040	1.6845	0.0000	70.6174
Hospital	136.94	27.7976	1.6428	0.0000	68.8673
Total		104.5627	6.1795	0.0000	259.0496

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
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Affinity - Existing - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Land Use	tons	MT/yr			
Hardware/Paint Store	118.875	24.1306	1.4261	0.0000	59.7824
High Turnover (Sit Down Restaurant)	70.21	14.2520	0.8423	0.0000	35.3087
Hospital	68.47	13.8988	0.8214	0.0000	34.4337
Total		52.2813	3.0897	0.0000	129.5248

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment**Fire Pumps and Emergency Generators**

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

Affinity-Proposed - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**Affinity-Proposed
Los Angeles-South Coast County, Winter****1.0 Project Characteristics****1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Medical Office Building	151.00	1000sqft	0.88	151,000.00	0
Enclosed Parking with Elevator	415.06	1000sqft	0.20	415,063.00	0
High Turnover (Sit Down Restaurant)	3.00	1000sqft	0.02	3,000.00	0
Apartments Mid Rise	95.00	Dwelling Unit	0.45	98,576.00	111
Congregate Care (Assisted Living)	86.00	Dwelling Unit	0.45	85,800.00	111

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	9			Operational Year	2026
Utility Company	Pasadena Water and Power				
CO2 Intensity (lb/MW hr)	802	CH4 Intensity (lb/MW hr)	0	N2O Intensity (lb/MW hr)	0

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CO2 Intensity Factor for 2026, per 2020 Power Content Label and what is legally required
<https://ww5.cityofpasadena.net/water-and-power/wp-content/uploads/sites/54/2021/08/2020-Power-Content-Label-for-Website.pdf>

Land Use - Data from project description
 Lot acreage estimates

Construction Phase - Project schedule per client

Off-road Equipment - 2 buildings

Off-road Equipment - Const equipment by client - 2 buildings

Off-road Equipment - Const equipment by client

Off-road Equipment - Const equipment by client

Affinity-Proposed - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Off-road Equipment - Const equipment by client

Trips and VMT - Haul trips and distance per client

Demolition -

Grading - .

Vehicle Trips - Trip rates per TIA and to account for increased trips from converted use (in high-turnover land use). trip length adjustments per Pasadena DOT CEQA study

Woodstoves - No fireplaces

Energy Use - Provided by Applicant. High Turnover also includes electrical and NG consumption for converted uses

Water And Wastewater - Water use per City Will Serve letter

Construction Off-road Equipment Mitigation -

Area Mitigation -

Energy Mitigation -

Waste Mitigation -

Fleet Mix - .

Stationary Sources - Emergency Generators and Fire Pumps - 2 -200 KVA emerg generators

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	66.00
tblConstructionPhase	NumDays	2.00	26.00
tblConstructionPhase	NumDays	4.00	108.00
tblConstructionPhase	NumDays	200.00	640.00
tblConstructionPhase	NumDays	10.00	53.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblEnergyUse	LightingElect	741.44	851.37
tblEnergyUse	LightingElect	741.44	940.46
tblEnergyUse	LightingElect	7.87	31.14
tblEnergyUse	LightingElect	3.77	4.13

Affinity-Proposed - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblEnergyUse	NT24E	3,054.10	3,506.90
tblEnergyUse	NT24E	3,054.10	3,873.90
tblEnergyUse	NT24E	28.16	111.42
tblEnergyUse	NT24E	4.62	5.06
tblEnergyUse	NT24NG	6,384.00	4,898.50
tblEnergyUse	NT24NG	6,384.00	5,411.10
tblEnergyUse	NT24NG	187.78	565.70
tblEnergyUse	T24E	53.81	61.79
tblEnergyUse	T24E	53.81	68.25
tblEnergyUse	T24E	7.24	28.65
tblEnergyUse	T24E	4.11	4.50
tblEnergyUse	T24NG	6,682.59	5,127.60
tblEnergyUse	T24NG	6,682.59	5,664.20
tblEnergyUse	T24NG	42.55	128.20
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	80.75	0.00
tblFireplaces	NumberGas	73.10	0.00
tblFireplaces	NumberNoFireplace	9.50	0.00
tblFireplaces	NumberNoFireplace	8.60	0.00
tblFireplaces	NumberWood	4.75	0.00
tblFireplaces	NumberWood	4.30	0.00
tblFleetMix	HHD	8.0840e-003	9.0500e-004
tblFleetMix	HHD	8.0840e-003	9.0500e-004
tblFleetMix	HHD	8.0840e-003	9.0500e-004
tblFleetMix	HHD	8.0840e-003	9.0500e-004
tblFleetMix	HHD	8.0840e-003	9.0500e-004
tblFleetMix	LDA	0.54	0.73

Affinity-Proposed - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblFleetMix	LDA	0.54	0.73
tblFleetMix	LDA	0.54	0.73
tblFleetMix	LDA	0.54	0.73
tblFleetMix	LDA	0.54	0.73
tblFleetMix	LDT1	0.07	0.08
tblFleetMix	LDT1	0.07	0.08
tblFleetMix	LDT1	0.07	0.08
tblFleetMix	LDT1	0.07	0.08
tblFleetMix	LDT1	0.07	0.08
tblFleetMix	LDT2	0.19	0.08
tblFleetMix	LDT2	0.19	0.08
tblFleetMix	LDT2	0.19	0.08
tblFleetMix	LDT2	0.19	0.08
tblFleetMix	LDT2	0.19	0.08
tblFleetMix	LHD1	0.02	9.0500e-004
tblFleetMix	LHD1	0.02	9.0500e-004
tblFleetMix	LHD1	0.02	9.0500e-004
tblFleetMix	LHD1	0.02	9.0500e-004
tblFleetMix	LHD1	0.02	9.0500e-004
tblFleetMix	LHD2	6.5180e-003	9.0500e-004
tblFleetMix	LHD2	6.5180e-003	9.0500e-004
tblFleetMix	LHD2	6.5180e-003	9.0500e-004
tblFleetMix	LHD2	6.5180e-003	9.0500e-004
tblFleetMix	LHD2	6.5180e-003	9.0500e-004
tblFleetMix	MCY	0.03	0.03
tblFleetMix	MCY	0.03	0.03
tblFleetMix	MCY	0.03	0.03
tblFleetMix	MCY	0.03	0.03
tblFleetMix	MCY	0.03	0.03
tblFleetMix	MDV	0.13	0.07

Affinity-Proposed - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblFleetMix	MDV	0.13	0.07
tblFleetMix	MDV	0.13	0.07
tblFleetMix	MDV	0.13	0.07
tblFleetMix	MDV	0.13	0.07
tblFleetMix	MH	3.3180e-003	3.3360e-003
tblFleetMix	MH	3.3180e-003	3.3360e-003
tblFleetMix	MH	3.3180e-003	3.3360e-003
tblFleetMix	MH	3.3180e-003	3.3360e-003
tblFleetMix	MH	3.3180e-003	3.3360e-003
tblFleetMix	MHD	0.01	9.0500e-004
tblFleetMix	MHD	0.01	9.0500e-004
tblFleetMix	MHD	0.01	9.0500e-004
tblFleetMix	MHD	0.01	9.0500e-004
tblFleetMix	MHD	0.01	9.0500e-004
tblFleetMix	OBUS	9.3300e-004	9.3800e-004
tblFleetMix	OBUS	9.3300e-004	9.3800e-004
tblFleetMix	OBUS	9.3300e-004	9.3800e-004
tblFleetMix	OBUS	9.3300e-004	9.3800e-004
tblFleetMix	OBUS	9.3300e-004	9.3800e-004
tblFleetMix	SBUS	7.0800e-004	7.1200e-004
tblFleetMix	SBUS	7.0800e-004	7.1200e-004
tblFleetMix	SBUS	7.0800e-004	7.1200e-004
tblFleetMix	SBUS	7.0800e-004	7.1200e-004
tblFleetMix	SBUS	7.0800e-004	7.1200e-004
tblFleetMix	UBUS	5.9100e-004	5.9400e-004
tblFleetMix	UBUS	5.9100e-004	5.9400e-004
tblFleetMix	UBUS	5.9100e-004	5.9400e-004
tblFleetMix	UBUS	5.9100e-004	5.9400e-004
tblFleetMix	UBUS	5.9100e-004	5.9400e-004
tblGrading	MaterialExported	0.00	184,013.00

Affinity-Proposed - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblGrading	MaterialExported	0.00	480.00
tblLandUse	LandUseSquareFeet	415,060.00	415,063.00
tblLandUse	LandUseSquareFeet	95,000.00	98,576.00
tblLandUse	LandUseSquareFeet	86,000.00	85,800.00
tblLandUse	LotAcreage	3.47	0.88
tblLandUse	LotAcreage	9.53	0.20
tblLandUse	LotAcreage	0.07	0.02
tblLandUse	LotAcreage	2.50	0.45
tblLandUse	LotAcreage	5.38	0.45
tblLandUse	Population	272.00	111.00
tblLandUse	Population	246.00	111.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	UsageHours	6.00	12.00
tblOffRoadEquipment	UsageHours	6.00	12.00
tblOffRoadEquipment	UsageHours	8.00	12.00
tblOffRoadEquipment	UsageHours	6.00	12.00
tblOffRoadEquipment	UsageHours	8.00	12.00
tblOffRoadEquipment	UsageHours	7.00	12.00
tblOffRoadEquipment	UsageHours	8.00	12.00
tblOffRoadEquipment	UsageHours	8.00	12.00
tblProjectCharacteristics	CH4IntensityFactor	0.033	0

Affinity-Proposed - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblProjectCharacteristics	CO2IntensityFactor	872.98	802
tblProjectCharacteristics	N2OIntensityFactor	0.004	0
tblStationaryGeneratorsPumpsUse	HorsePowerValue	0.00	215.00
tblStationaryGeneratorsPumpsUse	HoursPerDay	0.00	1.00
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	52.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	2.00
tblTripsAndVMT	HaulingTripLength	20.00	5.00
tblTripsAndVMT	HaulingTripLength	20.00	5.00
tblTripsAndVMT	HaulingTripLength	20.00	5.00
tblTripsAndVMT	HaulingTripLength	20.00	5.00
tblTripsAndVMT	HaulingTripLength	20.00	5.00
tblTripsAndVMT	HaulingTripNumber	209.00	600.00
tblTripsAndVMT	HaulingTripNumber	47.00	60.00
tblTripsAndVMT	HaulingTripNumber	23,002.00	26,400.00
tblTripsAndVMT	VendorTripNumber	113.00	6.00
tblTripsAndVMT	WorkerTripNumber	354.00	150.00
tblTripsAndVMT	WorkerTripNumber	71.00	30.00
tblVehicleTrips	CC_TL	8.40	3.44
tblVehicleTrips	CC_TL	8.40	3.44
tblVehicleTrips	CC_TL	8.40	3.44
tblVehicleTrips	CNW_TL	6.90	3.44
tblVehicleTrips	CNW_TL	6.90	3.44
tblVehicleTrips	CNW_TL	6.90	3.44
tblVehicleTrips	CW_TL	16.60	3.44
tblVehicleTrips	CW_TL	16.60	3.44
tblVehicleTrips	CW_TL	16.60	3.44
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	DV_TP	20.00	0.00
tblVehicleTrips	DV_TP	30.00	0.00

Affinity-Proposed - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblVehicleTrips	HO_TL	8.70	3.44
tblVehicleTrips	HO_TL	8.70	3.44
tblVehicleTrips	HS_TL	5.90	3.44
tblVehicleTrips	HS_TL	5.90	3.44
tblVehicleTrips	HW_TL	14.70	3.44
tblVehicleTrips	HW_TL	14.70	3.44
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	43.00	0.00
tblVehicleTrips	PB_TP	10.00	0.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	PR_TP	37.00	100.00
tblVehicleTrips	PR_TP	60.00	100.00
tblVehicleTrips	ST_TR	4.91	2.67
tblVehicleTrips	ST_TR	2.93	4.72
tblVehicleTrips	ST_TR	122.40	362.39
tblVehicleTrips	ST_TR	8.57	7.71
tblVehicleTrips	SU_TR	4.09	2.23
tblVehicleTrips	SU_TR	3.15	5.08
tblVehicleTrips	SU_TR	142.64	422.31
tblVehicleTrips	SU_TR	1.42	1.28
tblVehicleTrips	WD_TR	5.44	2.96
tblVehicleTrips	WD_TR	2.60	4.19
tblVehicleTrips	WD_TR	112.18	332.13
tblVehicleTrips	WD_TR	34.80	31.32
tblWater	IndoorWaterUseRate	6,189,632.43	2,609,750.00
tblWater	IndoorWaterUseRate	5,603,246.20	1,635,200.00
tblWater	IndoorWaterUseRate	910,601.14	5,835,620.00
tblWater	IndoorWaterUseRate	18,947,561.17	7,716,100.00

Affinity-Proposed - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblWater	OutdoorWaterUseRate	3,902,159.58	102,200.00
tblWater	OutdoorWaterUseRate	3,532,481.30	102,200.00
tblWater	OutdoorWaterUseRate	58,123.48	102,200.00
tblWater	OutdoorWaterUseRate	3,609,059.27	102,200.00
tblWoodstoves	NumberCatalytic	4.75	0.00
tblWoodstoves	NumberCatalytic	4.30	0.00
tblWoodstoves	NumberNoncatalytic	4.75	0.00
tblWoodstoves	NumberNoncatalytic	4.30	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary**2.1 Overall Construction (Maximum Daily Emission)****Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	5.6008	41.6204	57.2926	0.1162	1.7151	1.8960	3.6111	0.4557	1.8509	2.3066			11,740.2128	2.2474	0.7129	12,008.8281
2024	5.2482	39.0931	56.7733	0.1049	1.7151	1.6638	3.3789	0.4557	1.6229	2.0786			9,968.4887	1.2134	0.0515	10,014.1572
2025	51.6551	36.6325	56.2832	0.1044	1.7151	1.4425	3.1576	0.4557	1.4061	1.8618			9,932.3327	1.1884	0.0489	9,976.6104
2026	51.6500	4.6359	8.0527	0.0145	0.3353	0.2078	0.5431	0.0889	0.2076	0.2966			1,394.6233	0.0671	6.0500e-003	1,398.1036
Maximum	51.6551	41.6204	57.2926	0.1162	1.7151	1.8960	3.6111	0.4557	1.8509	2.3066			11,740.2128	2.2474	0.7129	12,008.8281

Affinity-Proposed - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	5.6008	41.6204	57.2926	0.1162	1.7151	1.8960	3.6111	0.4557	1.8509	2.3066			11,740.2128	2.2474	0.7129	12,008.8281
2024	5.2482	39.0931	56.7733	0.1049	1.7151	1.6638	3.3789	0.4557	1.6229	2.0786			9,968.4887	1.2134	0.0515	10,014.1572
2025	51.6551	36.6325	56.2832	0.1044	1.7151	1.4425	3.1576	0.4557	1.4061	1.8618			9,932.3327	1.1884	0.0489	9,976.6104
2026	51.6500	4.6359	8.0527	0.0145	0.3353	0.2078	0.5431	0.0889	0.2076	0.2966			1,394.6233	0.0671	6.0500e-003	1,398.1036
Maximum	51.6551	41.6204	57.2926	0.1162	1.7151	1.8960	3.6111	0.4557	1.8509	2.3066			11,740.2128	2.2474	0.7129	12,008.8281

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	8.0389	0.1724	14.9765	7.9000e-004		0.0830	0.0830		0.0830	0.0830			27.0125	0.0261	0.0000	27.6643
Energy	0.1638	1.4583	1.0256	8.9300e-003		0.1132	0.1132		0.1132	0.1132			1,786.7737	0.0343	0.0328	1,797.3916

Affinity-Proposed - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Mobile	11.5872	6.3010	87.6990	0.1382	17.5698	0.1115	17.6814	4.6616	0.1029	4.7645			14,549.982 1	1.4692	0.6724	14,787.083 6
Stationary	0.7057	1.9723	1.7993	3.3900e-003		0.1038	0.1038		0.1038	0.1038			360.9911	0.0506		362.2564
Total	20.4956	9.9040	105.5004	0.1513	17.5698	0.4115	17.9813	4.6616	0.4029	5.0644			16,724.759 3	1.5801	0.7052	16,974.395 8

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	8.0389	0.1724	14.9765	7.9000e-004		0.0830	0.0830		0.0830	0.0830			27.0125	0.0261	0.0000	27.6643
Energy	0.1638	1.4583	1.0256	8.9300e-003		0.1132	0.1132		0.1132	0.1132			1,786.7737	0.0343	0.0328	1,797.3916
Mobile	11.5872	6.3010	87.6990	0.1382	17.5698	0.1115	17.6814	4.6616	0.1029	4.7645			14,549.982 1	1.4692	0.6724	14,787.083 6
Stationary	0.7057	1.9723	1.7993	3.3900e-003		0.1038	0.1038		0.1038	0.1038			360.9911	0.0506		362.2564
Total	20.4956	9.9040	105.5004	0.1513	17.5698	0.4115	17.9813	4.6616	0.4029	5.0644			16,724.759 3	1.5801	0.7052	16,974.395 8

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
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Affinity-Proposed - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

1	Demolition	Demolition	3/13/2023	5/27/2023	6	66
2	Site Preparation	Site Preparation	5/28/2023	6/27/2023	6	26
3	Grading	Grading	6/28/2023	10/31/2023	6	108
4	Building Construction	Building Construction	11/1/2023	11/15/2025	6	640
5	Architectural Coating	Architectural Coating	11/16/2025	1/16/2026	6	53

Acres of Grading (Site Preparation Phase): 0**Acres of Grading (Grading Phase): 0****Acres of Paving: 0.2****Residential Indoor: 373,361; Residential Outdoor: 124,454; Non-Residential Indoor: 231,000; Non-Residential Outdoor: 77,000; Striped Parking Area:****OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Excavators	1	12.00	158	0.38
Demolition	Off-Highway Trucks	1	12.00	402	0.38
Demolition	Rubber Tired Dozers	0	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	2	12.00	97	0.37
Site Preparation	Excavators	1	12.00	158	0.38
Site Preparation	Graders	0	8.00	187	0.41
Site Preparation	Off-Highway Trucks	1	12.00	402	0.38
Site Preparation	Rubber Tired Dozers	0	7.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	2	12.00	97	0.37
Grading	Bore/Drill Rigs	2	12.00	221	0.50
Grading	Cranes	2	12.00	231	0.29
Grading	Excavators	1	12.00	158	0.38
Grading	Generator Sets	1	12.00	84	0.74
Grading	Graders	0	8.00	187	0.41
Grading	Plate Compactors	1	12.00	8	0.43
Grading	Rubber Tired Dozers	0	8.00	247	0.40

Affinity-Proposed - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Grading	Tractors/Loaders/Backhoes	2	12.00	97	0.37
Building Construction	Air Compressors	2	12.00	78	0.48
Building Construction	Cranes	1	12.00	231	0.29
Building Construction	Excavators	1	12.00	158	0.38
Building Construction	Forklifts	0	6.00	89	0.20
Building Construction	Generator Sets	1	12.00	84	0.74
Building Construction	Pumps	3	12.00	84	0.74
Building Construction	Skid Steer Loaders	2	12.00	65	0.37
Building Construction	Tractors/Loaders/Backhoes	1	12.00	97	0.37
Building Construction	Welders	3	12.00	46	0.45
Architectural Coating	Air Compressors	2	12.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	4	10.00	0.00	600.00	14.70	6.90	5.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	4	10.00	0.00	60.00	14.70	6.90	5.00	LD_Mix	HDT_Mix	HHDT
Grading	9	23.00	0.00	26,400.00	14.70	6.90	5.00	LD_Mix	HDT_Mix	HHDT
Building Construction	14	150.00	6.00	0.00	14.70	6.90	5.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	2	30.00	0.00	0.00	14.70	6.90	5.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 2023**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Affinity-Proposed - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Category	lb/day										lb/day					
Fugitive Dust					0.6848	0.0000	0.6848	0.1037	0.0000	0.1037			0.0000			0.0000
Off-Road	1.4929	12.2818	16.5133	0.0369		0.5347	0.5347		0.4919	0.4919			3,574.7207	1.1561		3,603.6241
Total	1.4929	12.2818	16.5133	0.0369	0.6848	0.5347	1.2194	0.1037	0.4919	0.5956			3,574.7207	1.1561		3,603.6241

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0110	0.4416	0.1854	1.5100e-003	0.0399	1.9600e-003	0.0419	0.0110	1.8700e-003	0.0128			165.7102	8.5300e-003	0.0263	173.7610
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Worker	0.0344	0.0247	0.3331	9.4000e-004	0.1118	6.7000e-004	0.1125	0.0296	6.2000e-004	0.0303			95.9227	2.5600e-003	2.4700e-003	96.7212
Total	0.0454	0.4663	0.5184	2.4500e-003	0.1517	2.6300e-003	0.1543	0.0406	2.4900e-003	0.0431			261.6329	0.0111	0.0288	270.4822

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Affinity-Proposed - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Fugitive Dust					0.2671	0.0000	0.2671	0.0404	0.0000	0.0404			0.0000		0.0000
Off-Road	1.4929	12.2818	16.5133	0.0369		0.5347	0.5347		0.4919	0.4919			3,574.7207	1.1561	3,603.6241
Total	1.4929	12.2818	16.5133	0.0369	0.2671	0.5347	0.8017	0.0404	0.4919	0.5323			3,574.7207	1.1561	3,603.6241

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0110	0.4416	0.1854	1.5100e-003	0.0399	1.9600e-003	0.0419	0.0110	1.8700e-003	0.0128			165.7102	8.5300e-003	0.0263	173.7610
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Worker	0.0344	0.0247	0.3331	9.4000e-004	0.1118	6.7000e-004	0.1125	0.0296	6.2000e-004	0.0303			95.9227	2.5600e-003	2.4700e-003	96.7212
Total	0.0454	0.4663	0.5184	2.4500e-003	0.1517	2.6300e-003	0.1543	0.0406	2.4900e-003	0.0431			261.6329	0.0111	0.0288	270.4822

3.3 Site Preparation - 2023**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000

Affinity-Proposed - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Off-Road	1.4929	12.2818	16.5133	0.0369		0.5347	0.5347		0.4919	0.4919			3,574.7207	1.1561		3,603.6241
Total	1.4929	12.2818	16.5133	0.0369	0.0000	0.5347	0.5347	0.0000	0.4919	0.4919			3,574.7207	1.1561		3,603.6241

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	2.8000e-003	0.1121	0.0471	3.8000e-004	0.0101	5.0000e-004	0.0106	2.7800e-003	4.8000e-004	3.2600e-003			42.0649	2.1700e-003	6.6800e-003	44.1086
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Worker	0.0344	0.0247	0.3331	9.4000e-004	0.1118	6.7000e-004	0.1125	0.0296	6.2000e-004	0.0303			95.9227	2.5600e-003	2.4700e-003	96.7212
Total	0.0372	0.1368	0.3801	1.3200e-003	0.1219	1.1700e-003	0.1231	0.0324	1.1000e-003	0.0335			137.9876	4.7300e-003	9.1500e-003	140.8298

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	1.4929	12.2818	16.5133	0.0369		0.5347	0.5347		0.4919	0.4919			3,574.7207	1.1561		3,603.6241

Affinity-Proposed - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Total	1.4929	12.2818	16.5133	0.0369	0.0000	0.5347	0.5347	0.0000	0.4919	0.4919			3,574.7207	1.1561		3,603.6241
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Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	2.8000e-003	0.1121	0.0471	3.8000e-004	0.0101	5.0000e-004	0.0106	2.7800e-003	4.8000e-004	3.2600e-003			42.0649	2.1700e-003	6.6800e-003	44.1086
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Worker	0.0344	0.0247	0.3331	9.4000e-004	0.1118	6.7000e-004	0.1125	0.0296	6.2000e-004	0.0303			95.9227	2.5600e-003	2.4700e-003	96.7212
Total	0.0372	0.1368	0.3801	1.3200e-003	0.1219	1.1700e-003	0.1231	0.0324	1.1000e-003	0.0335			137.9876	4.7300e-003	9.1500e-003	140.8298

3.4 Grading - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.1927	0.0000	0.1927	0.0292	0.0000	0.0292			0.0000			0.0000
Off-Road	2.9557	28.9455	29.0022	0.0734		1.2243	1.2243		1.1429	1.1429			7,063.8264	2.0121		7,114.1285
Total	2.9557	28.9455	29.0022	0.0734	0.1927	1.2243	1.4170	0.0292	1.1429	1.1721			7,063.8264	2.0121		7,114.1285

Affinity-Proposed - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2961	11.8753	4.9839	0.0406	1.0736	0.0527	1.1263	0.2947	0.0504	0.3451			4,455.7643	0.2294	0.7072	4,672.2408
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Worker	0.0791	0.0567	0.7661	2.1600e-003	0.2571	1.5500e-003	0.2586	0.0682	1.4300e-003	0.0696			220.6221	5.8800e-003	5.6700e-003	222.4588
Total	0.3752	11.9321	5.7500	0.0428	1.3307	0.0542	1.3849	0.3629	0.0518	0.4147			4,676.3865	0.2353	0.7129	4,894.6996

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0752	0.0000	0.0752	0.0114	0.0000	0.0114			0.0000			0.0000
Off-Road	2.9557	28.9455	29.0022	0.0734		1.2243	1.2243		1.1429	1.1429			7,063.8264	2.0121		7,114.1285
Total	2.9557	28.9455	29.0022	0.0734	0.0752	1.2243	1.2995	0.0114	1.1429	1.1543			7,063.8264	2.0121		7,114.1285

Affinity-Proposed - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2961	11.8753	4.9839	0.0406	1.0736	0.0527	1.1263	0.2947	0.0504	0.3451			4,455.7643	0.2294	0.7072	4,672.2408
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Worker	0.0791	0.0567	0.7661	2.1600e-003	0.2571	1.5500e-003	0.2586	0.0682	1.4300e-003	0.0696			220.6221	5.8800e-003	5.6700e-003	222.4588
Total	0.3752	11.9321	5.7500	0.0428	1.3307	0.0542	1.3849	0.3629	0.0518	0.4147			4,676.3865	0.2353	0.7129	4,894.6996

3.5 Building Construction - 2023**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	5.0781	41.0094	52.2044	0.0902		1.8848	1.8848		1.8404	1.8404			8,439.8601	1.1931		8,469.6886
Total	5.0781	41.0094	52.2044	0.0902		1.8848	1.8848		1.8404	1.8404			8,439.8601	1.1931		8,469.6886

Unmitigated Construction Off-Site

Affinity-Proposed - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	6.6700e-003	0.2411	0.0920	1.1200e-003	0.0384	1.1600e-003	0.0396	0.0111	1.1100e-003	0.0122			120.3722	4.0100e-003	0.0173	125.6347
Worker	0.5161	0.3699	4.9962	0.0141	1.6767	0.0101	1.6868	0.4447	9.3100e-003	0.4540			1,438.8401	0.0384	0.0370	1,450.8182
Total	0.5228	0.6110	5.0882	0.0152	1.7151	0.0113	1.7264	0.4557	0.0104	0.4662			1,559.2123	0.0424	0.0543	1,576.4529

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	5.0781	41.0094	52.2044	0.0902		1.8848	1.8848		1.8404	1.8404			8,439.8601	1.1931		8,469.6886
Total	5.0781	41.0094	52.2044	0.0902		1.8848	1.8848		1.8404	1.8404			8,439.8601	1.1931		8,469.6886

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Affinity-Proposed - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	6.6700e-003	0.2411	0.0920	1.1200e-003	0.0384	1.1600e-003	0.0396	0.0111	1.1100e-003	0.0122			120.3722	4.0100e-003	0.0173	125.6347
Worker	0.5161	0.3699	4.9962	0.0141	1.6767	0.0101	1.6868	0.4447	9.3100e-003	0.4540			1,438.8401	0.0384	0.0370	1,450.8182
Total	0.5228	0.6110	5.0882	0.0152	1.7151	0.0113	1.7264	0.4557	0.0104	0.4662			1,559.2123	0.0424	0.0543	1,576.4529

3.5 Building Construction - 2024**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.7592	38.5213	52.0286	0.0902		1.6530	1.6530		1.6128	1.6128			8,440.6103	1.1746		8,469.9759
Total	4.7592	38.5213	52.0286	0.0902		1.6530	1.6530		1.6128	1.6128			8,440.6103	1.1746		8,469.9759

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000

Affinity-Proposed - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Vendor	6.4500e-003	0.2416	0.0901	1.1000e-003	0.0384	1.1700e-003	0.0396	0.0111	1.1200e-003	0.0122			118.5686	4.0200e-003	0.0171	123.7591
Worker	0.4826	0.3302	4.6546	0.0137	1.6767	9.7000e-003	1.6864	0.4447	8.9300e-003	0.4536			1,409.3098	0.0347	0.0344	1,420.4222
Total	0.4891	0.5719	4.7447	0.0148	1.7151	0.0109	1.7260	0.4557	0.0101	0.4658			1,527.8784	0.0388	0.0515	1,544.1814

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.7592	38.5213	52.0286	0.0902		1.6530	1.6530		1.6128	1.6128			8,440.6103	1.1746		8,469.9759
Total	4.7592	38.5213	52.0286	0.0902		1.6530	1.6530		1.6128	1.6128			8,440.6103	1.1746		8,469.9759

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	6.4500e-003	0.2416	0.0901	1.1000e-003	0.0384	1.1700e-003	0.0396	0.0111	1.1200e-003	0.0122			118.5686	4.0200e-003	0.0171	123.7591
Worker	0.4826	0.3302	4.6546	0.0137	1.6767	9.7000e-003	1.6864	0.4447	8.9300e-003	0.4536			1,409.3098	0.0347	0.0344	1,420.4222

Affinity-Proposed - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Total	0.4891	0.5719	4.7447	0.0148	1.7151	0.0109	1.7260	0.4557	0.0101	0.4658			1,527.8784	0.0388	0.0515	1,544.1814
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3.5 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.4556	36.0953	51.8534	0.0902		1.4321	1.4321		1.3964	1.3964			8,440.9042	1.1530		8,469.7295
Total	4.4556	36.0953	51.8534	0.0902		1.4321	1.4321		1.3964	1.3964			8,440.9042	1.1530		8,469.7295

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	6.2500e-003	0.2405	0.0885	1.0800e-003	0.0384	1.1800e-003	0.0396	0.0111	1.1200e-003	0.0122			116.4375	4.0500e-003	0.0168	121.5405
Worker	0.4529	0.2967	4.3413	0.0132	1.6767	9.2600e-003	1.6859	0.4447	8.5200e-003	0.4532			1,374.9910	0.0314	0.0321	1,385.3404
Total	0.4592	0.5372	4.4298	0.0143	1.7151	0.0104	1.7255	0.4557	9.6400e-003	0.4654			1,491.4285	0.0354	0.0489	1,506.8809

Affinity-Proposed - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.4556	36.0953	51.8534	0.0902		1.4321	1.4321		1.3964	1.3964			8,440.9042	1.1530		8,469.7295
Total	4.4556	36.0953	51.8534	0.0902		1.4321	1.4321		1.3964	1.3964			8,440.9042	1.1530		8,469.7295

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	6.2500e-003	0.2405	0.0885	1.0800e-003	0.0384	1.1800e-003	0.0396	0.0111	1.1200e-003	0.0122			116.4375	4.0500e-003	0.0168	121.5405
Worker	0.4529	0.2967	4.3413	0.0132	1.6767	9.2600e-003	1.6859	0.4447	8.5200e-003	0.4532			1,374.9910	0.0314	0.0321	1,385.3404
Total	0.4592	0.5372	4.4298	0.0143	1.7151	0.0104	1.7255	0.4557	9.6400e-003	0.4654			1,491.4285	0.0354	0.0489	1,506.8809

3.6 Architectural Coating - 2025**Unmitigated Construction On-Site**

Affinity-Proposed - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	50.8811					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.6834	4.5820	7.2365	0.0119		0.2060	0.2060		0.2060	0.2060			1,125.7922	0.0614		1,127.3275
Total	51.5645	4.5820	7.2365	0.0119		0.2060	0.2060		0.2060	0.2060			1,125.7922	0.0614		1,127.3275

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Worker	0.0906	0.0593	0.8683	2.6400e-003	0.3353	1.8500e-003	0.3372	0.0889	1.7000e-003	0.0906			274.9982	6.2700e-003	6.4200e-003	277.0681
Total	0.0906	0.0593	0.8683	2.6400e-003	0.3353	1.8500e-003	0.3372	0.0889	1.7000e-003	0.0906			274.9982	6.2700e-003	6.4200e-003	277.0681

Mitigated Construction On-Site

Affinity-Proposed - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	50.8811					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.6834	4.5820	7.2365	0.0119		0.2060	0.2060		0.2060	0.2060			1,125.7922	0.0614		1,127.3275
Total	51.5645	4.5820	7.2365	0.0119		0.2060	0.2060		0.2060	0.2060			1,125.7922	0.0614		1,127.3275

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Worker	0.0906	0.0593	0.8683	2.6400e-003	0.3353	1.8500e-003	0.3372	0.0889	1.7000e-003	0.0906			274.9982	6.2700e-003	6.4200e-003	277.0681
Total	0.0906	0.0593	0.8683	2.6400e-003	0.3353	1.8500e-003	0.3372	0.0889	1.7000e-003	0.0906			274.9982	6.2700e-003	6.4200e-003	277.0681

3.6 Architectural Coating - 2026**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Affinity-Proposed - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Category	lb/day										lb/day					
Archit. Coating	50.8811					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.6834	4.5820	7.2365	0.0119		0.2060	0.2060		0.2060	0.2060			1,125.7922	0.0614		1,127.3275
Total	51.5645	4.5820	7.2365	0.0119		0.2060	0.2060		0.2060	0.2060			1,125.7922	0.0614		1,127.3275

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Worker	0.0855	0.0539	0.8161	2.5600e-003	0.3353	1.7600e-003	0.3371	0.0889	1.6200e-003	0.0906			268.8312	5.7000e-003	6.0500e-003	270.7761
Total	0.0855	0.0539	0.8161	2.5600e-003	0.3353	1.7600e-003	0.3371	0.0889	1.6200e-003	0.0906			268.8312	5.7000e-003	6.0500e-003	270.7761

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Affinity-Proposed - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Archit. Coating	50.8811					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.6834	4.5820	7.2365	0.0119		0.2060	0.2060		0.2060	0.2060			1,125.7922	0.0614		1,127.3275
Total	51.5645	4.5820	7.2365	0.0119		0.2060	0.2060		0.2060	0.2060			1,125.7922	0.0614		1,127.3275

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Worker	0.0855	0.0539	0.8161	2.5600e-003	0.3353	1.7600e-003	0.3371	0.0889	1.6200e-003	0.0906			268.8312	5.7000e-003	6.0500e-003	270.7761
Total	0.0855	0.0539	0.8161	2.5600e-003	0.3353	1.7600e-003	0.3371	0.0889	1.6200e-003	0.0906			268.8312	5.7000e-003	6.0500e-003	270.7761

4.0 Operational Detail - Mobile**4.1 Mitigation Measures Mobile**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Affinity-Proposed - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Category	lb/day										lb/day				
Mitigated	11.5872	6.3010	87.6990	0.1382	17.5698	0.1115	17.6814	4.6616	0.1029	4.7645		14,549.982	1.4692	0.6724	14,787.083
Unmitigated	11.5872	6.3010	87.6990	0.1382	17.5698	0.1115	17.6814	4.6616	0.1029	4.7645		14,549.982	1.4692	0.6724	14,787.083

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	281.20	253.65	211.85	334,774	334,774
Congregate Care (Assisted Living)	360.34	405.92	436.88	473,048	473,048
Enclosed Parking with Elevator	0.00	0.00	0.00		
High Turnover (Sit Down Restaurant)	996.39	1,087.17	1266.93	1,312,273	1,312,273
Medical Office Building	4,729.32	1,164.21	193.28	4,472,732	4,472,732
Total	6,367.25	2,910.95	2,108.94	6,592,826	6,592,826

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	3.44	3.44	3.44	40.20	19.20	40.60	100	0	0
Congregate Care (Assisted Living)	3.44	3.44	3.44	40.20	19.20	40.60	100	0	0
Enclosed Parking with Elevator	3.44	3.44	3.44	0.00	0.00	0.00	0	0	0
High Turnover (Sit Down Restaurant)	3.44	3.44	3.44	8.50	72.50	19.00	100	0	0
Medical Office Building	3.44	3.44	3.44	29.60	51.40	19.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.733946	0.080432	0.080432	0.070378	0.000905	0.000905	0.000905	0.000905	0.000938	0.000594	0.025612	0.000712	0.003336
Congregate Care (Assisted Living)	0.733946	0.080432	0.080432	0.070378	0.000905	0.000905	0.000905	0.000905	0.000938	0.000594	0.025612	0.000712	0.003336
Enclosed Parking with Elevator	0.733946	0.080432	0.080432	0.070378	0.000905	0.000905	0.000905	0.000905	0.000938	0.000594	0.025612	0.000712	0.003336
High Turnover (Sit Down Restaurant)	0.733946	0.080432	0.080432	0.070378	0.000905	0.000905	0.000905	0.000905	0.000938	0.000594	0.025612	0.000712	0.003336
Medical Office Building	0.733946	0.080432	0.080432	0.070378	0.000905	0.000905	0.000905	0.000905	0.000938	0.000594	0.025612	0.000712	0.003336

5.0 Energy Detail

Affinity-Proposed - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.1638	1.4583	1.0256	8.9300e-003		0.1132	0.1132		0.1132	0.1132			1,786.7737	0.0343	0.0328	1,797.3916
NaturalGas Unmitigated	0.1638	1.4583	1.0256	8.9300e-003		0.1132	0.1132		0.1132	0.1132			1,786.7737	0.0343	0.0328	1,797.3916

5.2 Energy by Land Use - NaturalGas**Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	2609.53	0.0281	0.2405	0.1023	1.5400e-003		0.0194	0.0194		0.0194	0.0194			307.0039	5.8800e-003	5.6300e-003	308.8282
Congregate Care (Assisted Living)	2609.52	0.0281	0.2405	0.1023	1.5400e-003		0.0194	0.0194		0.0194	0.0194			307.0027	5.8800e-003	5.6300e-003	308.8270
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
High Turnover (Sit Down Restaurant)	5703.29	0.0615	0.5592	0.4697	3.3500e-003		0.0425	0.0425		0.0425	0.0425			670.9750	0.0129	0.0123	674.9623
Medical Office Building	4265.23	0.0460	0.4182	0.3513	2.5100e-003		0.0318	0.0318		0.0318	0.0318			501.7921	9.6200e-003	9.2000e-003	504.7740

Affinity-Proposed - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Total		0.1638	1.4583	1.0256	8.9400e-003		0.1132	0.1132		0.1132	0.1132			1,786.7737	0.0342	0.0328	1,797.3916
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Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	2.60953	0.0281	0.2405	0.1023	1.5400e-003		0.0194	0.0194		0.0194	0.0194			307.0039	5.8800e-003	5.6300e-003	308.8282
Congregate Care (Assisted Living)	2.60952	0.0281	0.2405	0.1023	1.5400e-003		0.0194	0.0194		0.0194	0.0194			307.0027	5.8800e-003	5.6300e-003	308.8270
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
High Turnover (Sit Down Restaurant)	5.70329	0.0615	0.5592	0.4697	3.3500e-003		0.0425	0.0425		0.0425	0.0425			670.9750	0.0129	0.0123	674.9623
Medical Office Building	4.26523	0.0460	0.4182	0.3513	2.5100e-003		0.0318	0.0318		0.0318	0.0318			501.7921	9.6200e-003	9.2000e-003	504.7740
Total		0.1638	1.4583	1.0256	8.9400e-003		0.1132	0.1132		0.1132	0.1132			1,786.7737	0.0342	0.0328	1,797.3916

6.0 Area Detail**6.1 Mitigation Measures Area**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Affinity-Proposed - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Category	lb/day										lb/day					
Mitigated	8.0389	0.1724	14.9765	7.9000e-004		0.0830	0.0830		0.0830	0.0830			27.0125	0.0261	0.0000	27.6643
Unmitigated	8.0389	0.1724	14.9765	7.9000e-004		0.0830	0.0830		0.0830	0.0830			27.0125	0.0261	0.0000	27.6643

6.2 Area by SubCategory**Unmitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.7388					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	6.8469					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Landscaping	0.4533	0.1724	14.9765	7.9000e-004		0.0830	0.0830		0.0830	0.0830			27.0125	0.0261		27.6643
Total	8.0389	0.1724	14.9765	7.9000e-004		0.0830	0.0830		0.0830	0.0830			27.0125	0.0261	0.0000	27.6643

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					

Affinity-Proposed - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Architectural Coating	0.7388					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	6.8469					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Landscaping	0.4533	0.1724	14.9765	7.9000e-004		0.0830	0.0830		0.0830	0.0830			27.0125	0.0261		27.6643
Total	8.0389	0.1724	14.9765	7.9000e-004		0.0830	0.0830		0.0830	0.0830			27.0125	0.0261	0.0000	27.6643

7.0 Water Detail**7.1 Mitigation Measures Water****8.0 Waste Detail****8.1 Mitigation Measures Waste**

Institute Recycling and Composting Services

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment**Fire Pumps and Emergency Generators**

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	2	1	52	215	0.73	Diesel

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Affinity-Proposed - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Equipment Type	Number
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10.1 Stationary Sources

Unmitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	lb/day										lb/day					
Emergency Generator Diesel	0.7057	1.9723	1.7993	3.3900e-003		0.1038	0.1038		0.1038	0.1038			360.9911	0.0506		362.2564
Total	0.7057	1.9723	1.7993	3.3900e-003		0.1038	0.1038		0.1038	0.1038			360.9911	0.0506		362.2564

11.0 Vegetation

Affinity-Proposed - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**Affinity-Proposed
Los Angeles-South Coast County, Summer****1.0 Project Characteristics****1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Medical Office Building	151.00	1000sqft	0.88	151,000.00	0
Enclosed Parking with Elevator	415.06	1000sqft	0.20	415,063.00	0
High Turnover (Sit Down Restaurant)	3.00	1000sqft	0.02	3,000.00	0
Apartments Mid Rise	95.00	Dwelling Unit	0.45	98,576.00	111
Congregate Care (Assisted Living)	86.00	Dwelling Unit	0.45	85,800.00	111

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	9			Operational Year	2026
Utility Company	Pasadena Water and Power				
CO2 Intensity (lb/MW hr)	802	CH4 Intensity (lb/MW hr)	0	N2O Intensity (lb/MW hr)	0

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CO2 Intensity Factor for 2026, per 2020 Power Content Label and what is legally required
<https://ww5.cityofpasadena.net/water-and-power/wp-content/uploads/sites/54/2021/08/2020-Power-Content-Label-for-Website.pdf>

Land Use - Data from project description
 Lot acreage estimates

Construction Phase - Project schedule per client

Off-road Equipment - 2 buildings

Off-road Equipment - Const equipment by client - 2 buildings

Off-road Equipment - Const equipment by client

Off-road Equipment - Const equipment by client

Affinity-Proposed - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Off-road Equipment - Const equipment by client

Trips and VMT - Haul trips and distance per client

Demolition -

Grading - .

Vehicle Trips - Trip rates per TIA and to account for increased trips from converted use (in high-turnover land use). trip length adjustments per Pasadena DOT CEQA study

Woodstoves - No fireplaces

Energy Use - Provided by Applicant. High Turnover also includes electrical and NG consumption for converted uses

Water And Wastewater - Water use per City Will Serve letter

Construction Off-road Equipment Mitigation -

Area Mitigation -

Energy Mitigation -

Waste Mitigation -

Fleet Mix - .

Stationary Sources - Emergency Generators and Fire Pumps - 2 -200 KVA emerg generators

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	66.00
tblConstructionPhase	NumDays	2.00	26.00
tblConstructionPhase	NumDays	4.00	108.00
tblConstructionPhase	NumDays	200.00	640.00
tblConstructionPhase	NumDays	10.00	53.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblEnergyUse	LightingElect	741.44	851.37
tblEnergyUse	LightingElect	741.44	940.46
tblEnergyUse	LightingElect	7.87	31.14
tblEnergyUse	LightingElect	3.77	4.13
tblEnergyUse	NT24E	3,054.10	3,506.90

Affinity-Proposed - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblEnergyUse	NT24E	3,054.10	3,873.90
tblEnergyUse	NT24E	28.16	111.42
tblEnergyUse	NT24E	4.62	5.06
tblEnergyUse	NT24NG	6,384.00	4,898.50
tblEnergyUse	NT24NG	6,384.00	5,411.10
tblEnergyUse	NT24NG	187.78	565.70
tblEnergyUse	T24E	53.81	61.79
tblEnergyUse	T24E	53.81	68.25
tblEnergyUse	T24E	7.24	28.65
tblEnergyUse	T24E	4.11	4.50
tblEnergyUse	T24NG	6,682.59	5,127.60
tblEnergyUse	T24NG	6,682.59	5,664.20
tblEnergyUse	T24NG	42.55	128.20
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	80.75	0.00
tblFireplaces	NumberGas	73.10	0.00
tblFireplaces	NumberNoFireplace	9.50	0.00
tblFireplaces	NumberNoFireplace	8.60	0.00
tblFireplaces	NumberWood	4.75	0.00
tblFireplaces	NumberWood	4.30	0.00
tblFleetMix	HHD	8.0840e-003	9.0500e-004
tblFleetMix	HHD	8.0840e-003	9.0500e-004
tblFleetMix	HHD	8.0840e-003	9.0500e-004
tblFleetMix	HHD	8.0840e-003	9.0500e-004
tblFleetMix	HHD	8.0840e-003	9.0500e-004
tblFleetMix	LDA	0.54	0.73
tblFleetMix	LDA	0.54	0.73

Affinity-Proposed - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblFleetMix	LDA	0.54	0.73
tblFleetMix	LDA	0.54	0.73
tblFleetMix	LDA	0.54	0.73
tblFleetMix	LDT1	0.07	0.08
tblFleetMix	LDT1	0.07	0.08
tblFleetMix	LDT1	0.07	0.08
tblFleetMix	LDT1	0.07	0.08
tblFleetMix	LDT1	0.07	0.08
tblFleetMix	LDT2	0.19	0.08
tblFleetMix	LDT2	0.19	0.08
tblFleetMix	LDT2	0.19	0.08
tblFleetMix	LDT2	0.19	0.08
tblFleetMix	LDT2	0.19	0.08
tblFleetMix	LHD1	0.02	9.0500e-004
tblFleetMix	LHD1	0.02	9.0500e-004
tblFleetMix	LHD1	0.02	9.0500e-004
tblFleetMix	LHD1	0.02	9.0500e-004
tblFleetMix	LHD1	0.02	9.0500e-004
tblFleetMix	LHD2	6.5180e-003	9.0500e-004
tblFleetMix	LHD2	6.5180e-003	9.0500e-004
tblFleetMix	LHD2	6.5180e-003	9.0500e-004
tblFleetMix	LHD2	6.5180e-003	9.0500e-004
tblFleetMix	LHD2	6.5180e-003	9.0500e-004
tblFleetMix	MCY	0.03	0.03
tblFleetMix	MCY	0.03	0.03
tblFleetMix	MCY	0.03	0.03
tblFleetMix	MCY	0.03	0.03
tblFleetMix	MCY	0.03	0.03
tblFleetMix	MDV	0.13	0.07
tblFleetMix	MDV	0.13	0.07

Affinity-Proposed - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblFleetMix	MDV	0.13	0.07
tblFleetMix	MDV	0.13	0.07
tblFleetMix	MDV	0.13	0.07
tblFleetMix	MH	3.3180e-003	3.3360e-003
tblFleetMix	MH	3.3180e-003	3.3360e-003
tblFleetMix	MH	3.3180e-003	3.3360e-003
tblFleetMix	MH	3.3180e-003	3.3360e-003
tblFleetMix	MH	3.3180e-003	3.3360e-003
tblFleetMix	MHD	0.01	9.0500e-004
tblFleetMix	MHD	0.01	9.0500e-004
tblFleetMix	MHD	0.01	9.0500e-004
tblFleetMix	MHD	0.01	9.0500e-004
tblFleetMix	MHD	0.01	9.0500e-004
tblFleetMix	OBUS	9.3300e-004	9.3800e-004
tblFleetMix	OBUS	9.3300e-004	9.3800e-004
tblFleetMix	OBUS	9.3300e-004	9.3800e-004
tblFleetMix	OBUS	9.3300e-004	9.3800e-004
tblFleetMix	OBUS	9.3300e-004	9.3800e-004
tblFleetMix	SBUS	7.0800e-004	7.1200e-004
tblFleetMix	SBUS	7.0800e-004	7.1200e-004
tblFleetMix	SBUS	7.0800e-004	7.1200e-004
tblFleetMix	SBUS	7.0800e-004	7.1200e-004
tblFleetMix	SBUS	7.0800e-004	7.1200e-004
tblFleetMix	UBUS	5.9100e-004	5.9400e-004
tblFleetMix	UBUS	5.9100e-004	5.9400e-004
tblFleetMix	UBUS	5.9100e-004	5.9400e-004
tblFleetMix	UBUS	5.9100e-004	5.9400e-004
tblFleetMix	UBUS	5.9100e-004	5.9400e-004
tblGrading	MaterialExported	0.00	184,013.00
tblGrading	MaterialExported	0.00	480.00

Affinity-Proposed - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblLandUse	LandUseSquareFeet	415,060.00	415,063.00
tblLandUse	LandUseSquareFeet	95,000.00	98,576.00
tblLandUse	LandUseSquareFeet	86,000.00	85,800.00
tblLandUse	LotAcreage	3.47	0.88
tblLandUse	LotAcreage	9.53	0.20
tblLandUse	LotAcreage	0.07	0.02
tblLandUse	LotAcreage	2.50	0.45
tblLandUse	LotAcreage	5.38	0.45
tblLandUse	Population	272.00	111.00
tblLandUse	Population	246.00	111.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	UsageHours	6.00	12.00
tblOffRoadEquipment	UsageHours	6.00	12.00
tblOffRoadEquipment	UsageHours	8.00	12.00
tblOffRoadEquipment	UsageHours	6.00	12.00
tblOffRoadEquipment	UsageHours	8.00	12.00
tblOffRoadEquipment	UsageHours	7.00	12.00
tblOffRoadEquipment	UsageHours	8.00	12.00
tblOffRoadEquipment	UsageHours	8.00	12.00
tblProjectCharacteristics	CH4IntensityFactor	0.033	0
tblProjectCharacteristics	CO2IntensityFactor	872.98	802

Affinity-Proposed - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblProjectCharacteristics	N2OIntensityFactor	0.004	0
tblStationaryGeneratorsPumpsUse	HorsePowerValue	0.00	215.00
tblStationaryGeneratorsPumpsUse	HoursPerDay	0.00	1.00
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	52.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	2.00
tblTripsAndVMT	HaulingTripLength	20.00	5.00
tblTripsAndVMT	HaulingTripLength	20.00	5.00
tblTripsAndVMT	HaulingTripLength	20.00	5.00
tblTripsAndVMT	HaulingTripLength	20.00	5.00
tblTripsAndVMT	HaulingTripLength	20.00	5.00
tblTripsAndVMT	HaulingTripNumber	209.00	600.00
tblTripsAndVMT	HaulingTripNumber	47.00	60.00
tblTripsAndVMT	HaulingTripNumber	23,002.00	26,400.00
tblTripsAndVMT	VendorTripNumber	113.00	6.00
tblTripsAndVMT	WorkerTripNumber	354.00	150.00
tblTripsAndVMT	WorkerTripNumber	71.00	30.00
tblVehicleTrips	CC_TL	8.40	3.44
tblVehicleTrips	CC_TL	8.40	3.44
tblVehicleTrips	CC_TL	8.40	3.44
tblVehicleTrips	CNW_TL	6.90	3.44
tblVehicleTrips	CNW_TL	6.90	3.44
tblVehicleTrips	CNW_TL	6.90	3.44
tblVehicleTrips	CW_TL	16.60	3.44
tblVehicleTrips	CW_TL	16.60	3.44
tblVehicleTrips	CW_TL	16.60	3.44
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	DV_TP	20.00	0.00
tblVehicleTrips	DV_TP	30.00	0.00
tblVehicleTrips	HO_TL	8.70	3.44

Affinity-Proposed - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblVehicleTrips	HO_TL	8.70	3.44
tblVehicleTrips	HS_TL	5.90	3.44
tblVehicleTrips	HS_TL	5.90	3.44
tblVehicleTrips	HW_TL	14.70	3.44
tblVehicleTrips	HW_TL	14.70	3.44
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	43.00	0.00
tblVehicleTrips	PB_TP	10.00	0.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	PR_TP	37.00	100.00
tblVehicleTrips	PR_TP	60.00	100.00
tblVehicleTrips	ST_TR	4.91	2.67
tblVehicleTrips	ST_TR	2.93	4.72
tblVehicleTrips	ST_TR	122.40	362.39
tblVehicleTrips	ST_TR	8.57	7.71
tblVehicleTrips	SU_TR	4.09	2.23
tblVehicleTrips	SU_TR	3.15	5.08
tblVehicleTrips	SU_TR	142.64	422.31
tblVehicleTrips	SU_TR	1.42	1.28
tblVehicleTrips	WD_TR	5.44	2.96
tblVehicleTrips	WD_TR	2.60	4.19
tblVehicleTrips	WD_TR	112.18	332.13
tblVehicleTrips	WD_TR	34.80	31.32
tblWater	IndoorWaterUseRate	6,189,632.43	2,609,750.00
tblWater	IndoorWaterUseRate	5,603,246.20	1,635,200.00
tblWater	IndoorWaterUseRate	910,601.14	5,835,620.00
tblWater	IndoorWaterUseRate	18,947,561.17	7,716,100.00
tblWater	OutdoorWaterUseRate	3,902,159.58	102,200.00

Affinity-Proposed - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblWater	OutdoorWaterUseRate	3,532,481.30	102,200.00
tblWater	OutdoorWaterUseRate	58,123.48	102,200.00
tblWater	OutdoorWaterUseRate	3,609,059.27	102,200.00
tblWoodstoves	NumberCatalytic	4.75	0.00
tblWoodstoves	NumberCatalytic	4.30	0.00
tblWoodstoves	NumberNoncatalytic	4.75	0.00
tblWoodstoves	NumberNoncatalytic	4.30	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary**2.1 Overall Construction (Maximum Daily Emission)****Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	5.5653	41.5746	57.7292	0.1162	1.7151	1.8960	3.6111	0.4557	1.8508	2.3066			11,735.9225	2.2491	0.7099	12,003.6907
2024	5.2136	39.0511	57.1754	0.1057	1.7151	1.6638	3.3789	0.4557	1.6229	2.0786			10,046.5835	1.2129	0.0492	10,091.5763
2025	51.6483	36.5937	56.6545	0.1052	1.7151	1.4425	3.1576	0.4557	1.4061	1.8618			10,008.3468	1.1879	0.0468	10,051.9949
2026	51.6433	4.6308	8.1225	0.0146	0.3353	0.2078	0.5431	0.0889	0.2076	0.2966			1,409.4998	0.0670	5.6700e-003	1,412.8642
Maximum	51.6483	41.5746	57.7292	0.1162	1.7151	1.8960	3.6111	0.4557	1.8508	2.3066			11,735.9225	2.2491	0.7099	12,003.6907

Mitigated Construction

Affinity-Proposed - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	5.5653	41.5746	57.7292	0.1162	1.7151	1.8960	3.6111	0.4557	1.8508	2.3066			11,735.9225	2.2491	0.7099	12,003.6907
2024	5.2136	39.0511	57.1754	0.1057	1.7151	1.6638	3.3789	0.4557	1.6229	2.0786			10,046.5835	1.2129	0.0492	10,091.5763
2025	51.6483	36.5937	56.6545	0.1052	1.7151	1.4425	3.1576	0.4557	1.4061	1.8618			10,008.3468	1.1879	0.0468	10,051.9949
2026	51.6433	4.6308	8.1225	0.0146	0.3353	0.2078	0.5431	0.0889	0.2076	0.2966			1,409.4998	0.0670	5.6700e-003	1,412.8642
Maximum	51.6483	41.5746	57.7292	0.1162	1.7151	1.8960	3.6111	0.4557	1.8508	2.3066			11,735.9225	2.2491	0.7099	12,003.6907

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	8.0389	0.1724	14.9765	7.9000e-004		0.0830	0.0830		0.0830	0.0830			27.0125	0.0261	0.0000	27.6643
Energy	0.1638	1.4583	1.0256	8.9300e-003		0.1132	0.1132		0.1132	0.1132			1,786.7737	0.0343	0.0328	1,797.3916
Mobile	11.9958	5.7489	85.6952	0.1452	17.5698	0.1115	17.6814	4.6616	0.1029	4.7645			15,290.0672	1.3895	0.6331	15,513.4765

Affinity-Proposed - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Stationary	0.7057	1.9723	1.7993	3.3900e-003		0.1038	0.1038		0.1038	0.1038			360.9911	0.0506		362.2564
Total	20.9042	9.3519	103.4966	0.1583	17.5698	0.4115	17.9813	4.6616	0.4029	5.0644			17,464.8444	1.5005	0.6659	17,700.7888

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	8.0389	0.1724	14.9765	7.9000e-004		0.0830	0.0830		0.0830	0.0830			27.0125	0.0261	0.0000	27.6643
Energy	0.1638	1.4583	1.0256	8.9300e-003		0.1132	0.1132		0.1132	0.1132			1,786.7737	0.0343	0.0328	1,797.3916
Mobile	11.9958	5.7489	85.6952	0.1452	17.5698	0.1115	17.6814	4.6616	0.1029	4.7645			15,290.0672	1.3895	0.6331	15,513.4765
Stationary	0.7057	1.9723	1.7993	3.3900e-003		0.1038	0.1038		0.1038	0.1038			360.9911	0.0506		362.2564
Total	20.9042	9.3519	103.4966	0.1583	17.5698	0.4115	17.9813	4.6616	0.4029	5.0644			17,464.8444	1.5005	0.6659	17,700.7888

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	3/13/2023	5/27/2023	6	66	

Affinity-Proposed - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2	Site Preparation	Site Preparation	5/28/2023	6/27/2023	6	26
3	Grading	Grading	6/28/2023	10/31/2023	6	108
4	Building Construction	Building Construction	11/1/2023	11/15/2025	6	640
5	Architectural Coating	Architectural Coating	11/16/2025	1/16/2026	6	53

Acres of Grading (Site Preparation Phase): 0**Acres of Grading (Grading Phase): 0****Acres of Paving: 0.2****Residential Indoor: 373,361; Residential Outdoor: 124,454; Non-Residential Indoor: 231,000; Non-Residential Outdoor: 77,000; Striped Parking Area:****OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Excavators	1	12.00	158	0.38
Demolition	Off-Highway Trucks	1	12.00	402	0.38
Demolition	Rubber Tired Dozers	0	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	2	12.00	97	0.37
Site Preparation	Excavators	1	12.00	158	0.38
Site Preparation	Graders	0	8.00	187	0.41
Site Preparation	Off-Highway Trucks	1	12.00	402	0.38
Site Preparation	Rubber Tired Dozers	0	7.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	2	12.00	97	0.37
Grading	Bore/Drill Rigs	2	12.00	221	0.50
Grading	Cranes	2	12.00	231	0.29
Grading	Excavators	1	12.00	158	0.38
Grading	Generator Sets	1	12.00	84	0.74
Grading	Graders	0	8.00	187	0.41
Grading	Plate Compactors	1	12.00	8	0.43
Grading	Rubber Tired Dozers	0	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	12.00	97	0.37

Affinity-Proposed - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Building Construction	Air Compressors	2	12.00	78	0.48
Building Construction	Cranes	1	12.00	231	0.29
Building Construction	Excavators	1	12.00	158	0.38
Building Construction	Forklifts	0	6.00	89	0.20
Building Construction	Generator Sets	1	12.00	84	0.74
Building Construction	Pumps	3	12.00	84	0.74
Building Construction	Skid Steer Loaders	2	12.00	65	0.37
Building Construction	Tractors/Loaders/Backhoes	1	12.00	97	0.37
Building Construction	Welders	3	12.00	46	0.45
Architectural Coating	Air Compressors	2	12.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	4	10.00	0.00	600.00	14.70	6.90	5.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	4	10.00	0.00	60.00	14.70	6.90	5.00	LD_Mix	HDT_Mix	HHDT
Grading	9	23.00	0.00	26,400.00	14.70	6.90	5.00	LD_Mix	HDT_Mix	HHDT
Building Construction	14	150.00	6.00	0.00	14.70	6.90	5.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	2	30.00	0.00	0.00	14.70	6.90	5.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 2023**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Affinity-Proposed - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Fugitive Dust					0.6848	0.0000	0.6848	0.1037	0.0000	0.1037			0.0000			0.0000
Off-Road	1.4929	12.2818	16.5133	0.0369		0.5347	0.5347		0.4919	0.4919			3,574.7207	1.1561		3,603.6241
Total	1.4929	12.2818	16.5133	0.0369	0.6848	0.5347	1.2194	0.1037	0.4919	0.5956			3,574.7207	1.1561		3,603.6241

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0123	0.4193	0.1808	1.5100e-003	0.0399	1.9400e-003	0.0419	0.0110	1.8600e-003	0.0128			165.0940	8.6000e-003	0.0262	173.1174
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Worker	0.0320	0.0223	0.3624	9.9000e-004	0.1118	6.7000e-004	0.1125	0.0296	6.2000e-004	0.0303			101.2613	2.5200e-003	2.3100e-003	102.0121
Total	0.0443	0.4416	0.5431	2.5000e-003	0.1517	2.6100e-003	0.1543	0.0406	2.4800e-003	0.0431			266.3553	0.0111	0.0285	275.1295

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2671	0.0000	0.2671	0.0404	0.0000	0.0404			0.0000			0.0000

Affinity-Proposed - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Off-Road	1.4929	12.2818	16.5133	0.0369		0.5347	0.5347		0.4919	0.4919			3,574.7207	1.1561		3,603.6241
Total	1.4929	12.2818	16.5133	0.0369	0.2671	0.5347	0.8017	0.0404	0.4919	0.5323			3,574.7207	1.1561		3,603.6241

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0123	0.4193	0.1808	1.5100e-003	0.0399	1.9400e-003	0.0419	0.0110	1.8600e-003	0.0128			165.0940	8.6000e-003	0.0262	173.1174
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Worker	0.0320	0.0223	0.3624	9.9000e-004	0.1118	6.7000e-004	0.1125	0.0296	6.2000e-004	0.0303			101.2613	2.5200e-003	2.3100e-003	102.0121
Total	0.0443	0.4416	0.5431	2.5000e-003	0.1517	2.6100e-003	0.1543	0.0406	2.4800e-003	0.0431			266.3553	0.0111	0.0285	275.1295

3.3 Site Preparation - 2023**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	1.4929	12.2818	16.5133	0.0369		0.5347	0.5347		0.4919	0.4919			3,574.7207	1.1561		3,603.6241

Affinity-Proposed - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Total	1.4929	12.2818	16.5133	0.0369	0.0000	0.5347	0.5347	0.0000	0.4919	0.4919			3,574.7207	1.1561		3,603.6241
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Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	3.1200e-003	0.1064	0.0459	3.8000e-004	0.0101	4.9000e-004	0.0106	2.7800e-003	4.7000e-004	3.2500e-003			41.9085	2.1800e-003	6.6500e-003	43.9452
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Worker	0.0320	0.0223	0.3624	9.9000e-004	0.1118	6.7000e-004	0.1125	0.0296	6.2000e-004	0.0303			101.2613	2.5200e-003	2.3100e-003	102.0121
Total	0.0351	0.1288	0.4083	1.3700e-003	0.1219	1.1600e-003	0.1231	0.0324	1.0900e-003	0.0335			143.1698	4.7000e-003	8.9600e-003	145.9573

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	1.4929	12.2818	16.5133	0.0369		0.5347	0.5347		0.4919	0.4919			3,574.7207	1.1561		3,603.6241
Total	1.4929	12.2818	16.5133	0.0369	0.0000	0.5347	0.5347	0.0000	0.4919	0.4919			3,574.7207	1.1561		3,603.6241

Affinity-Proposed - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	3.1200e-003	0.1064	0.0459	3.8000e-004	0.0101	4.9000e-004	0.0106	2.7800e-003	4.7000e-004	3.2500e-003			41.9085	2.1800e-003	6.6500e-003	43.9452
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Worker	0.0320	0.0223	0.3624	9.9000e-004	0.1118	6.7000e-004	0.1125	0.0296	6.2000e-004	0.0303			101.2613	2.5200e-003	2.3100e-003	102.0121
Total	0.0351	0.1288	0.4083	1.3700e-003	0.1219	1.1600e-003	0.1231	0.0324	1.0900e-003	0.0335			143.1698	4.7000e-003	8.9600e-003	145.9573

3.4 Grading - 2023**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.1927	0.0000	0.1927	0.0292	0.0000	0.0292			0.0000			0.0000
Off-Road	2.9557	28.9455	29.0022	0.0734		1.2243	1.2243		1.1429	1.1429			7,063.8264	2.0121		7,114.1285
Total	2.9557	28.9455	29.0022	0.0734	0.1927	1.2243	1.4170	0.0292	1.1429	1.1721			7,063.8264	2.0121		7,114.1285

Affinity-Proposed - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.3302	11.2743	4.8605	0.0405	1.0736	0.0522	1.1258	0.2947	0.0499	0.3446			4,439.1952	0.2312	0.7046	4,654.9344
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Worker	0.0737	0.0514	0.8335	2.2800e-003	0.2571	1.5500e-003	0.2586	0.0682	1.4300e-003	0.0696			232.9009	5.8000e-003	5.3100e-003	234.6278
Total	0.4038	11.3257	5.6940	0.0428	1.3307	0.0537	1.3844	0.3629	0.0513	0.4142			4,672.0961	0.2370	0.7099	4,889.5622

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0752	0.0000	0.0752	0.0114	0.0000	0.0114			0.0000			0.0000
Off-Road	2.9557	28.9455	29.0022	0.0734		1.2243	1.2243		1.1429	1.1429			7,063.8264	2.0121		7,114.1285
Total	2.9557	28.9455	29.0022	0.0734	0.0752	1.2243	1.2995	0.0114	1.1429	1.1543			7,063.8264	2.0121		7,114.1285

Mitigated Construction Off-Site

Affinity-Proposed - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.3302	11.2743	4.8605	0.0405	1.0736	0.0522	1.1258	0.2947	0.0499	0.3446			4,439.1952	0.2312	0.7046	4,654.9344
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Worker	0.0737	0.0514	0.8335	2.2800e-003	0.2571	1.5500e-003	0.2586	0.0682	1.4300e-003	0.0696			232.9009	5.8000e-003	5.3100e-003	234.6278
Total	0.4038	11.3257	5.6940	0.0428	1.3307	0.0537	1.3844	0.3629	0.0513	0.4142			4,672.0961	0.2370	0.7099	4,889.5622

3.5 Building Construction - 2023**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	5.0781	41.0094	52.2044	0.0902		1.8848	1.8848		1.8404	1.8404			8,439.8601	1.1931		8,469.6886
Total	5.0781	41.0094	52.2044	0.0902		1.8848	1.8848		1.8404	1.8404			8,439.8601	1.1931		8,469.6886

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Affinity-Proposed - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	6.9100e-003	0.2303	0.0892	1.1200e-003	0.0384	1.1600e-003	0.0396	0.0111	1.1100e-003	0.0122			120.1695	4.0300e-003	0.0173	125.4187
Worker	0.4803	0.3349	5.4356	0.0148	1.6767	0.0101	1.6868	0.4447	9.3100e-003	0.4540			1,518.9192	0.0378	0.0346	1,530.1813
Total	0.4872	0.5652	5.5248	0.0160	1.7151	0.0113	1.7264	0.4557	0.0104	0.4661			1,639.0887	0.0419	0.0519	1,655.5999

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	5.0781	41.0094	52.2044	0.0902		1.8848	1.8848		1.8404	1.8404			8,439.8601	1.1931		8,469.6886
Total	5.0781	41.0094	52.2044	0.0902		1.8848	1.8848		1.8404	1.8404			8,439.8601	1.1931		8,469.6886

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000

Affinity-Proposed - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Vendor	6.9100e-003	0.2303	0.0892	1.1200e-003	0.0384	1.1600e-003	0.0396	0.0111	1.1100e-003	0.0122			120.1695	4.0300e-003	0.0173	125.4187
Worker	0.4803	0.3349	5.4356	0.0148	1.6767	0.0101	1.6868	0.4447	9.3100e-003	0.4540			1,518.9192	0.0378	0.0346	1,530.1813
Total	0.4872	0.5652	5.5248	0.0160	1.7151	0.0113	1.7264	0.4557	0.0104	0.4661			1,639.0887	0.0419	0.0519	1,655.5999

3.5 Building Construction - 2024**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.7592	38.5213	52.0286	0.0902		1.6530	1.6530		1.6128	1.6128			8,440.6103	1.1746		8,469.9759
Total	4.7592	38.5213	52.0286	0.0902		1.6530	1.6530		1.6128	1.6128			8,440.6103	1.1746		8,469.9759

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	6.7000e-003	0.2308	0.0873	1.1000e-003	0.0384	1.1700e-003	0.0396	0.0111	1.1100e-003	0.0122			118.3648	4.0400e-003	0.0170	123.5424
Worker	0.4477	0.2991	5.0595	0.0144	1.6767	9.7000e-003	1.6864	0.4447	8.9300e-003	0.4536			1,487.6085	0.0342	0.0322	1,498.0580

Affinity-Proposed - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Total	0.4544	0.5298	5.1468	0.0155	1.7151	0.0109	1.7260	0.4557	0.0100	0.4658			1,605.9732	0.0383	0.0492	1,621.6004
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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.7592	38.5213	52.0286	0.0902		1.6530	1.6530		1.6128	1.6128			8,440.6103	1.1746		8,469.9759
Total	4.7592	38.5213	52.0286	0.0902		1.6530	1.6530		1.6128	1.6128			8,440.6103	1.1746		8,469.9759

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	6.7000e-003	0.2308	0.0873	1.1000e-003	0.0384	1.1700e-003	0.0396	0.0111	1.1100e-003	0.0122			118.3648	4.0400e-003	0.0170	123.5424
Worker	0.4477	0.2991	5.0595	0.0144	1.6767	9.7000e-003	1.6864	0.4447	8.9300e-003	0.4536			1,487.6085	0.0342	0.0322	1,498.0580
Total	0.4544	0.5298	5.1468	0.0155	1.7151	0.0109	1.7260	0.4557	0.0100	0.4658			1,605.9732	0.0383	0.0492	1,621.6004

Affinity-Proposed - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2025**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.4556	36.0953	51.8534	0.0902		1.4321	1.4321		1.3964	1.3964			8,440.9042	1.1530		8,469.7295
Total	4.4556	36.0953	51.8534	0.0902		1.4321	1.4321		1.3964	1.3964			8,440.9042	1.1530		8,469.7295

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	6.5100e-003	0.2297	0.0857	1.0800e-003	0.0384	1.1700e-003	0.0396	0.0111	1.1200e-003	0.0122			116.2337	4.0700e-003	0.0167	121.3242
Worker	0.4187	0.2687	4.7153	0.0139	1.6767	9.2600e-003	1.6859	0.4447	8.5200e-003	0.4532			1,451.2088	0.0309	0.0301	1,460.9412
Total	0.4252	0.4984	4.8011	0.0150	1.7151	0.0104	1.7255	0.4557	9.6400e-003	0.4654			1,567.4426	0.0349	0.0468	1,582.2654

Mitigated Construction On-Site

Affinity-Proposed - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.4556	36.0953	51.8534	0.0902		1.4321	1.4321		1.3964	1.3964			8,440.9042	1.1530		8,469.7295
Total	4.4556	36.0953	51.8534	0.0902		1.4321	1.4321		1.3964	1.3964			8,440.9042	1.1530		8,469.7295

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	6.5100e-003	0.2297	0.0857	1.0800e-003	0.0384	1.1700e-003	0.0396	0.0111	1.1200e-003	0.0122			116.2337	4.0700e-003	0.0167	121.3242
Worker	0.4187	0.2687	4.7153	0.0139	1.6767	9.2600e-003	1.6859	0.4447	8.5200e-003	0.4532			1,451.2088	0.0309	0.0301	1,460.9412
Total	0.4252	0.4984	4.8011	0.0150	1.7151	0.0104	1.7255	0.4557	9.6400e-003	0.4654			1,567.4426	0.0349	0.0468	1,582.2654

3.6 Architectural Coating - 2025**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Affinity-Proposed - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Category	lb/day										lb/day					
Archit. Coating	50.8811					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.6834	4.5820	7.2365	0.0119		0.2060	0.2060		0.2060	0.2060			1,125.7922	0.0614		1,127.3275
Total	51.5645	4.5820	7.2365	0.0119		0.2060	0.2060		0.2060	0.2060			1,125.7922	0.0614		1,127.3275

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Worker	0.0838	0.0537	0.9431	2.7900e-003	0.3353	1.8500e-003	0.3372	0.0889	1.7000e-003	0.0906			290.2418	6.1700e-003	6.0100e-003	292.1882
Total	0.0838	0.0537	0.9431	2.7900e-003	0.3353	1.8500e-003	0.3372	0.0889	1.7000e-003	0.0906			290.2418	6.1700e-003	6.0100e-003	292.1882

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Affinity-Proposed - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Archit. Coating	50.8811					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.6834	4.5820	7.2365	0.0119		0.2060	0.2060		0.2060	0.2060			1,125.7922	0.0614		1,127.3275
Total	51.5645	4.5820	7.2365	0.0119		0.2060	0.2060		0.2060	0.2060			1,125.7922	0.0614		1,127.3275

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Worker	0.0838	0.0537	0.9431	2.7900e-003	0.3353	1.8500e-003	0.3372	0.0889	1.7000e-003	0.0906			290.2418	6.1700e-003	6.0100e-003	292.1882
Total	0.0838	0.0537	0.9431	2.7900e-003	0.3353	1.8500e-003	0.3372	0.0889	1.7000e-003	0.0906			290.2418	6.1700e-003	6.0100e-003	292.1882

3.6 Architectural Coating - 2026**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	50.8811					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Affinity-Proposed - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Off-Road	0.6834	4.5820	7.2365	0.0119		0.2060	0.2060		0.2060	0.2060			1,125.7922	0.0614		1,127.3275
Total	51.5645	4.5820	7.2365	0.0119		0.2060	0.2060		0.2060	0.2060			1,125.7922	0.0614		1,127.3275

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Worker	0.0788	0.0488	0.8859	2.7000e-003	0.3353	1.7600e-003	0.3371	0.0889	1.6200e-003	0.0906			283.7076	5.6000e-003	5.6700e-003	285.5367
Total	0.0788	0.0488	0.8859	2.7000e-003	0.3353	1.7600e-003	0.3371	0.0889	1.6200e-003	0.0906			283.7076	5.6000e-003	5.6700e-003	285.5367

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	50.8811					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.6834	4.5820	7.2365	0.0119		0.2060	0.2060		0.2060	0.2060			1,125.7922	0.0614		1,127.3275

Affinity-Proposed - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Total	51.5645	4.5820	7.2365	0.0119		0.2060	0.2060		0.2060	0.2060			1,125.7922	0.0614		1,127.3275
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Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Worker	0.0788	0.0488	0.8859	2.7000e-003	0.3353	1.7600e-003	0.3371	0.0889	1.6200e-003	0.0906			283.7076	5.6000e-003	5.6700e-003	285.5367
Total	0.0788	0.0488	0.8859	2.7000e-003	0.3353	1.7600e-003	0.3371	0.0889	1.6200e-003	0.0906			283.7076	5.6000e-003	5.6700e-003	285.5367

4.0 Operational Detail - Mobile**4.1 Mitigation Measures Mobile**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	11.9958	5.7489	85.6952	0.1452	17.5698	0.1115	17.6814	4.6616	0.1029	4.7645			15,290.067	1.3895	0.6331	15,513.476

Affinity-Proposed - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Unmitigated	11.9958	5.7489	85.6952	0.1452	17.5698	0.1115	17.6814	4.6616	0.1029	4.7645		15,290.067	1.3895	0.6331	15,513.476
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4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated Annual VMT	Mitigated Annual VMT
	Weekday	Saturday	Sunday		
Apartments Mid Rise	281.20	253.65	211.85	334,774	334,774
Congregate Care (Assisted Living)	360.34	405.92	436.88	473,048	473,048
Enclosed Parking with Elevator	0.00	0.00	0.00		
High Turnover (Sit Down Restaurant)	996.39	1,087.17	1266.93	1,312,273	1,312,273
Medical Office Building	4,729.32	1,164.21	193.28	4,472,732	4,472,732
Total	6,367.25	2,910.95	2,108.94	6,592,826	6,592,826

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	3.44	3.44	3.44	40.20	19.20	40.60	100	0	0
Congregate Care (Assisted Living)	3.44	3.44	3.44	40.20	19.20	40.60	100	0	0
Enclosed Parking with Elevator	3.44	3.44	3.44	0.00	0.00	0.00	0	0	0
High Turnover (Sit Down Restaurant)	3.44	3.44	3.44	8.50	72.50	19.00	100	0	0
Medical Office Building	3.44	3.44	3.44	29.60	51.40	19.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.733946	0.080432	0.080432	0.070378	0.000905	0.000905	0.000905	0.000905	0.000938	0.000594	0.025612	0.000712	0.003336
Congregate Care (Assisted Living)	0.733946	0.080432	0.080432	0.070378	0.000905	0.000905	0.000905	0.000905	0.000938	0.000594	0.025612	0.000712	0.003336
Enclosed Parking with Elevator	0.733946	0.080432	0.080432	0.070378	0.000905	0.000905	0.000905	0.000905	0.000938	0.000594	0.025612	0.000712	0.003336
High Turnover (Sit Down Restaurant)	0.733946	0.080432	0.080432	0.070378	0.000905	0.000905	0.000905	0.000905	0.000938	0.000594	0.025612	0.000712	0.003336
Medical Office Building	0.733946	0.080432	0.080432	0.070378	0.000905	0.000905	0.000905	0.000905	0.000938	0.000594	0.025612	0.000712	0.003336

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Affinity-Proposed - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.1638	1.4583	1.0256	8.9300e-003		0.1132	0.1132		0.1132	0.1132			1,786.7737	0.0343	0.0328	1,797.3916
NaturalGas Unmitigated	0.1638	1.4583	1.0256	8.9300e-003		0.1132	0.1132		0.1132	0.1132			1,786.7737	0.0343	0.0328	1,797.3916

5.2 Energy by Land Use - NaturalGas**Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	2609.53	0.0281	0.2405	0.1023	1.5400e-003		0.0194	0.0194		0.0194	0.0194			307.0039	5.8800e-003	5.6300e-003	308.8282
Congregate Care (Assisted Living)	2609.52	0.0281	0.2405	0.1023	1.5400e-003		0.0194	0.0194		0.0194	0.0194			307.0027	5.8800e-003	5.6300e-003	308.8270
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
High Turnover (Sit Down Restaurant)	5703.29	0.0615	0.5592	0.4697	3.3500e-003		0.0425	0.0425		0.0425	0.0425			670.9750	0.0129	0.0123	674.9623
Medical Office Building	4265.23	0.0460	0.4182	0.3513	2.5100e-003		0.0318	0.0318		0.0318	0.0318			501.7921	9.6200e-003	9.2000e-003	504.7740
Total		0.1638	1.4583	1.0256	8.9400e-003		0.1132	0.1132		0.1132	0.1132			1,786.7737	0.0342	0.0328	1,797.3916

Affinity-Proposed - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	2.60953	0.0281	0.2405	0.1023	1.5400e-003		0.0194	0.0194		0.0194	0.0194			307.0039	5.8800e-003	5.6300e-003	308.8282
Congregate Care (Assisted Living)	2.60952	0.0281	0.2405	0.1023	1.5400e-003		0.0194	0.0194		0.0194	0.0194			307.0027	5.8800e-003	5.6300e-003	308.8270
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
High Turnover (Sit Down Restaurant)	5.70329	0.0615	0.5592	0.4697	3.3500e-003		0.0425	0.0425		0.0425	0.0425			670.9750	0.0129	0.0123	674.9623
Medical Office Building	4.26523	0.0460	0.4182	0.3513	2.5100e-003		0.0318	0.0318		0.0318	0.0318			501.7921	9.6200e-003	9.2000e-003	504.7740
Total		0.1638	1.4583	1.0256	8.9400e-003		0.1132	0.1132		0.1132	0.1132			1,786.7737	0.0342	0.0328	1,797.3916

6.0 Area Detail**6.1 Mitigation Measures Area**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	8.0389	0.1724	14.9765	7.9000e-004		0.0830	0.0830		0.0830	0.0830			27.0125	0.0261	0.0000	27.6643

Affinity-Proposed - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Unmitigated	8.0389	0.1724	14.9765	7.9000e-004		0.0830	0.0830		0.0830	0.0830			27.0125	0.0261	0.0000	27.6643
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6.2 Area by SubCategory**Unmitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.7388					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	6.8469					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Landscaping	0.4533	0.1724	14.9765	7.9000e-004		0.0830	0.0830		0.0830	0.0830			27.0125	0.0261		27.6643
Total	8.0389	0.1724	14.9765	7.9000e-004		0.0830	0.0830		0.0830	0.0830			27.0125	0.0261	0.0000	27.6643

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.7388					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	6.8469					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Affinity-Proposed - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Landscaping	0.4533	0.1724	14.9765	7.9000e-004		0.0830	0.0830		0.0830	0.0830			27.0125	0.0261		27.6643
Total	8.0389	0.1724	14.9765	7.9000e-004		0.0830	0.0830		0.0830	0.0830			27.0125	0.0261	0.0000	27.6643

7.0 Water Detail**7.1 Mitigation Measures Water****8.0 Waste Detail****8.1 Mitigation Measures Waste**

Institute Recycling and Composting Services

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment**Fire Pumps and Emergency Generators**

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	2	1	52	215	0.73	Diesel

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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10.1 Stationary Sources

Affinity-Proposed - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Unmitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	lb/day										lb/day					
Emergency Generator Plant	0.7057	1.9723	1.7993	3.3900e-003		0.1038	0.1038		0.1038	0.1038			360.9911	0.0506		362.2564
Total	0.7057	1.9723	1.7993	3.3900e-003		0.1038	0.1038		0.1038	0.1038			360.9911	0.0506		362.2564

11.0 Vegetation

Affinity-Proposed - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**Affinity-Proposed
Los Angeles-South Coast County, Annual****1.0 Project Characteristics****1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Medical Office Building	151.00	1000sqft	0.88	151,000.00	0
Enclosed Parking with Elevator	415.06	1000sqft	0.20	415,063.00	0
High Turnover (Sit Down Restaurant)	3.00	1000sqft	0.02	3,000.00	0
Apartments Mid Rise	95.00	Dwelling Unit	0.45	98,576.00	111
Congregate Care (Assisted Living)	86.00	Dwelling Unit	0.45	85,800.00	111

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	9			Operational Year	2026
Utility Company	Pasadena Water and Power				
CO2 Intensity (lb/MWhr)	802	CH4 Intensity (lb/MWhr)	0	N2O Intensity (lb/MWhr)	0

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CO2 Intensity Factor for 2026, per 2020 Power Content Label and what is legally required
<https://ww5.cityofpasadena.net/water-and-power/wp-content/uploads/sites/54/2021/08/2020-Power-Content-Label-for-Website.pdf>

Land Use - Data from project description
 Lot acreage estimates

Construction Phase - Project schedule per client

Off-road Equipment - 2 buildings

Off-road Equipment - Const equipment by client - 2 buildings

Off-road Equipment - Const equipment by client

Affinity-Proposed - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Off-road Equipment - Const equipment by client

Off-road Equipment - Const equipment by client

Trips and VMT - Haul trips and distance per client

Demolition -

Grading - .

Vehicle Trips - Trip rates per TIA and to account for increased trips from converted use (in high-turnover land use). trip length adjustments per Pasadena DOT CEQA study

Woodstoves - No fireplaces

Energy Use - Provided by Applicant. High Turnover also includes electrical and NG consumption for converted uses

Water And Wastewater - Water use per City Will Serve letter

Construction Off-road Equipment Mitigation -

Area Mitigation -

Energy Mitigation -

Waste Mitigation -

Fleet Mix - .

Stationary Sources - Emergency Generators and Fire Pumps - 2 -200 KVA emerg generators

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	66.00
tblConstructionPhase	NumDays	2.00	26.00
tblConstructionPhase	NumDays	4.00	108.00
tblConstructionPhase	NumDays	200.00	640.00
tblConstructionPhase	NumDays	10.00	53.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblEnergyUse	LightingElect	741.44	851.37

Affinity-Proposed - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblEnergyUse	LightingElect	741.44	940.46
tblEnergyUse	LightingElect	7.87	31.14
tblEnergyUse	LightingElect	3.77	4.13
tblEnergyUse	NT24E	3,054.10	3,506.90
tblEnergyUse	NT24E	3,054.10	3,873.90
tblEnergyUse	NT24E	28.16	111.42
tblEnergyUse	NT24E	4.62	5.06
tblEnergyUse	NT24NG	6,384.00	4,898.50
tblEnergyUse	NT24NG	6,384.00	5,411.10
tblEnergyUse	NT24NG	187.78	565.70
tblEnergyUse	T24E	53.81	61.79
tblEnergyUse	T24E	53.81	68.25
tblEnergyUse	T24E	7.24	28.65
tblEnergyUse	T24E	4.11	4.50
tblEnergyUse	T24NG	6,682.59	5,127.60
tblEnergyUse	T24NG	6,682.59	5,664.20
tblEnergyUse	T24NG	42.55	128.20
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	80.75	0.00
tblFireplaces	NumberGas	73.10	0.00
tblFireplaces	NumberNoFireplace	9.50	0.00
tblFireplaces	NumberNoFireplace	8.60	0.00
tblFireplaces	NumberWood	4.75	0.00
tblFireplaces	NumberWood	4.30	0.00
tblFleetMix	HHD	8.0840e-003	9.0500e-004
tblFleetMix	HHD	8.0840e-003	9.0500e-004

Affinity-Proposed - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblFleetMix	HHD	8.0840e-003	9.0500e-004
tblFleetMix	HHD	8.0840e-003	9.0500e-004
tblFleetMix	HHD	8.0840e-003	9.0500e-004
tblFleetMix	LDA	0.54	0.73
tblFleetMix	LDA	0.54	0.73
tblFleetMix	LDA	0.54	0.73
tblFleetMix	LDA	0.54	0.73
tblFleetMix	LDA	0.54	0.73
tblFleetMix	LDT1	0.07	0.08
tblFleetMix	LDT1	0.07	0.08
tblFleetMix	LDT1	0.07	0.08
tblFleetMix	LDT1	0.07	0.08
tblFleetMix	LDT1	0.07	0.08
tblFleetMix	LDT2	0.19	0.08
tblFleetMix	LDT2	0.19	0.08
tblFleetMix	LDT2	0.19	0.08
tblFleetMix	LDT2	0.19	0.08
tblFleetMix	LDT2	0.19	0.08
tblFleetMix	LHD1	0.02	9.0500e-004
tblFleetMix	LHD1	0.02	9.0500e-004
tblFleetMix	LHD1	0.02	9.0500e-004
tblFleetMix	LHD1	0.02	9.0500e-004
tblFleetMix	LHD1	0.02	9.0500e-004
tblFleetMix	LHD2	6.5180e-003	9.0500e-004
tblFleetMix	LHD2	6.5180e-003	9.0500e-004
tblFleetMix	LHD2	6.5180e-003	9.0500e-004
tblFleetMix	LHD2	6.5180e-003	9.0500e-004
tblFleetMix	LHD2	6.5180e-003	9.0500e-004
tblFleetMix	MCY	0.03	0.03

Affinity-Proposed - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblFleetMix	MCY	0.03	0.03
tblFleetMix	MCY	0.03	0.03
tblFleetMix	MCY	0.03	0.03
tblFleetMix	MCY	0.03	0.03
tblFleetMix	MDV	0.13	0.07
tblFleetMix	MDV	0.13	0.07
tblFleetMix	MDV	0.13	0.07
tblFleetMix	MDV	0.13	0.07
tblFleetMix	MDV	0.13	0.07
tblFleetMix	MH	3.3180e-003	3.3360e-003
tblFleetMix	MH	3.3180e-003	3.3360e-003
tblFleetMix	MH	3.3180e-003	3.3360e-003
tblFleetMix	MH	3.3180e-003	3.3360e-003
tblFleetMix	MH	3.3180e-003	3.3360e-003
tblFleetMix	MHD	0.01	9.0500e-004
tblFleetMix	MHD	0.01	9.0500e-004
tblFleetMix	MHD	0.01	9.0500e-004
tblFleetMix	MHD	0.01	9.0500e-004
tblFleetMix	MHD	0.01	9.0500e-004
tblFleetMix	OBUS	9.3300e-004	9.3800e-004
tblFleetMix	OBUS	9.3300e-004	9.3800e-004
tblFleetMix	OBUS	9.3300e-004	9.3800e-004
tblFleetMix	OBUS	9.3300e-004	9.3800e-004
tblFleetMix	OBUS	9.3300e-004	9.3800e-004
tblFleetMix	SBUS	7.0800e-004	7.1200e-004
tblFleetMix	SBUS	7.0800e-004	7.1200e-004
tblFleetMix	SBUS	7.0800e-004	7.1200e-004
tblFleetMix	SBUS	7.0800e-004	7.1200e-004
tblFleetMix	SBUS	7.0800e-004	7.1200e-004

Affinity-Proposed - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblFleetMix	UBUS	5.9100e-004	5.9400e-004
tblFleetMix	UBUS	5.9100e-004	5.9400e-004
tblFleetMix	UBUS	5.9100e-004	5.9400e-004
tblFleetMix	UBUS	5.9100e-004	5.9400e-004
tblFleetMix	UBUS	5.9100e-004	5.9400e-004
tblGrading	MaterialExported	0.00	184,013.00
tblGrading	MaterialExported	0.00	480.00
tblLandUse	LandUseSquareFeet	415,060.00	415,063.00
tblLandUse	LandUseSquareFeet	95,000.00	98,576.00
tblLandUse	LandUseSquareFeet	86,000.00	85,800.00
tblLandUse	LotAcreage	3.47	0.88
tblLandUse	LotAcreage	9.53	0.20
tblLandUse	LotAcreage	0.07	0.02
tblLandUse	LotAcreage	2.50	0.45
tblLandUse	LotAcreage	5.38	0.45
tblLandUse	Population	272.00	111.00
tblLandUse	Population	246.00	111.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	UsageHours	6.00	12.00
tblOffRoadEquipment	UsageHours	6.00	12.00

Affinity-Proposed - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblOffRoadEquipment	UsageHours	8.00	12.00
tblOffRoadEquipment	UsageHours	6.00	12.00
tblOffRoadEquipment	UsageHours	8.00	12.00
tblOffRoadEquipment	UsageHours	7.00	12.00
tblOffRoadEquipment	UsageHours	8.00	12.00
tblOffRoadEquipment	UsageHours	8.00	12.00
tblProjectCharacteristics	CH4IntensityFactor	0.033	0
tblProjectCharacteristics	CO2IntensityFactor	872.98	802
tblProjectCharacteristics	N2OIntensityFactor	0.004	0
tblStationaryGeneratorsPumpsUse	HorsePowerValue	0.00	215.00
tblStationaryGeneratorsPumpsUse	HoursPerDay	0.00	1.00
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	52.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	2.00
tblTripsAndVMT	HaulingTripLength	20.00	5.00
tblTripsAndVMT	HaulingTripLength	20.00	5.00
tblTripsAndVMT	HaulingTripLength	20.00	5.00
tblTripsAndVMT	HaulingTripLength	20.00	5.00
tblTripsAndVMT	HaulingTripLength	20.00	5.00
tblTripsAndVMT	HaulingTripNumber	209.00	600.00
tblTripsAndVMT	HaulingTripNumber	47.00	60.00
tblTripsAndVMT	HaulingTripNumber	23,002.00	26,400.00
tblTripsAndVMT	VendorTripNumber	113.00	6.00
tblTripsAndVMT	WorkerTripNumber	354.00	150.00
tblTripsAndVMT	WorkerTripNumber	71.00	30.00
tblVehicleTrips	CC_TL	8.40	3.44
tblVehicleTrips	CC_TL	8.40	3.44
tblVehicleTrips	CC_TL	8.40	3.44
tblVehicleTrips	CNW_TL	6.90	3.44
tblVehicleTrips	CNW_TL	6.90	3.44

Affinity-Proposed - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblVehicleTrips	CNW_TL	6.90	3.44
tblVehicleTrips	CW_TL	16.60	3.44
tblVehicleTrips	CW_TL	16.60	3.44
tblVehicleTrips	CW_TL	16.60	3.44
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	DV_TP	20.00	0.00
tblVehicleTrips	DV_TP	30.00	0.00
tblVehicleTrips	HO_TL	8.70	3.44
tblVehicleTrips	HO_TL	8.70	3.44
tblVehicleTrips	HS_TL	5.90	3.44
tblVehicleTrips	HS_TL	5.90	3.44
tblVehicleTrips	HW_TL	14.70	3.44
tblVehicleTrips	HW_TL	14.70	3.44
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	43.00	0.00
tblVehicleTrips	PB_TP	10.00	0.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	PR_TP	37.00	100.00
tblVehicleTrips	PR_TP	60.00	100.00
tblVehicleTrips	ST_TR	4.91	2.67
tblVehicleTrips	ST_TR	2.93	4.72
tblVehicleTrips	ST_TR	122.40	362.39
tblVehicleTrips	ST_TR	8.57	7.71
tblVehicleTrips	SU_TR	4.09	2.23
tblVehicleTrips	SU_TR	3.15	5.08
tblVehicleTrips	SU_TR	142.64	422.31

Affinity-Proposed - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblVehicleTrips	SU_TR	1.42	1.28
tblVehicleTrips	WD_TR	5.44	2.96
tblVehicleTrips	WD_TR	2.60	4.19
tblVehicleTrips	WD_TR	112.18	332.13
tblVehicleTrips	WD_TR	34.80	31.32
tblWater	IndoorWaterUseRate	6,189,632.43	2,609,750.00
tblWater	IndoorWaterUseRate	5,603,246.20	1,635,200.00
tblWater	IndoorWaterUseRate	910,601.14	5,835,620.00
tblWater	IndoorWaterUseRate	18,947,561.17	7,716,100.00
tblWater	OutdoorWaterUseRate	3,902,159.58	102,200.00
tblWater	OutdoorWaterUseRate	3,532,481.30	102,200.00
tblWater	OutdoorWaterUseRate	58,123.48	102,200.00
tblWater	OutdoorWaterUseRate	3,609,059.27	102,200.00
tblWoodstoves	NumberCatalytic	4.75	0.00
tblWoodstoves	NumberCatalytic	4.30	0.00
tblWoodstoves	NumberNoncatalytic	4.75	0.00
tblWoodstoves	NumberNoncatalytic	4.30	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary**2.1 Overall Construction**
Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					

Affinity-Proposed - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2023	0.3958	3.8685	4.1486	0.0108	0.1538	0.1430	0.2968	0.0377	0.1354	0.1730			969.8520	0.1879	0.0371	985.6101
2024	0.8180	6.1389	8.9318	0.0165	0.2640	0.2612	0.5252	0.0703	0.2548	0.3250			1,422.7645	0.1728	7.4000e-003	1,429.2904
2025	1.6754	5.1102	7.8841	0.0146	0.2368	0.2017	0.4385	0.0630	0.1967	0.2597			1,261.8100	0.1489	6.2500e-003	1,267.3945
2026	0.3615	0.0325	0.0565	1.0000e-004	2.3000e-003	1.4500e-003	3.7600e-003	6.1000e-004	1.4500e-003	2.0600e-003			8.8816	4.3000e-004	4.0000e-005	8.9039
Maximum	1.6754	6.1389	8.9318	0.0165	0.2640	0.2612	0.5252	0.0703	0.2548	0.3250			1,422.7645	0.1879	0.0371	1,429.2904

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2023	0.3958	3.8685	4.1486	0.0108	0.1337	0.1430	0.2767	0.0346	0.1354	0.1700			969.8511	0.1879	0.0371	985.6093
2024	0.8180	6.1389	8.9318	0.0165	0.2640	0.2612	0.5252	0.0703	0.2548	0.3250			1,422.7631	0.1728	7.4000e-003	1,429.2889
2025	1.6754	5.1102	7.8841	0.0146	0.2368	0.2017	0.4385	0.0630	0.1967	0.2597			1,261.8088	0.1489	6.2500e-003	1,267.3932
2026	0.3615	0.0325	0.0565	1.0000e-004	2.3000e-003	1.4500e-003	3.7600e-003	6.1000e-004	1.4500e-003	2.0600e-003			8.8816	4.3000e-004	4.0000e-005	8.9039
Maximum	1.6754	6.1389	8.9318	0.0165	0.2640	0.2612	0.5252	0.0703	0.2548	0.3250			1,422.7631	0.1879	0.0371	1,429.2889

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	3.07	0.00	1.59	1.78	0.00	0.40	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
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Affinity-Proposed - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

1	3-13-2023	6-12-2023	0.5603	0.5603
2	6-13-2023	9-12-2023	1.5294	1.5294
3	9-13-2023	12-12-2023	1.7739	1.7739
4	12-13-2023	3-12-2024	1.7528	1.7528
5	3-13-2024	6-12-2024	1.7459	1.7459
6	6-13-2024	9-12-2024	1.7453	1.7453
7	9-13-2024	12-12-2024	1.7287	1.7287
8	12-13-2024	3-12-2025	1.6253	1.6253
9	3-13-2025	6-12-2025	1.6359	1.6359
10	6-13-2025	9-12-2025	1.6353	1.6353
11	9-13-2025	12-12-2025	1.7905	1.7905
12	12-13-2025	3-12-2026	0.8444	0.8444
		Highest	1.7905	1.7905

2.2 Overall Operational**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	1.4410	0.0216	1.8721	1.0000e-004		0.0104	0.0104		0.0104	0.0104			3.0632	2.9600e-003	0.0000	3.1371
Energy	0.0299	0.2661	0.1872	1.6300e-003		0.0207	0.0207		0.0207	0.0207			2,361.5778	5.6700e-003	5.4200e-003	2,363.3357
Mobile	1.6114	0.9065	12.5103	0.0200	2.4583	0.0159	2.4742	0.6532	0.0147	0.6679			1,907.3188	0.1883	0.0871	1,937.9726
Stationary	0.0184	0.0513	0.0468	9.0000e-005		2.7000e-003	2.7000e-003		2.7000e-003	2.7000e-003			8.5146	1.1900e-003	0.0000	8.5445
Waste						0.0000	0.0000		0.0000	0.0000			363.0839	21.4576	0.0000	899.5249

Affinity-Proposed - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Water						0.0000	0.0000		0.0000	0.0000			91.5974	0.5799	0.0137	110.1755
Total	3.1007	1.2454	14.6163	0.0218	2.4583	0.0496	2.5079	0.6532	0.0484	0.7016			4,735.1557	22.2357	0.1062	5,322.6902

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	1.4410	0.0216	1.8721	1.0000e-004		0.0104	0.0104		0.0104	0.0104			3.0632	2.9600e-003	0.0000	3.1371
Energy	0.0299	0.2661	0.1872	1.6300e-003		0.0207	0.0207		0.0207	0.0207			2,361.5778	5.6700e-003	5.4200e-003	2,363.3357
Mobile	1.6114	0.9065	12.5103	0.0200	2.4583	0.0159	2.4742	0.6532	0.0147	0.6679			1,907.3188	0.1883	0.0871	1,937.9726
Stationary	0.0184	0.0513	0.0468	9.0000e-005		2.7000e-003	2.7000e-003		2.7000e-003	2.7000e-003			8.5146	1.1900e-003	0.0000	8.5445
Waste						0.0000	0.0000		0.0000	0.0000			181.5419	10.7288	0.0000	449.7624
Water						0.0000	0.0000		0.0000	0.0000			91.5974	0.5799	0.0137	110.1755
Total	3.1007	1.2454	14.6163	0.0218	2.4583	0.0496	2.5079	0.6532	0.0484	0.7016			4,553.6137	11.5069	0.1062	4,872.9278

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.83	48.25	0.00	8.45

3.0 Construction Detail

Affinity-Proposed - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	3/13/2023	5/27/2023	6	66	
2	Site Preparation	Site Preparation	5/28/2023	6/27/2023	6	26	
3	Grading	Grading	6/28/2023	10/31/2023	6	108	
4	Building Construction	Building Construction	11/1/2023	11/15/2025	6	640	
5	Architectural Coating	Architectural Coating	11/16/2025	1/16/2026	6	53	

Acres of Grading (Site Preparation Phase): 0**Acres of Grading (Grading Phase): 0****Acres of Paving: 0.2****Residential Indoor: 373,361; Residential Outdoor: 124,454; Non-Residential Indoor: 231,000; Non-Residential Outdoor: 77,000; Striped Parking Area:****OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Excavators	1	12.00	158	0.38
Demolition	Off-Highway Trucks	1	12.00	402	0.38
Demolition	Rubber Tired Dozers	0	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	2	12.00	97	0.37
Site Preparation	Excavators	1	12.00	158	0.38
Site Preparation	Graders	0	8.00	187	0.41
Site Preparation	Off-Highway Trucks	1	12.00	402	0.38
Site Preparation	Rubber Tired Dozers	0	7.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	2	12.00	97	0.37
Grading	Bore/Drill Rigs	2	12.00	221	0.50
Grading	Cranes	2	12.00	231	0.29
Grading	Excavators	1	12.00	158	0.38

Affinity-Proposed - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Grading	Generator Sets	1	12.00	84	0.74
Grading	Graders	0	8.00	187	0.41
Grading	Plate Compactors	1	12.00	8	0.43
Grading	Rubber Tired Dozers	0	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	12.00	97	0.37
Building Construction	Air Compressors	2	12.00	78	0.48
Building Construction	Cranes	1	12.00	231	0.29
Building Construction	Excavators	1	12.00	158	0.38
Building Construction	Forklifts	0	6.00	89	0.20
Building Construction	Generator Sets	1	12.00	84	0.74
Building Construction	Pumps	3	12.00	84	0.74
Building Construction	Skid Steer Loaders	2	12.00	65	0.37
Building Construction	Tractors/Loaders/Backhoes	1	12.00	97	0.37
Building Construction	Welders	3	12.00	46	0.45
Architectural Coating	Air Compressors	2	12.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	4	10.00	0.00	600.00	14.70	6.90	5.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	4	10.00	0.00	60.00	14.70	6.90	5.00	LD_Mix	HDT_Mix	HHDT
Grading	9	23.00	0.00	26,400.00	14.70	6.90	5.00	LD_Mix	HDT_Mix	HHDT
Building Construction	14	150.00	6.00	0.00	14.70	6.90	5.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	2	30.00	0.00	0.00	14.70	6.90	5.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Affinity-Proposed - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.2 Demolition - 2023****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0226	0.0000	0.0226	3.4200e-003	0.0000	3.4200e-003			0.0000	0.0000	0.0000	0.0000
Off-Road	0.0493	0.4053	0.5449	1.2200e-003		0.0176	0.0176		0.0162	0.0162			107.0168	0.0346	0.0000	107.8820
Total	0.0493	0.4053	0.5449	1.2200e-003	0.0226	0.0176	0.0402	3.4200e-003	0.0162	0.0197			107.0168	0.0346	0.0000	107.8820

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.9000e-004	0.0145	6.0300e-003	5.0000e-005	1.3000e-003	6.0000e-005	1.3600e-003	3.6000e-004	6.0000e-005	4.2000e-004			4.9502	2.6000e-004	7.9000e-004	5.1907
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Worker	1.0500e-003	8.3000e-004	0.0113	3.0000e-005	3.6200e-003	2.0000e-005	3.6400e-003	9.6000e-004	2.0000e-005	9.8000e-004			2.9145	8.0000e-005	7.0000e-005	2.9387
Total	1.4400e-003	0.0153	0.0173	8.0000e-005	4.9200e-003	8.0000e-005	5.0000e-003	1.3200e-003	8.0000e-005	1.4000e-003			7.8647	3.4000e-004	8.6000e-004	8.1295

Affinity-Proposed - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					8.8100e-003	0.0000	8.8100e-003	1.3300e-003	0.0000	1.3300e-003			0.0000	0.0000	0.0000	0.0000
Off-Road	0.0493	0.4053	0.5449	1.2200e-003		0.0176	0.0176		0.0162	0.0162			107.0166	0.0346	0.0000	107.8819
Total	0.0493	0.4053	0.5449	1.2200e-003	8.8100e-003	0.0176	0.0265	1.3300e-003	0.0162	0.0176			107.0166	0.0346	0.0000	107.8819

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.9000e-004	0.0145	6.0300e-003	5.0000e-005	1.3000e-003	6.0000e-005	1.3600e-003	3.6000e-004	6.0000e-005	4.2000e-004			4.9502	2.6000e-004	7.9000e-004	5.1907
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Worker	1.0500e-003	8.3000e-004	0.0113	3.0000e-005	3.6200e-003	2.0000e-005	3.6400e-003	9.6000e-004	2.0000e-005	9.8000e-004			2.9145	8.0000e-005	7.0000e-005	2.9387
Total	1.4400e-003	0.0153	0.0173	8.0000e-005	4.9200e-003	8.0000e-005	5.0000e-003	1.3200e-003	8.0000e-005	1.4000e-003			7.8647	3.4000e-004	8.6000e-004	8.1295

3.3 Site Preparation - 2023**Unmitigated Construction On-Site**

Affinity-Proposed - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Off-Road	0.0194	0.1597	0.2147	4.8000e-004		6.9500e-003	6.9500e-003		6.3900e-003	6.3900e-003			42.1581	0.0136	0.0000	42.4990
Total	0.0194	0.1597	0.2147	4.8000e-004	0.0000	6.9500e-003	6.9500e-003	0.0000	6.3900e-003	6.3900e-003			42.1581	0.0136	0.0000	42.4990

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.0000e-005	1.4500e-003	6.0000e-004	0.0000	1.3000e-004	1.0000e-005	1.4000e-004	4.0000e-005	1.0000e-005	4.0000e-005			0.4950	3.0000e-005	8.0000e-005	0.5191
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Worker	4.1000e-004	3.3000e-004	4.4400e-003	1.0000e-005	1.4200e-003	1.0000e-005	1.4300e-003	3.8000e-004	1.0000e-005	3.9000e-004			1.1481	3.0000e-005	3.0000e-005	1.1577
Total	4.5000e-004	1.7800e-003	5.0400e-003	1.0000e-005	1.5500e-003	2.0000e-005	1.5700e-003	4.2000e-004	2.0000e-005	4.3000e-004			1.6432	6.0000e-005	1.1000e-004	1.6768

Mitigated Construction On-Site

Affinity-Proposed - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Off-Road	0.0194	0.1597	0.2147	4.8000e-004		6.9500e-003	6.9500e-003		6.3900e-003	6.3900e-003			42.1581	0.0136	0.0000	42.4989
Total	0.0194	0.1597	0.2147	4.8000e-004	0.0000	6.9500e-003	6.9500e-003	0.0000	6.3900e-003	6.3900e-003			42.1581	0.0136	0.0000	42.4989

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.0000e-005	1.4500e-003	6.0000e-004	0.0000	1.3000e-004	1.0000e-005	1.4000e-004	4.0000e-005	1.0000e-005	4.0000e-005			0.4950	3.0000e-005	8.0000e-005	0.5191
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Worker	4.1000e-004	3.3000e-004	4.4400e-003	1.0000e-005	1.4200e-003	1.0000e-005	1.4300e-003	3.8000e-004	1.0000e-005	3.9000e-004			1.1481	3.0000e-005	3.0000e-005	1.1577
Total	4.5000e-004	1.7800e-003	5.0400e-003	1.0000e-005	1.5500e-003	2.0000e-005	1.5700e-003	4.2000e-004	2.0000e-005	4.3000e-004			1.6432	6.0000e-005	1.1000e-004	1.6768

3.4 Grading - 2023**Unmitigated Construction On-Site**

Affinity-Proposed - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0104	0.0000	0.0104	1.5800e-003	0.0000	1.5800e-003			0.0000	0.0000	0.0000	0.0000
Off-Road	0.1596	1.5631	1.5661	3.9600e-003		0.0661	0.0661		0.0617	0.0617			346.0426	0.0986	0.0000	348.5068
Total	0.1596	1.5631	1.5661	3.9600e-003	0.0104	0.0661	0.0765	1.5800e-003	0.0617	0.0633			346.0426	0.0986	0.0000	348.5068

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0171	0.6379	0.2652	2.1900e-003	0.0570	2.8300e-003	0.0598	0.0157	2.7100e-003	0.0184			217.8080	0.0113	0.0346	228.3921
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Worker	3.9400e-003	3.1300e-003	0.0424	1.2000e-004	0.0136	8.0000e-005	0.0137	3.6100e-003	8.0000e-005	3.6900e-003			10.9691	2.9000e-004	2.8000e-004	11.0603
Total	0.0210	0.6410	0.3077	2.3100e-003	0.0706	2.9100e-003	0.0735	0.0193	2.7900e-003	0.0221			228.7771	0.0116	0.0349	239.4524

Mitigated Construction On-Site

Affinity-Proposed - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					4.0600e-003	0.0000	4.0600e-003	6.1000e-004	0.0000	6.1000e-004			0.0000	0.0000	0.0000	0.0000
Off-Road	0.1596	1.5631	1.5661	3.9600e-003		0.0661	0.0661		0.0617	0.0617			346.0421	0.0986	0.0000	348.5063
Total	0.1596	1.5631	1.5661	3.9600e-003	4.0600e-003	0.0661	0.0702	6.1000e-004	0.0617	0.0623			346.0421	0.0986	0.0000	348.5063

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0171	0.6379	0.2652	2.1900e-003	0.0570	2.8300e-003	0.0598	0.0157	2.7100e-003	0.0184			217.8080	0.0113	0.0346	228.3921
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Worker	3.9400e-003	3.1300e-003	0.0424	1.2000e-004	0.0136	8.0000e-005	0.0137	3.6100e-003	8.0000e-005	3.6900e-003			10.9691	2.9000e-004	2.8000e-004	11.0603
Total	0.0210	0.6410	0.3077	2.3100e-003	0.0706	2.9100e-003	0.0735	0.0193	2.7900e-003	0.0221			228.7771	0.0116	0.0349	239.4524

3.5 Building Construction - 2023**Unmitigated Construction On-Site**

Affinity-Proposed - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1320	1.0662	1.3573	2.3400e-003		0.0490	0.0490		0.0479	0.0479			199.0693	0.0281	0.0000	199.7729
Total	0.1320	1.0662	1.3573	2.3400e-003		0.0490	0.0490		0.0479	0.0479			199.0693	0.0281	0.0000	199.7729

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	1.8000e-004	6.2900e-003	2.3500e-003	3.0000e-005	9.8000e-004	3.0000e-005	1.0100e-003	2.8000e-004	3.0000e-005	3.1000e-004			2.8364	9.0000e-005	4.1000e-004	2.9604
Worker	0.0124	9.8300e-003	0.1332	3.7000e-004	0.0427	2.6000e-004	0.0430	0.0114	2.4000e-004	0.0116			34.4439	9.0000e-004	8.9000e-004	34.7304
Total	0.0126	0.0161	0.1356	4.0000e-004	0.0437	2.9000e-004	0.0440	0.0116	2.7000e-004	0.0119			37.2803	9.9000e-004	1.3000e-003	37.6908

Mitigated Construction On-Site

Affinity-Proposed - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1320	1.0662	1.3573	2.3400e-003		0.0490	0.0490		0.0479	0.0479			199.0691	0.0281	0.0000	199.7726
Total	0.1320	1.0662	1.3573	2.3400e-003		0.0490	0.0490		0.0479	0.0479			199.0691	0.0281	0.0000	199.7726

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	1.8000e-004	6.2900e-003	2.3500e-003	3.0000e-005	9.8000e-004	3.0000e-005	1.0100e-003	2.8000e-004	3.0000e-005	3.1000e-004			2.8364	9.0000e-005	4.1000e-004	2.9604
Worker	0.0124	9.8300e-003	0.1332	3.7000e-004	0.0427	2.6000e-004	0.0430	0.0114	2.4000e-004	0.0116			34.4439	9.0000e-004	8.9000e-004	34.7304
Total	0.0126	0.0161	0.1356	4.0000e-004	0.0437	2.9000e-004	0.0440	0.0116	2.7000e-004	0.0119			37.2803	9.9000e-004	1.3000e-003	37.6908

3.5 Building Construction - 2024**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Affinity-Proposed - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Category	tons/yr										MT/yr					
Off-Road	0.7472	6.0478	8.1685	0.0142		0.2595	0.2595		0.2532	0.2532			1,202.1793	0.1673	0.0000	1,206.3618
Total	0.7472	6.0478	8.1685	0.0142		0.2595	0.2595		0.2532	0.2532			1,202.1793	0.1673	0.0000	1,206.3618

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	1.0300e-003	0.0380	0.0139	1.7000e-004	5.9400e-003	1.8000e-004	6.1200e-003	1.7100e-003	1.8000e-004	1.8900e-003			16.8707	5.7000e-004	2.4300e-003	17.6093
Worker	0.0698	0.0530	0.7494	2.1800e-003	0.2581	1.5200e-003	0.2596	0.0685	1.4000e-003	0.0699			203.7146	4.9500e-003	4.9700e-003	205.3193
Total	0.0708	0.0910	0.7633	2.3500e-003	0.2640	1.7000e-003	0.2657	0.0703	1.5800e-003	0.0718			220.5853	5.5200e-003	7.4000e-003	222.9286

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Affinity-Proposed - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Off-Road	0.7472	6.0478	8.1685	0.0142		0.2595	0.2595		0.2532	0.2532			1,202.1779	0.1673	0.0000	1,206.3603
Total	0.7472	6.0478	8.1685	0.0142		0.2595	0.2595		0.2532	0.2532			1,202.1779	0.1673	0.0000	1,206.3603

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	1.0300e-003	0.0380	0.0139	1.7000e-004	5.9400e-003	1.8000e-004	6.1200e-003	1.7100e-003	1.8000e-004	1.8900e-003			16.8707	5.7000e-004	2.4300e-003	17.6093
Worker	0.0698	0.0530	0.7494	2.1800e-003	0.2581	1.5200e-003	0.2596	0.0685	1.4000e-003	0.0699			203.7146	4.9500e-003	4.9700e-003	205.3193
Total	0.0708	0.0910	0.7633	2.3500e-003	0.2640	1.7000e-003	0.2657	0.0703	1.5800e-003	0.0718			220.5853	5.5200e-003	7.4000e-003	222.9286

3.5 Building Construction - 2025**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.6104	4.9451	7.1039	0.0124		0.1962	0.1962		0.1913	0.1913			1,049.0720	0.1433	0.0000	1,052.6545

Affinity-Proposed - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Total	0.6104	4.9451	7.1039	0.0124		0.1962	0.1962		0.1913	0.1913			1,049.0720	0.1433	0.0000	1,052.6545
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Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	8.7000e-004	0.0330	0.0119	1.5000e-004	5.1800e-003	1.6000e-004	5.3400e-003	1.5000e-003	1.5000e-004	1.6500e-003			14.4567	5.1000e-004	2.0800e-003	15.0903
Worker	0.0570	0.0415	0.6098	1.8300e-003	0.2252	1.2700e-003	0.2265	0.0598	1.1700e-003	0.0610			173.4290	3.9000e-003	4.0500e-003	174.7330
Total	0.0579	0.0746	0.6217	1.9800e-003	0.2304	1.4300e-003	0.2318	0.0613	1.3200e-003	0.0626			187.8857	4.4100e-003	6.1300e-003	189.8233

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.6104	4.9451	7.1039	0.0124		0.1962	0.1962		0.1913	0.1913			1,049.0707	0.1433	0.0000	1,052.6532
Total	0.6104	4.9451	7.1039	0.0124		0.1962	0.1962		0.1913	0.1913			1,049.0707	0.1433	0.0000	1,052.6532

Affinity-Proposed - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	8.7000e-004	0.0330	0.0119	1.5000e-004	5.1800e-003	1.6000e-004	5.3400e-003	1.5000e-003	1.5000e-004	1.6500e-003			14.4567	5.1000e-004	2.0800e-003	15.0903
Worker	0.0570	0.0415	0.6098	1.8300e-003	0.2252	1.2700e-003	0.2265	0.0598	1.1700e-003	0.0610			173.4290	3.9000e-003	4.0500e-003	174.7330
Total	0.0579	0.0746	0.6217	1.9800e-003	0.2304	1.4300e-003	0.2318	0.0613	1.3200e-003	0.0626			187.8857	4.4100e-003	6.1300e-003	189.8233

3.6 Architectural Coating - 2025**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.9922					0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Off-Road	0.0133	0.0894	0.1411	2.3000e-004		4.0200e-003	4.0200e-003		4.0200e-003	4.0200e-003			19.9154	1.0900e-003	0.0000	19.9425
Total	1.0055	0.0894	0.1411	2.3000e-004		4.0200e-003	4.0200e-003		4.0200e-003	4.0200e-003			19.9154	1.0900e-003	0.0000	19.9425

Affinity-Proposed - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Worker	1.6200e-003	1.1800e-003	0.0174	5.0000e-005	6.4100e-003	4.0000e-005	6.4500e-003	1.7000e-003	3.0000e-005	1.7400e-003			4.9370	1.1000e-004	1.2000e-004	4.9742
Total	1.6200e-003	1.1800e-003	0.0174	5.0000e-005	6.4100e-003	4.0000e-005	6.4500e-003	1.7000e-003	3.0000e-005	1.7400e-003			4.9370	1.1000e-004	1.2000e-004	4.9742

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.9922					0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Off-Road	0.0133	0.0894	0.1411	2.3000e-004		4.0200e-003	4.0200e-003		4.0200e-003	4.0200e-003			19.9154	1.0900e-003	0.0000	19.9425
Total	1.0055	0.0894	0.1411	2.3000e-004		4.0200e-003	4.0200e-003		4.0200e-003	4.0200e-003			19.9154	1.0900e-003	0.0000	19.9425

Affinity-Proposed - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Worker	1.6200e-003	1.1800e-003	0.0174	5.0000e-005	6.4100e-003	4.0000e-005	6.4500e-003	1.7000e-003	3.0000e-005	1.7400e-003			4.9370	1.1000e-004	1.2000e-004	4.9742
Total	1.6200e-003	1.1800e-003	0.0174	5.0000e-005	6.4100e-003	4.0000e-005	6.4500e-003	1.7000e-003	3.0000e-005	1.7400e-003			4.9370	1.1000e-004	1.2000e-004	4.9742

3.6 Architectural Coating - 2026**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.3562					0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Off-Road	4.7800e-003	0.0321	0.0507	8.0000e-005		1.4400e-003	1.4400e-003		1.4400e-003	1.4400e-003			7.1491	3.9000e-004	0.0000	7.1589
Total	0.3610	0.0321	0.0507	8.0000e-005		1.4400e-003	1.4400e-003		1.4400e-003	1.4400e-003			7.1491	3.9000e-004	0.0000	7.1589

Affinity-Proposed - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Worker	5.5000e-004	3.9000e-004	5.8600e-003	2.0000e-005	2.3000e-003	1.0000e-005	2.3100e-003	6.1000e-004	1.0000e-005	6.2000e-004			1.7325	4.0000e-005	4.0000e-005	1.7450
Total	5.5000e-004	3.9000e-004	5.8600e-003	2.0000e-005	2.3000e-003	1.0000e-005	2.3100e-003	6.1000e-004	1.0000e-005	6.2000e-004			1.7325	4.0000e-005	4.0000e-005	1.7450

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.3562					0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Off-Road	4.7800e-003	0.0321	0.0507	8.0000e-005		1.4400e-003	1.4400e-003		1.4400e-003	1.4400e-003			7.1491	3.9000e-004	0.0000	7.1589
Total	0.3610	0.0321	0.0507	8.0000e-005		1.4400e-003	1.4400e-003		1.4400e-003	1.4400e-003			7.1491	3.9000e-004	0.0000	7.1589

Affinity-Proposed - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Worker	5.5000e-004	3.9000e-004	5.8600e-003	2.0000e-005	2.3000e-003	1.0000e-005	2.3100e-003	6.1000e-004	1.0000e-005	6.2000e-004			1.7325	4.0000e-005	4.0000e-005	1.7450
Total	5.5000e-004	3.9000e-004	5.8600e-003	2.0000e-005	2.3000e-003	1.0000e-005	2.3100e-003	6.1000e-004	1.0000e-005	6.2000e-004			1.7325	4.0000e-005	4.0000e-005	1.7450

4.0 Operational Detail - Mobile**4.1 Mitigation Measures Mobile**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Affinity-Proposed - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Mitigated	1.6114	0.9065	12.5103	0.0200	2.4583	0.0159	2.4742	0.6532	0.0147	0.6679			1,907.3188	0.1883	0.0871	1,937.9726
Unmitigated	1.6114	0.9065	12.5103	0.0200	2.4583	0.0159	2.4742	0.6532	0.0147	0.6679			1,907.3188	0.1883	0.0871	1,937.9726

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated		Mitigated	
	Weekday	Saturday	Sunday	Annual VMT		Annual VMT	
Apartments Mid Rise	281.20	253.65	211.85	334,774		334,774	
Congregate Care (Assisted Living)	360.34	405.92	436.88	473,048		473,048	
Enclosed Parking with Elevator	0.00	0.00	0.00				
High Turnover (Sit Down Restaurant)	996.39	1,087.17	1266.93	1,312,273		1,312,273	
Medical Office Building	4,729.32	1,164.21	193.28	4,472,732		4,472,732	
Total	6,367.25	2,910.95	2,108.94	6,592,826		6,592,826	

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	3.44	3.44	3.44	40.20	19.20	40.60	100	0	0
Congregate Care (Assisted Living)	3.44	3.44	3.44	40.20	19.20	40.60	100	0	0
Enclosed Parking with Elevator	3.44	3.44	3.44	0.00	0.00	0.00	0	0	0
High Turnover (Sit Down Restaurant)	3.44	3.44	3.44	8.50	72.50	19.00	100	0	0
Medical Office Building	3.44	3.44	3.44	29.60	51.40	19.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.733946	0.080432	0.080432	0.070378	0.000905	0.000905	0.000905	0.000905	0.000938	0.000594	0.025612	0.000712	0.003336
Congregate Care (Assisted Living)	0.733946	0.080432	0.080432	0.070378	0.000905	0.000905	0.000905	0.000905	0.000938	0.000594	0.025612	0.000712	0.003336
Enclosed Parking with Elevator	0.733946	0.080432	0.080432	0.070378	0.000905	0.000905	0.000905	0.000905	0.000938	0.000594	0.025612	0.000712	0.003336
High Turnover (Sit Down Restaurant)	0.733946	0.080432	0.080432	0.070378	0.000905	0.000905	0.000905	0.000905	0.000938	0.000594	0.025612	0.000712	0.003336
Medical Office Building	0.733946	0.080432	0.080432	0.070378	0.000905	0.000905	0.000905	0.000905	0.000938	0.000594	0.025612	0.000712	0.003336

Affinity-Proposed - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000			2,065.7574	0.0000	0.0000	2,065.7574
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000			2,065.7574	0.0000	0.0000	2,065.7574
NaturalGas Mitigated	0.0299	0.2661	0.1872	1.6300e-003		0.0207	0.0207		0.0207	0.0207			295.8204	5.6700e-003	5.4200e-003	297.5783
NaturalGas Unmitigated	0.0299	0.2661	0.1872	1.6300e-003		0.0207	0.0207		0.0207	0.0207			295.8204	5.6700e-003	5.4200e-003	297.5783

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	952480	5.1400e-003	0.0439	0.0187	2.8000e-004		3.5500e-003	3.5500e-003		3.5500e-003	3.5500e-003			50.8279	9.7000e-004	9.3000e-004	51.1300

Affinity-Proposed - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Congregate Care (Assisted Living)	952476	5.1400e-003	0.0439	0.0187	2.8000e-004		3.5500e-003	3.5500e-003		3.5500e-003	3.5500e-003			50.8277	9.7000e-004	9.3000e-004	51.1298
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
High Turnover (Sit Down Restaurant)	2.0817e+06	0.0112	0.1020	0.0857	6.1000e-004		7.7600e-003	7.7600e-003		7.7600e-003	7.7600e-003			111.0874	2.1300e-003	2.0400e-003	111.7476
Medical Office Building	1.55681e+006	8.3900e-003	0.0763	0.0641	4.6000e-004		5.8000e-003	5.8000e-003		5.8000e-003	5.8000e-003			83.0773	1.5900e-003	1.5200e-003	83.5710
Total		0.0299	0.2661	0.1872	1.6300e-003		0.0207	0.0207		0.0207	0.0207			295.8204	5.6600e-003	5.4200e-003	297.5783

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	952480	5.1400e-003	0.0439	0.0187	2.8000e-004		3.5500e-003	3.5500e-003		3.5500e-003	3.5500e-003			50.8279	9.7000e-004	9.3000e-004	51.1300
Congregate Care (Assisted Living)	952476	5.1400e-003	0.0439	0.0187	2.8000e-004		3.5500e-003	3.5500e-003		3.5500e-003	3.5500e-003			50.8277	9.7000e-004	9.3000e-004	51.1298
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
High Turnover (Sit Down Restaurant)	2.0817e+06	0.0112	0.1020	0.0857	6.1000e-004		7.7600e-003	7.7600e-003		7.7600e-003	7.7600e-003			111.0874	2.1300e-003	2.0400e-003	111.7476
Medical Office Building	1.55681e+006	8.3900e-003	0.0763	0.0641	4.6000e-004		5.8000e-003	5.8000e-003		5.8000e-003	5.8000e-003			83.0773	1.5900e-003	1.5200e-003	83.5710
Total		0.0299	0.2661	0.1872	1.6300e-003		0.0207	0.0207		0.0207	0.0207			295.8204	5.6600e-003	5.4200e-003	297.5783

5.3 Energy by Land Use - Electricity**Unmitigated**

Affinity-Proposed - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	419906	152.7538	0.0000	0.0000	152.7538
Congregate Care (Assisted Living)	419904	152.7533	0.0000	0.0000	152.7533
Enclosed Parking with Elevator	2.25794e+006	821.3968	0.0000	0.0000	821.3968
High Turnover (Sit Down Restaurant)	513630	186.8489	0.0000	0.0000	186.8489
Medical Office Building	2.06719e+006	752.0046	0.0000	0.0000	752.0046
Total		2,065.7574	0.0000	0.0000	2,065.7574

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	419906	152.7538	0.0000	0.0000	152.7538
Congregate Care (Assisted Living)	419904	152.7533	0.0000	0.0000	152.7533
Enclosed Parking with Elevator	2.25794e+006	821.3968	0.0000	0.0000	821.3968
High Turnover (Sit Down Restaurant)	513630	186.8489	0.0000	0.0000	186.8489

Affinity-Proposed - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Medical Office Building	2.06719e+006	752.0046	0.0000	0.0000	752.0046
Total		2,065.7574	0.0000	0.0000	2,065.7574

6.0 Area Detail**6.1 Mitigation Measures Area**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	1.4410	0.0216	1.8721	1.0000e-004		0.0104	0.0104		0.0104	0.0104			3.0632	2.9600e-003	0.0000	3.1371
Unmitigated	1.4410	0.0216	1.8721	1.0000e-004		0.0104	0.0104		0.0104	0.0104			3.0632	2.9600e-003	0.0000	3.1371

6.2 Area by SubCategory**Unmitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.1348					0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000

Affinity-Proposed - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Consumer Products	1.2496					0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Landscaping	0.0567	0.0216	1.8721	1.0000e-004		0.0104	0.0104		0.0104	0.0104			3.0632	2.9600e-003	0.0000	3.1371
Total	1.4410	0.0216	1.8721	1.0000e-004		0.0104	0.0104		0.0104	0.0104			3.0632	2.9600e-003	0.0000	3.1371

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.1348					0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Consumer Products	1.2496					0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Landscaping	0.0567	0.0216	1.8721	1.0000e-004		0.0104	0.0104		0.0104	0.0104			3.0632	2.9600e-003	0.0000	3.1371
Total	1.4410	0.0216	1.8721	1.0000e-004		0.0104	0.0104		0.0104	0.0104			3.0632	2.9600e-003	0.0000	3.1371

7.0 Water Detail**7.1 Mitigation Measures Water**

Affinity-Proposed - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	91.5974	0.5799	0.0137	110.1755
Unmitigated	91.5974	0.5799	0.0137	110.1755

7.2 Water by Land Use**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	2.60975 / 0.1022	13.6029	0.0850	2.0100e-003	16.3272
Congregate Care (Assisted Living)	1.6352 / 0.1022	8.6774	0.0533	1.2600e-003	10.3844
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
High Turnover (Sit Down Restaurant)	5.83562 / 0.1022	29.9066	0.1902	4.4900e-003	35.9984
Medical Office Building	7.7161 / 0.1022	39.4106	0.2514	5.9400e-003	47.4655
Total		91.5974	0.5799	0.0137	110.1755

Affinity-Proposed - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**Mitigated**

Indoor/Outdoor Use		Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	2.60975 / 0.1022	13.6029	0.0850	2.0100e-003	16.3272
Congregate Care (Assisted Living)	1.6352 / 0.1022	8.6774	0.0533	1.2600e-003	10.3844
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
High Turnover (Sit Down Restaurant)	5.83562 / 0.1022	29.9066	0.1902	4.4900e-003	35.9984
Medical Office Building	7.7161 / 0.1022	39.4106	0.2514	5.9400e-003	47.4655
Total		91.5974	0.5799	0.0137	110.1755

8.0 Waste Detail**8.1 Mitigation Measures Waste**

Institute Recycling and Composting Services

Category/Year

	Total CO2	CH4	N2O	CO2e

Affinity-Proposed - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	MT/yr			
Mitigated	181.5419	10.7288	0.0000	449.7624
Unmitigated	363.0839	21.4576	0.0000	899.5249

8.2 Waste by Land Use**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	43.7	8.8707	0.5242	0.0000	21.9768
Congregate Care (Assisted Living)	78.47	15.9287	0.9414	0.0000	39.4627
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
High Turnover (Sit Down Restaurant)	35.7	7.2468	0.4283	0.0000	17.9536
Medical Office Building	1630.8	331.0377	19.5638	0.0000	820.1318
Total		363.0839	21.4576	0.0000	899.5249

Mitigated

Affinity-Proposed - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	21.85	4.4354	0.2621	0.0000	10.9884
Congregate Care (Assisted Living)	39.235	7.9644	0.4707	0.0000	19.7313
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
High Turnover (Sit Down Restaurant)	17.85	3.6234	0.2141	0.0000	8.9768
Medical Office Building	815.4	165.5188	9.7819	0.0000	410.0659
Total		181.5419	10.7288	0.0000	449.7624

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
----------------	--------	-----------	-----------	-------------	-------------	-----------

10.0 Stationary Equipment**Fire Pumps and Emergency Generators**

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	2	1	52	215	0.73	Diesel

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
----------------	--------	----------------	-----------------	---------------	-----------

User Defined Equipment

Equipment Type	Number
----------------	--------

Affinity-Proposed - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**10.1 Stationary Sources****Unmitigated/Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	tons/yr										MT/yr					
Emergency Generator - Diesel	0.0184	0.0513	0.0468	9.0000e-005		2.7000e-003	2.7000e-003		2.7000e-003	2.7000e-003			8.5146	1.1900e-003	0.0000	8.5445
Total	0.0184	0.0513	0.0468	9.0000e-005		2.7000e-003	2.7000e-003		2.7000e-003	2.7000e-003			8.5146	1.1900e-003	0.0000	8.5445

11.0 Vegetation

Affinity-Exchange Project - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**Affinity-Exchange Project
Los Angeles-South Coast County, Winter****1.0 Project Characteristics****1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	415.06	1000sqft	0.20	415,063.00	0
High Turnover (Sit Down Restaurant)	3.00	1000sqft	0.02	3,000.00	0
Apartments Mid Rise	93.00	Dwelling Unit	0.45	93,000.00	109
Condo/Townhouse High Rise	197.00	Dwelling Unit	0.88	197,000.00	493
Congregate Care (Assisted Living)	86.00	Dwelling Unit	0.45	85,800.00	113

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	9			Operational Year	2026
Utility Company	Pasadena Water and Power				
CO2 Intensity (lb/MW hr)	802	CH4 Intensity (lb/MW hr)	0	N2O Intensity (lb/MW hr)	0

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CO2 Intensity Factor for 2026, per 2020 Power Content Label and what is legally required
<https://ww5.cityofpasadena.net/water-and-power/wp-content/uploads/sites/54/2021/08/2020-Power-Content-Label-for-Website.pdf>

Land Use - Data from project description
 Lot acreage estimates

Construction Phase - Project schedule per client

Off-road Equipment - 2 buildings

Off-road Equipment - Const equipment by client - 2 buildings

Off-road Equipment - Const equipment by client

Off-road Equipment - Const equipment by client

Affinity-Exchange Project - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Off-road Equipment - Const equipment by client

Trips and VMT - Haul trips and distance per client

Demolition -

Grading - .

Vehicle Trips - Trip rates per TIA and to account for increased trips from converted use (in high-turnover land use). Apt Mid rise is trip generation rate for sr adult housing (independent living). VMT per Pasadena DOT traffic study.

Woodstoves - No fireplaces

Energy Use - Provided by Applicant. High Turnover also includes electrical and NG consumption for converted uses

Water And Wastewater - Water use per City Will Serve letter. High turnover land use includes water for converted uses

Construction Off-road Equipment Mitigation -

Energy Mitigation -

Waste Mitigation -

Fleet Mix - .

Stationary Sources - Emergency Generators and Fire Pumps - 2 -200 KVA emerg generators

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	66.00
tblConstructionPhase	NumDays	2.00	26.00
tblConstructionPhase	NumDays	4.00	108.00
tblConstructionPhase	NumDays	200.00	640.00
tblConstructionPhase	NumDays	10.00	53.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblEnergyUse	LightingElect	741.44	869.67
tblEnergyUse	LightingElect	1,001.10	1,320.98
tblEnergyUse	LightingElect	741.44	940.46
tblEnergyUse	LightingElect	7.87	92.17
tblEnergyUse	NT24E	3,054.10	3,582.31

Affinity-Exchange Project - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblEnergyUse	NT24E	3,054.10	4,029.96
tblEnergyUse	NT24E	3,054.10	3,873.90
tblEnergyUse	NT24E	28.16	329.80
tblEnergyUse	NT24NG	6,384.00	5,003.90
tblEnergyUse	NT24NG	6,384.00	5,155.90
tblEnergyUse	NT24NG	6,384.00	5,411.10
tblEnergyUse	NT24NG	187.78	139.60
tblEnergyUse	T24E	53.81	63.12
tblEnergyUse	T24E	53.81	71.00
tblEnergyUse	T24E	53.81	68.25
tblEnergyUse	T24E	7.24	28.65
tblEnergyUse	T24NG	6,682.59	5,237.90
tblEnergyUse	T24NG	6,682.59	5,397.00
tblEnergyUse	T24NG	6,682.59	5,664.20
tblEnergyUse	T24NG	42.55	31.60
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	79.05	0.00
tblFireplaces	NumberGas	167.45	0.00
tblFireplaces	NumberGas	73.10	0.00
tblFireplaces	NumberNoFireplace	9.30	0.00
tblFireplaces	NumberNoFireplace	19.70	0.00
tblFireplaces	NumberNoFireplace	8.60	0.00
tblFireplaces	NumberWood	4.65	0.00
tblFireplaces	NumberWood	9.85	0.00
tblFireplaces	NumberWood	4.30	0.00

Affinity-Exchange Project - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblFleetMix	HHD	8.0840e-003	9.0486e-004
tblFleetMix	HHD	8.0840e-003	9.0486e-004
tblFleetMix	HHD	8.0840e-003	9.0486e-004
tblFleetMix	HHD	8.0840e-003	9.0486e-004
tblFleetMix	HHD	8.0840e-003	9.0486e-004
tblFleetMix	LDA	0.54	0.73
tblFleetMix	LDA	0.54	0.73
tblFleetMix	LDA	0.54	0.73
tblFleetMix	LDA	0.54	0.73
tblFleetMix	LDA	0.54	0.73
tblFleetMix	LDT1	0.07	0.08
tblFleetMix	LDT1	0.07	0.08
tblFleetMix	LDT1	0.07	0.08
tblFleetMix	LDT1	0.07	0.08
tblFleetMix	LDT1	0.07	0.08
tblFleetMix	LDT2	0.19	0.08
tblFleetMix	LDT2	0.19	0.08
tblFleetMix	LDT2	0.19	0.08
tblFleetMix	LDT2	0.19	0.08
tblFleetMix	LDT2	0.19	0.08
tblFleetMix	LHD1	0.02	9.0486e-004
tblFleetMix	LHD1	0.02	9.0486e-004
tblFleetMix	LHD1	0.02	9.0486e-004
tblFleetMix	LHD1	0.02	9.0486e-004
tblFleetMix	LHD1	0.02	9.0486e-004
tblFleetMix	LHD2	6.5180e-003	9.0486e-004
tblFleetMix	LHD2	6.5180e-003	9.0486e-004
tblFleetMix	LHD2	6.5180e-003	9.0486e-004
tblFleetMix	LHD2	6.5180e-003	9.0486e-004
tblFleetMix	LHD2	6.5180e-003	9.0486e-004

Affinity-Exchange Project - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblFleetMix	MCY	0.03	0.03
tblFleetMix	MCY	0.03	0.03
tblFleetMix	MCY	0.03	0.03
tblFleetMix	MCY	0.03	0.03
tblFleetMix	MCY	0.03	0.03
tblFleetMix	MDV	0.13	0.07
tblFleetMix	MDV	0.13	0.07
tblFleetMix	MDV	0.13	0.07
tblFleetMix	MDV	0.13	0.07
tblFleetMix	MDV	0.13	0.07
tblFleetMix	MH	3.3180e-003	3.3359e-003
tblFleetMix	MH	3.3180e-003	3.3359e-003
tblFleetMix	MH	3.3180e-003	3.3359e-003
tblFleetMix	MH	3.3180e-003	3.3359e-003
tblFleetMix	MH	3.3180e-003	3.3359e-003
tblFleetMix	MHD	0.01	9.0486e-004
tblFleetMix	MHD	0.01	9.0486e-004
tblFleetMix	MHD	0.01	9.0486e-004
tblFleetMix	MHD	0.01	9.0486e-004
tblFleetMix	MHD	0.01	9.0486e-004
tblFleetMix	OBUS	9.3300e-004	9.3804e-004
tblFleetMix	OBUS	9.3300e-004	9.3804e-004
tblFleetMix	OBUS	9.3300e-004	9.3804e-004
tblFleetMix	OBUS	9.3300e-004	9.3804e-004
tblFleetMix	OBUS	9.3300e-004	9.3804e-004
tblFleetMix	SBUS	7.0800e-004	7.1183e-004
tblFleetMix	SBUS	7.0800e-004	7.1183e-004
tblFleetMix	SBUS	7.0800e-004	7.1183e-004
tblFleetMix	SBUS	7.0800e-004	7.1183e-004
tblFleetMix	SBUS	7.0800e-004	7.1183e-004

Affinity-Exchange Project - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblFleetMix	UBUS	5.9100e-004	5.9419e-004
tblFleetMix	UBUS	5.9100e-004	5.9419e-004
tblFleetMix	UBUS	5.9100e-004	5.9419e-004
tblFleetMix	UBUS	5.9100e-004	5.9419e-004
tblFleetMix	UBUS	5.9100e-004	5.9419e-004
tblGrading	MaterialExported	0.00	147,211.00
tblGrading	MaterialExported	0.00	480.00
tblLandUse	LandUseSquareFeet	415,060.00	415,063.00
tblLandUse	LandUseSquareFeet	86,000.00	85,800.00
tblLandUse	LotAcreage	9.53	0.20
tblLandUse	LotAcreage	0.07	0.02
tblLandUse	LotAcreage	2.45	0.45
tblLandUse	LotAcreage	3.08	0.88
tblLandUse	LotAcreage	5.38	0.45
tblLandUse	Population	266.00	109.00
tblLandUse	Population	563.00	493.00
tblLandUse	Population	246.00	113.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	UsageHours	6.00	12.00
tblOffRoadEquipment	UsageHours	6.00	12.00
tblOffRoadEquipment	UsageHours	8.00	12.00

Affinity-Exchange Project - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblOffRoadEquipment	UsageHours	6.00	12.00
tblOffRoadEquipment	UsageHours	8.00	12.00
tblOffRoadEquipment	UsageHours	7.00	12.00
tblOffRoadEquipment	UsageHours	8.00	12.00
tblOffRoadEquipment	UsageHours	8.00	12.00
tblProjectCharacteristics	CH4IntensityFactor	0.033	0
tblProjectCharacteristics	CO2IntensityFactor	872.98	802
tblProjectCharacteristics	N2OIntensityFactor	0.004	0
tblStationaryGeneratorsPumpsUse	HorsePowerValue	0.00	215.00
tblStationaryGeneratorsPumpsUse	HoursPerDay	0.00	1.00
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	52.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	2.00
tblTripsAndVMT	HaulingTripLength	20.00	5.00
tblTripsAndVMT	HaulingTripLength	20.00	5.00
tblTripsAndVMT	HaulingTripLength	20.00	5.00
tblTripsAndVMT	HaulingTripLength	20.00	5.00
tblTripsAndVMT	HaulingTripLength	20.00	5.00
tblTripsAndVMT	HaulingTripNumber	209.00	300.00
tblTripsAndVMT	HaulingTripNumber	18,401.00	21,030.00
tblTripsAndVMT	VendorTripNumber	109.00	6.00
tblTripsAndVMT	WorkerTripNumber	10.00	13.00
tblTripsAndVMT	WorkerTripNumber	10.00	8.00
tblTripsAndVMT	WorkerTripNumber	23.00	10.00
tblTripsAndVMT	WorkerTripNumber	446.00	150.00
tblTripsAndVMT	WorkerTripNumber	89.00	30.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	2.95
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	2.95
tblVehicleTrips	CW_TL	16.60	0.00

Affinity-Exchange Project - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblVehicleTrips	CW_TL	16.60	2.95
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	DV_TP	20.00	0.00
tblVehicleTrips	HO_TL	8.70	2.95
tblVehicleTrips	HO_TL	8.70	2.95
tblVehicleTrips	HO_TL	8.70	2.95
tblVehicleTrips	HS_TL	5.90	2.95
tblVehicleTrips	HS_TL	5.90	2.95
tblVehicleTrips	HS_TL	5.90	2.95
tblVehicleTrips	HW_TL	14.70	2.95
tblVehicleTrips	HW_TL	14.70	2.95
tblVehicleTrips	HW_TL	14.70	2.95
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	43.00	0.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	PR_TP	37.00	100.00
tblVehicleTrips	ST_TR	4.91	2.67
tblVehicleTrips	ST_TR	4.91	3.93
tblVehicleTrips	ST_TR	2.93	4.72
tblVehicleTrips	ST_TR	122.40	362.39
tblVehicleTrips	SU_TR	4.09	2.23
tblVehicleTrips	SU_TR	4.09	3.27
tblVehicleTrips	SU_TR	3.15	5.08
tblVehicleTrips	SU_TR	142.64	422.31

Affinity-Exchange Project - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblVehicleTrips	WD_TR	5.44	2.96
tblVehicleTrips	WD_TR	5.44	4.35
tblVehicleTrips	WD_TR	2.60	4.19
tblVehicleTrips	WD_TR	112.18	332.13
tblWater	IndoorWaterUseRate	6,059,324.38	2,122,475.00
tblWater	IndoorWaterUseRate	12,835,343.05	7,555,500.00
tblWater	IndoorWaterUseRate	5,603,246.20	2,122,475.00
tblWater	IndoorWaterUseRate	910,601.14	5,835,620.00
tblWater	OutdoorWaterUseRate	3,820,008.85	102,200.00
tblWater	OutdoorWaterUseRate	8,091,846.70	102,200.00
tblWater	OutdoorWaterUseRate	3,532,481.30	102,200.00
tblWater	OutdoorWaterUseRate	0.00	102,200.00
tblWater	OutdoorWaterUseRate	58,123.48	102,200.00
tblWoodstoves	NumberCatalytic	4.65	0.00
tblWoodstoves	NumberCatalytic	9.85	0.00
tblWoodstoves	NumberCatalytic	4.30	0.00
tblWoodstoves	NumberNoncatalytic	4.65	0.00
tblWoodstoves	NumberNoncatalytic	9.85	0.00
tblWoodstoves	NumberNoncatalytic	4.30	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary**2.1 Overall Construction (Maximum Daily Emission)****Unmitigated Construction**

Affinity-Exchange Project - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	5.6008	41.6204	57.2926	0.1067	1.7151	1.8960	3.6111	0.4557	1.8509	2.3066			10,709.1704	2.1974	0.5658	10,932.7143
2024	5.2482	39.0931	56.7733	0.1049	1.7151	1.6638	3.3789	0.4557	1.6229	2.0786			9,968.4887	1.2134	0.0515	10,014.1572
2025	47.8441	36.6325	56.2832	0.1044	1.7151	1.4425	3.1576	0.4557	1.4061	1.8618			9,932.3327	1.1884	0.0489	9,976.6104
2026	47.8390	4.6359	8.0527	0.0145	0.3353	0.2078	0.5431	0.0889	0.2076	0.2966			1,394.6233	0.0671	6.0500e-003	1,398.1036
Maximum	47.8441	41.6204	57.2926	0.1067	1.7151	1.8960	3.6111	0.4557	1.8509	2.3066			10,709.1704	2.1974	0.5658	10,932.7143

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	5.6008	41.6204	57.2926	0.1067	1.7151	1.8960	3.6111	0.4557	1.8509	2.3066			10,709.1704	2.1974	0.5658	10,932.7143
2024	5.2482	39.0931	56.7733	0.1049	1.7151	1.6638	3.3789	0.4557	1.6229	2.0786			9,968.4887	1.2134	0.0515	10,014.1572
2025	47.8441	36.6325	56.2832	0.1044	1.7151	1.4425	3.1576	0.4557	1.4061	1.8618			9,932.3327	1.1884	0.0489	9,976.6104
2026	47.8390	4.6359	8.0527	0.0145	0.3353	0.2078	0.5431	0.0889	0.2076	0.2966			1,394.6233	0.0671	6.0500e-003	1,398.1036
Maximum	47.8441	41.6204	57.2926	0.1067	1.7151	1.8960	3.6111	0.4557	1.8509	2.3066			10,709.1704	2.1974	0.5658	10,932.7143

Affinity-Exchange Project - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	9.2652	0.3574	31.0337	1.6400e-003		0.1721	0.1721		0.1721	0.1721			55.9472	0.0537	0.0000	57.2903
Energy	0.1329	1.1438	0.5439	7.2500e-003		0.0918	0.0918		0.0918	0.0918			1,449.6324	0.0278	0.0266	1,458.2468
Mobile	4.6626	2.4389	33.6822	0.0505	6.3642	0.0419	6.4060	1.6885	0.0387	1.7272			5,318.1208	0.5729	0.2634	5,410.9482
Stationary	0.7057	1.9723	1.7993	3.3900e-003		0.1038	0.1038		0.1038	0.1038			360.9911	0.0506		362.2564
Total	14.7663	5.9124	67.0591	0.0628	6.3642	0.4096	6.7738	1.6885	0.4064	2.0949			7,184.6915	0.7050	0.2900	7,288.7417

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	9.2652	0.3574	31.0337	1.6400e-003		0.1721	0.1721		0.1721	0.1721			55.9472	0.0537	0.0000	57.2903
Energy	0.1329	1.1438	0.5439	7.2500e-003		0.0918	0.0918		0.0918	0.0918			1,449.6324	0.0278	0.0266	1,458.2468

Affinity-Exchange Project - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Mobile	4.6626	2.4389	33.6822	0.0505	6.3642	0.0419	6.4060	1.6885	0.0387	1.7272			5,318.1208	0.5729	0.2634	5,410.9482
Stationary	0.7057	1.9723	1.7993	3.3900e-003		0.1038	0.1038		0.1038	0.1038			360.9911	0.0506		362.2564
Total	14.7663	5.9124	67.0591	0.0628	6.3642	0.4096	6.7738	1.6885	0.4064	2.0949			7,184.6915	0.7050	0.2900	7,288.7417

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	3/13/2023	5/27/2023	6	66	
2	Site Preparation	Site Preparation	5/28/2023	6/27/2023	6	26	
3	Grading	Grading	6/28/2023	10/31/2023	6	108	
4	Building Construction	Building Construction	11/1/2023	11/15/2025	6	640	
5	Architectural Coating	Architectural Coating	11/16/2025	1/16/2026	6	53	

Acres of Grading (Site Preparation Phase): 0**Acres of Grading (Grading Phase): 0****Acres of Paving: 0.2****Residential Indoor: 760,995; Residential Outdoor: 253,665; Non-Residential Indoor: 4,500; Non-Residential Outdoor: 1,500; Striped Parking Area: 24,904****OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Excavators	1	12.00	158	0.38
Demolition	Off-Highway Trucks	1	12.00	402	0.38

Affinity-Exchange Project - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Demolition	Rubber Tired Dozers	0	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	2	12.00	97	0.37
Site Preparation	Excavators	1	12.00	158	0.38
Site Preparation	Graders	0	8.00	187	0.41
Site Preparation	Off-Highway Trucks	1	12.00	402	0.38
Site Preparation	Rubber Tired Dozers	0	7.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	2	12.00	97	0.37
Grading	Bore/Drill Rigs	2	12.00	221	0.50
Grading	Cranes	2	12.00	231	0.29
Grading	Excavators	1	12.00	158	0.38
Grading	Generator Sets	1	12.00	84	0.74
Grading	Graders	0	8.00	187	0.41
Grading	Plate Compactors	1	12.00	8	0.43
Grading	Rubber Tired Dozers	0	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	12.00	97	0.37
Building Construction	Air Compressors	2	12.00	78	0.48
Building Construction	Cranes	1	12.00	231	0.29
Building Construction	Excavators	1	12.00	158	0.38
Building Construction	Forklifts	0	6.00	89	0.20
Building Construction	Generator Sets	1	12.00	84	0.74
Building Construction	Pumps	3	12.00	84	0.74
Building Construction	Skid Steer Loaders	2	12.00	65	0.37
Building Construction	Tractors/Loaders/Backhoes	1	12.00	97	0.37
Building Construction	Welders	3	12.00	46	0.45
Architectural Coating	Air Compressors	2	12.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	4	13.00	0.00	300.00	14.70	6.90	5.00	LD_Mix	HDT_Mix	HHDT

Affinity-Exchange Project - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Site Preparation	4	8.00	0.00	60.00	14.70	6.90	5.00	LD_Mix	HDT_Mix	HHDT
Grading	9	10.00	0.00	21,030.00	14.70	6.90	5.00	LD_Mix	HDT_Mix	HHDT
Building Construction	14	150.00	6.00	0.00	14.70	6.90	5.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	2	30.00	0.00	0.00	14.70	6.90	5.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 2023**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.6848	0.0000	0.6848	0.1037	0.0000	0.1037			0.0000			0.0000
Off-Road	1.4929	12.2818	16.5133	0.0369		0.5347	0.5347		0.4919	0.4919			3,574.7207	1.1561		3,603.6241
Total	1.4929	12.2818	16.5133	0.0369	0.6848	0.5347	1.2194	0.1037	0.4919	0.5956			3,574.7207	1.1561		3,603.6241

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	5.5100e-003	0.2208	0.0927	7.6000e-004	0.0200	9.8000e-004	0.0209	5.4800e-003	9.4000e-004	6.4200e-003			82.8551	4.2700e-003	0.0132	86.8805

Affinity-Exchange Project - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Worker	0.0447	0.0321	0.4330	1.2200e-003	0.1453	8.8000e-004	0.1462	0.0385	8.1000e-004	0.0393			124.6995	3.3200e-003	3.2000e-003	125.7376
Total	0.0502	0.2529	0.5257	1.9800e-003	0.1653	1.8600e-003	0.1671	0.0440	1.7500e-003	0.0458			207.5546	7.5900e-003	0.0164	212.6181

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2671	0.0000	0.2671	0.0404	0.0000	0.0404			0.0000			0.0000
Off-Road	1.4929	12.2818	16.5133	0.0369		0.5347	0.5347		0.4919	0.4919			3,574.7207	1.1561		3,603.6241
Total	1.4929	12.2818	16.5133	0.0369	0.2671	0.5347	0.8017	0.0404	0.4919	0.5323			3,574.7207	1.1561		3,603.6241

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	5.5100e-003	0.2208	0.0927	7.6000e-004	0.0200	9.8000e-004	0.0209	5.4800e-003	9.4000e-004	6.4200e-003			82.8551	4.2700e-003	0.0132	86.8805
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000

Affinity-Exchange Project - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Worker	0.0447	0.0321	0.4330	1.2200e-003	0.1453	8.8000e-004	0.1462	0.0385	8.1000e-004	0.0393			124.6995	3.3200e-003	3.2000e-003	125.7376
Total	0.0502	0.2529	0.5257	1.9800e-003	0.1653	1.8600e-003	0.1671	0.0440	1.7500e-003	0.0458			207.5546	7.5900e-003	0.0164	212.6181

3.3 Site Preparation - 2023**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.0900e-003	0.0000	2.0900e-003	3.2000e-004	0.0000	3.2000e-004			0.0000			0.0000
Off-Road	1.4929	12.2818	16.5133	0.0369		0.5347	0.5347		0.4919	0.4919			3,574.7207	1.1561		3,603.6241
Total	1.4929	12.2818	16.5133	0.0369	2.0900e-003	0.5347	0.5368	3.2000e-004	0.4919	0.4922			3,574.7207	1.1561		3,603.6241

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	2.8000e-003	0.1121	0.0471	3.8000e-004	0.0101	5.0000e-004	0.0106	2.7800e-003	4.8000e-004	3.2600e-003			42.0649	2.1700e-003	6.6800e-003	44.1086
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Worker	0.0275	0.0197	0.2665	7.5000e-004	0.0894	5.4000e-004	0.0900	0.0237	5.0000e-004	0.0242			76.7381	2.0500e-003	1.9700e-003	77.3770

Affinity-Exchange Project - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Total	0.0303	0.1318	0.3135	1.1300e-003	0.0996	1.0400e-003	0.1006	0.0265	9.8000e-004	0.0275			118.8031	4.2200e-003	8.6500e-003	121.4855
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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.1000e-004	0.0000	8.1000e-004	1.2000e-004	0.0000	1.2000e-004			0.0000			0.0000
Off-Road	1.4929	12.2818	16.5133	0.0369		0.5347	0.5347		0.4919	0.4919			3,574.7207	1.1561		3,603.6241
Total	1.4929	12.2818	16.5133	0.0369	8.1000e-004	0.5347	0.5355	1.2000e-004	0.4919	0.4920			3,574.7207	1.1561		3,603.6241

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	2.8000e-003	0.1121	0.0471	3.8000e-004	0.0101	5.0000e-004	0.0106	2.7800e-003	4.8000e-004	3.2600e-003			42.0649	2.1700e-003	6.6800e-003	44.1086
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Worker	0.0275	0.0197	0.2665	7.5000e-004	0.0894	5.4000e-004	0.0900	0.0237	5.0000e-004	0.0242			76.7381	2.0500e-003	1.9700e-003	77.3770
Total	0.0303	0.1318	0.3135	1.1300e-003	0.0996	1.0400e-003	0.1006	0.0265	9.8000e-004	0.0275			118.8031	4.2200e-003	8.6500e-003	121.4855

Affinity-Exchange Project - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.4 Grading - 2023****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.1542	0.0000	0.1542	0.0233	0.0000	0.0233			0.0000			0.0000
Off-Road	2.9557	28.9455	29.0022	0.0734		1.2243	1.2243		1.1429	1.1429			7,063.8264	2.0121		7,114.1285
Total	2.9557	28.9455	29.0022	0.0734	0.1542	1.2243	1.3785	0.0233	1.1429	1.1663			7,063.8264	2.0121		7,114.1285

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2358	9.4598	3.9701	0.0324	0.8552	0.0420	0.8972	0.2348	0.0402	0.2749			3,549.4214	0.1827	0.5633	3,721.8645
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Worker	0.0344	0.0247	0.3331	9.4000e-004	0.1118	6.7000e-004	0.1125	0.0296	6.2000e-004	0.0303			95.9227	2.5600e-003	2.4700e-003	96.7212
Total	0.2703	9.4844	4.3032	0.0333	0.9670	0.0427	1.0097	0.2644	0.0408	0.3052			3,645.3440	0.1853	0.5658	3,818.5858

Affinity-Exchange Project - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0601	0.0000	0.0601	9.1000e-003	0.0000	9.1000e-003			0.0000			0.0000
Off-Road	2.9557	28.9455	29.0022	0.0734		1.2243	1.2243		1.1429	1.1429			7,063.8264	2.0121		7,114.1285
Total	2.9557	28.9455	29.0022	0.0734	0.0601	1.2243	1.2844	9.1000e-003	1.1429	1.1520			7,063.8264	2.0121		7,114.1285

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2358	9.4598	3.9701	0.0324	0.8552	0.0420	0.8972	0.2348	0.0402	0.2749			3,549.4214	0.1827	0.5633	3,721.8645
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Worker	0.0344	0.0247	0.3331	9.4000e-004	0.1118	6.7000e-004	0.1125	0.0296	6.2000e-004	0.0303			95.9227	2.5600e-003	2.4700e-003	96.7212
Total	0.2703	9.4844	4.3032	0.0333	0.9670	0.0427	1.0097	0.2644	0.0408	0.3052			3,645.3440	0.1853	0.5658	3,818.5858

3.5 Building Construction - 2023**Unmitigated Construction On-Site**

Affinity-Exchange Project - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	5.0781	41.0094	52.2044	0.0902		1.8848	1.8848		1.8404	1.8404			8,439.8601	1.1931		8,469.6886
Total	5.0781	41.0094	52.2044	0.0902		1.8848	1.8848		1.8404	1.8404			8,439.8601	1.1931		8,469.6886

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	6.6700e-003	0.2411	0.0920	1.1200e-003	0.0384	1.1600e-003	0.0396	0.0111	1.1100e-003	0.0122			120.3722	4.0100e-003	0.0173	125.6347
Worker	0.5161	0.3699	4.9962	0.0141	1.6767	0.0101	1.6868	0.4447	9.3100e-003	0.4540			1,438.8401	0.0384	0.0370	1,450.8182
Total	0.5228	0.6110	5.0882	0.0152	1.7151	0.0113	1.7264	0.4557	0.0104	0.4662			1,559.2123	0.0424	0.0543	1,576.4529

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Affinity-Exchange Project - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Category	lb/day										lb/day					
Off-Road	5.0781	41.0094	52.2044	0.0902		1.8848	1.8848		1.8404	1.8404			8,439.8601	1.1931		8,469.6886
Total	5.0781	41.0094	52.2044	0.0902		1.8848	1.8848		1.8404	1.8404			8,439.8601	1.1931		8,469.6886

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	6.6700e-003	0.2411	0.0920	1.1200e-003	0.0384	1.1600e-003	0.0396	0.0111	1.1100e-003	0.0122			120.3722	4.0100e-003	0.0173	125.6347
Worker	0.5161	0.3699	4.9962	0.0141	1.6767	0.0101	1.6868	0.4447	9.3100e-003	0.4540			1,438.8401	0.0384	0.0370	1,450.8182
Total	0.5228	0.6110	5.0882	0.0152	1.7151	0.0113	1.7264	0.4557	0.0104	0.4662			1,559.2123	0.0424	0.0543	1,576.4529

3.5 Building Construction - 2024**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.7592	38.5213	52.0286	0.0902		1.6530	1.6530		1.6128	1.6128			8,440.6103	1.1746		8,469.9759

Affinity-Exchange Project - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Total	4.7592	38.5213	52.0286	0.0902		1.6530	1.6530		1.6128	1.6128			8,440.6103	1.1746		8,469.9759
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Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	6.4500e-003	0.2416	0.0901	1.1000e-003	0.0384	1.1700e-003	0.0396	0.0111	1.1200e-003	0.0122			118.5686	4.0200e-003	0.0171	123.7591
Worker	0.4826	0.3302	4.6546	0.0137	1.6767	9.7000e-003	1.6864	0.4447	8.9300e-003	0.4536			1,409.3098	0.0347	0.0344	1,420.4222
Total	0.4891	0.5719	4.7447	0.0148	1.7151	0.0109	1.7260	0.4557	0.0101	0.4658			1,527.8784	0.0388	0.0515	1,544.1814

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.7592	38.5213	52.0286	0.0902		1.6530	1.6530		1.6128	1.6128			8,440.6103	1.1746		8,469.9759
Total	4.7592	38.5213	52.0286	0.0902		1.6530	1.6530		1.6128	1.6128			8,440.6103	1.1746		8,469.9759

Affinity-Exchange Project - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	6.4500e-003	0.2416	0.0901	1.1000e-003	0.0384	1.1700e-003	0.0396	0.0111	1.1200e-003	0.0122			118.5686	4.0200e-003	0.0171	123.7591
Worker	0.4826	0.3302	4.6546	0.0137	1.6767	9.7000e-003	1.6864	0.4447	8.9300e-003	0.4536			1,409.3098	0.0347	0.0344	1,420.4222
Total	0.4891	0.5719	4.7447	0.0148	1.7151	0.0109	1.7260	0.4557	0.0101	0.4658			1,527.8784	0.0388	0.0515	1,544.1814

3.5 Building Construction - 2025**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.4556	36.0953	51.8534	0.0902		1.4321	1.4321		1.3964	1.3964			8,440.9042	1.1530		8,469.7295
Total	4.4556	36.0953	51.8534	0.0902		1.4321	1.4321		1.3964	1.3964			8,440.9042	1.1530		8,469.7295

Unmitigated Construction Off-Site

Affinity-Exchange Project - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	6.2500e-003	0.2405	0.0885	1.0800e-003	0.0384	1.1800e-003	0.0396	0.0111	1.1200e-003	0.0122			116.4375	4.0500e-003	0.0168	121.5405
Worker	0.4529	0.2967	4.3413	0.0132	1.6767	9.2600e-003	1.6859	0.4447	8.5200e-003	0.4532			1,374.9910	0.0314	0.0321	1,385.3404
Total	0.4592	0.5372	4.4298	0.0143	1.7151	0.0104	1.7255	0.4557	9.6400e-003	0.4654			1,491.4285	0.0354	0.0489	1,506.8809

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.4556	36.0953	51.8534	0.0902		1.4321	1.4321		1.3964	1.3964			8,440.9042	1.1530		8,469.7295
Total	4.4556	36.0953	51.8534	0.0902		1.4321	1.4321		1.3964	1.3964			8,440.9042	1.1530		8,469.7295

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Affinity-Exchange Project - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	6.2500e-003	0.2405	0.0885	1.0800e-003	0.0384	1.1800e-003	0.0396	0.0111	1.1200e-003	0.0122			116.4375	4.0500e-003	0.0168	121.5405
Worker	0.4529	0.2967	4.3413	0.0132	1.6767	9.2600e-003	1.6859	0.4447	8.5200e-003	0.4532			1,374.9910	0.0314	0.0321	1,385.3404
Total	0.4592	0.5372	4.4298	0.0143	1.7151	0.0104	1.7255	0.4557	9.6400e-003	0.4654			1,491.4285	0.0354	0.0489	1,506.8809

3.6 Architectural Coating - 2025**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	47.0701					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.6834	4.5820	7.2365	0.0119		0.2060	0.2060		0.2060	0.2060			1,125.7922	0.0614		1,127.3275
Total	47.7535	4.5820	7.2365	0.0119		0.2060	0.2060		0.2060	0.2060			1,125.7922	0.0614		1,127.3275

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Affinity-Exchange Project - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Worker	0.0906	0.0593	0.8683	2.6400e-003	0.3353	1.8500e-003	0.3372	0.0889	1.7000e-003	0.0906			274.9982	6.2700e-003	6.4200e-003	277.0681
Total	0.0906	0.0593	0.8683	2.6400e-003	0.3353	1.8500e-003	0.3372	0.0889	1.7000e-003	0.0906			274.9982	6.2700e-003	6.4200e-003	277.0681

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	47.0701					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.6834	4.5820	7.2365	0.0119		0.2060	0.2060		0.2060	0.2060			1,125.7922	0.0614		1,127.3275
Total	47.7535	4.5820	7.2365	0.0119		0.2060	0.2060		0.2060	0.2060			1,125.7922	0.0614		1,127.3275

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000

Affinity-Exchange Project - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Worker	0.0906	0.0593	0.8683	2.6400e-003	0.3353	1.8500e-003	0.3372	0.0889	1.7000e-003	0.0906			274.9982	6.2700e-003	6.4200e-003	277.0681
Total	0.0906	0.0593	0.8683	2.6400e-003	0.3353	1.8500e-003	0.3372	0.0889	1.7000e-003	0.0906			274.9982	6.2700e-003	6.4200e-003	277.0681

3.6 Architectural Coating - 2026**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	47.0701					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.6834	4.5820	7.2365	0.0119		0.2060	0.2060		0.2060	0.2060			1,125.7922	0.0614		1,127.3275
Total	47.7535	4.5820	7.2365	0.0119		0.2060	0.2060		0.2060	0.2060			1,125.7922	0.0614		1,127.3275

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000

Affinity-Exchange Project - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Worker	0.0855	0.0539	0.8161	2.5600e-003	0.3353	1.7600e-003	0.3371	0.0889	1.6200e-003	0.0906			268.8312	5.7000e-003	6.0500e-003	270.7761
Total	0.0855	0.0539	0.8161	2.5600e-003	0.3353	1.7600e-003	0.3371	0.0889	1.6200e-003	0.0906			268.8312	5.7000e-003	6.0500e-003	270.7761

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	47.0701					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.6834	4.5820	7.2365	0.0119		0.2060	0.2060		0.2060	0.2060			1,125.7922	0.0614		1,127.3275
Total	47.7535	4.5820	7.2365	0.0119		0.2060	0.2060		0.2060	0.2060			1,125.7922	0.0614		1,127.3275

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Worker	0.0855	0.0539	0.8161	2.5600e-003	0.3353	1.7600e-003	0.3371	0.0889	1.6200e-003	0.0906			268.8312	5.7000e-003	6.0500e-003	270.7761

Affinity-Exchange Project - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Total	0.0855	0.0539	0.8161	2.5600e-003	0.3353	1.7600e-003	0.3371	0.0889	1.6200e-003	0.0906			268.8312	5.7000e-003	6.0500e-003	270.7761
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4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	4.6626	2.4389	33.6822	0.0505	6.3642	0.0419	6.4060	1.6885	0.0387	1.7272			5,318.1208	0.5729	0.2634	5,410.9482
Unmitigated	4.6626	2.4389	33.6822	0.0505	6.3642	0.0419	6.4060	1.6885	0.0387	1.7272			5,318.1208	0.5729	0.2634	5,410.9482

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	275.28	248.31	207.39	281,044	281,044
Condo/Townhouse High Rise	856.95	774.21	644.19	874,863	874,863
Congregate Care (Assisted Living)	360.34	405.92	436.88	405,666	405,666
Enclosed Parking with Elevator	0.00	0.00	0.00		
High Turnover (Sit Down Restaurant)	996.39	1,087.17	1266.93	1,125,350	1,125,350
Total	2,488.96	2,515.61	2,555.39	2,686,924	2,686,924

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	2.95	2.95	2.95	40.20	19.20	40.60	100	0	0

Affinity-Exchange Project - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Condo/Townhouse High Rise	2.95	2.95	2.95	40.20	19.20	40.60	100	0	0
Congregate Care (Assisted Living)	2.95	2.95	2.95	40.20	19.20	40.60	100	0	0
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
High Turnover (Sit Down Restaurant)	2.95	2.95	2.95	8.50	72.50	19.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.733946	0.080432	0.080432	0.070378	0.000905	0.000905	0.000905	0.000905	0.000938	0.000594	0.025612	0.000712	0.003336
Condo/Townhouse High Rise	0.733946	0.080432	0.080432	0.070378	0.000905	0.000905	0.000905	0.000905	0.000938	0.000594	0.025612	0.000712	0.003336
Congregate Care (Assisted Living)	0.733946	0.080432	0.080432	0.070378	0.000905	0.000905	0.000905	0.000905	0.000938	0.000594	0.025612	0.000712	0.003336
Enclosed Parking with Elevator	0.733946	0.080432	0.080432	0.070378	0.000905	0.000905	0.000905	0.000905	0.000938	0.000594	0.025612	0.000712	0.003336
High Turnover (Sit Down Restaurant)	0.733946	0.080432	0.080432	0.070378	0.000905	0.000905	0.000905	0.000905	0.000938	0.000594	0.025612	0.000712	0.003336

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.1329	1.1438	0.5439	7.2500e-003		0.0918	0.0918		0.0918	0.0918			1,449.6324	0.0278	0.0266	1,458.2468
NaturalGas Unmitigated	0.1329	1.1438	0.5439	7.2500e-003		0.0918	0.0918		0.0918	0.0918			1,449.6324	0.0278	0.0266	1,458.2468

5.2 Energy by Land Use - NaturalGas

Affinity-Exchange Project - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**Unmitigated**

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	2609.55	0.0281	0.2405	0.1023	1.5400e-003		0.0194	0.0194		0.0194	0.0194			307.0064	5.8800e-003	5.6300e-003	308.8308
Condo/Townhouse High Rise	5695.67	0.0614	0.5249	0.2234	3.3500e-003		0.0424	0.0424		0.0424	0.0424			670.0794	0.0128	0.0123	674.0613
Congregate Care (Assisted Living)	2609.52	0.0281	0.2405	0.1023	1.5400e-003		0.0194	0.0194		0.0194	0.0194			307.0027	5.8800e-003	5.6300e-003	308.8270
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
High Turnover (Sit Down Restaurant)	1407.12	0.0152	0.1380	0.1159	8.3000e-004		0.0105	0.0105		0.0105	0.0105			165.5439	3.1700e-003	3.0300e-003	166.5277
Total		0.1329	1.1438	0.5439	7.2600e-003		0.0918	0.0918		0.0918	0.0918			1,449.6324	0.0278	0.0266	1,458.2468

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	2.60955	0.0281	0.2405	0.1023	1.5400e-003		0.0194	0.0194		0.0194	0.0194			307.0064	5.8800e-003	5.6300e-003	308.8308
Condo/Townhouse High Rise	5.69567	0.0614	0.5249	0.2234	3.3500e-003		0.0424	0.0424		0.0424	0.0424			670.0794	0.0128	0.0123	674.0613
Congregate Care (Assisted Living)	2.60952	0.0281	0.2405	0.1023	1.5400e-003		0.0194	0.0194		0.0194	0.0194			307.0027	5.8800e-003	5.6300e-003	308.8270
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
High Turnover (Sit Down Restaurant)	1.40712	0.0152	0.1380	0.1159	8.3000e-004		0.0105	0.0105		0.0105	0.0105			165.5439	3.1700e-003	3.0300e-003	166.5277

Affinity-Exchange Project - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Total		0.1329	1.1438	0.5439	7.2600e-003		0.0918	0.0918		0.0918	0.0918			1,449.6324	0.0278	0.0266	1,458.2468
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6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	9.2652	0.3574	31.0337	1.6400e-003		0.1721	0.1721		0.1721	0.1721			55.9472	0.0537	0.0000	57.2903
Unmitigated	9.2652	0.3574	31.0337	1.6400e-003		0.1721	0.1721		0.1721	0.1721			55.9472	0.0537	0.0000	57.2903

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.6835					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	7.6473					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000

Affinity-Exchange Project - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Landscaping	0.9344	0.3574	31.0337	1.6400e-003		0.1721	0.1721		0.1721	0.1721			55.9472	0.0537		57.2903
Total	9.2652	0.3574	31.0337	1.6400e-003		0.1721	0.1721		0.1721	0.1721			55.9472	0.0537	0.0000	57.2903

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.6835					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	7.6473					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Landscaping	0.9344	0.3574	31.0337	1.6400e-003		0.1721	0.1721		0.1721	0.1721			55.9472	0.0537		57.2903
Total	9.2652	0.3574	31.0337	1.6400e-003		0.1721	0.1721		0.1721	0.1721			55.9472	0.0537	0.0000	57.2903

7.0 Water Detail**7.1 Mitigation Measures Water****8.0 Waste Detail****8.1 Mitigation Measures Waste**

Institute Recycling and Composting Services

9.0 Operational Offroad

Affinity-Exchange Project - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment**Fire Pumps and Emergency Generators**

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	2	1	52	215	0.73	Diesel

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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10.1 Stationary Sources**Unmitigated/Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	lb/day										lb/day					
Emergency Generator	0.7057	1.9723	1.7993	3.3900e-003		0.1038	0.1038		0.1038	0.1038			360.9911	0.0506		362.2564
Total	0.7057	1.9723	1.7993	3.3900e-003		0.1038	0.1038		0.1038	0.1038			360.9911	0.0506		362.2564

11.0 Vegetation

Affinity-Exchange Project - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Affinity-Exchange Project
Los Angeles-South Coast County, Summer

1.0 Project Characteristics**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	415.06	1000sqft	0.20	415,063.00	0
High Turnover (Sit Down Restaurant)	3.00	1000sqft	0.02	3,000.00	0
Apartments Mid Rise	93.00	Dwelling Unit	0.45	93,000.00	109
Condo/Townhouse High Rise	197.00	Dwelling Unit	0.88	197,000.00	493
Congregate Care (Assisted Living)	86.00	Dwelling Unit	0.45	85,800.00	113

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	9			Operational Year	2026
Utility Company	Pasadena Water and Power				
CO2 Intensity (lb/MW hr)	802	CH4 Intensity (lb/MW hr)	0	N2O Intensity (lb/MW hr)	0

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CO2 Intensity Factor for 2026, per 2020 Power Content Label and what is legally required
<https://ww5.cityofpasadena.net/water-and-power/wp-content/uploads/sites/54/2021/08/2020-Power-Content-Label-for-Website.pdf>

Land Use - Data from project description

Lot acreage estimates

Construction Phase - Project schedule per client

Off-road Equipment - 2 buildings

Off-road Equipment - Const equipment by client - 2 buildings

Off-road Equipment - Const equipment by client

Off-road Equipment - Const equipment by client

Affinity-Exchange Project - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Off-road Equipment - Const equipment by client

Trips and VMT - Haul trips and distance per client

Demolition -

Grading - .

Vehicle Trips - Trip rates per TIA and to account for increased trips from converted use (in high-turnover land use). Apt Mid rise is trip generation rate for sr adult housing (independent living). VMT per Pasadena DOT traffic study.

Woodstoves - No fireplaces

Energy Use - Provided by Applicant. High Turnover also includes electrical and NG consumption for converted uses

Water And Wastewater - Water use per City Will Serve letter. High turnover land use includes water for converted uses

Construction Off-road Equipment Mitigation -

Energy Mitigation -

Waste Mitigation -

Fleet Mix - .

Stationary Sources - Emergency Generators and Fire Pumps - 2 -200 KVA emerg generators

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	66.00
tblConstructionPhase	NumDays	2.00	26.00
tblConstructionPhase	NumDays	4.00	108.00
tblConstructionPhase	NumDays	200.00	640.00
tblConstructionPhase	NumDays	10.00	53.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblEnergyUse	LightingElect	741.44	869.67
tblEnergyUse	LightingElect	1,001.10	1,320.98
tblEnergyUse	LightingElect	741.44	940.46
tblEnergyUse	LightingElect	7.87	92.17
tblEnergyUse	NT24E	3,054.10	3,582.31

Affinity-Exchange Project - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblEnergyUse	NT24E	3,054.10	4,029.96
tblEnergyUse	NT24E	3,054.10	3,873.90
tblEnergyUse	NT24E	28.16	329.80
tblEnergyUse	NT24NG	6,384.00	5,003.90
tblEnergyUse	NT24NG	6,384.00	5,155.90
tblEnergyUse	NT24NG	6,384.00	5,411.10
tblEnergyUse	NT24NG	187.78	139.60
tblEnergyUse	T24E	53.81	63.12
tblEnergyUse	T24E	53.81	71.00
tblEnergyUse	T24E	53.81	68.25
tblEnergyUse	T24E	7.24	28.65
tblEnergyUse	T24NG	6,682.59	5,237.90
tblEnergyUse	T24NG	6,682.59	5,397.00
tblEnergyUse	T24NG	6,682.59	5,664.20
tblEnergyUse	T24NG	42.55	31.60
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	79.05	0.00
tblFireplaces	NumberGas	167.45	0.00
tblFireplaces	NumberGas	73.10	0.00
tblFireplaces	NumberNoFireplace	9.30	0.00
tblFireplaces	NumberNoFireplace	19.70	0.00
tblFireplaces	NumberNoFireplace	8.60	0.00
tblFireplaces	NumberWood	4.65	0.00
tblFireplaces	NumberWood	9.85	0.00
tblFireplaces	NumberWood	4.30	0.00

Affinity-Exchange Project - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblFleetMix	HHD	8.0840e-003	9.0486e-004
tblFleetMix	HHD	8.0840e-003	9.0486e-004
tblFleetMix	HHD	8.0840e-003	9.0486e-004
tblFleetMix	HHD	8.0840e-003	9.0486e-004
tblFleetMix	HHD	8.0840e-003	9.0486e-004
tblFleetMix	LDA	0.54	0.73
tblFleetMix	LDA	0.54	0.73
tblFleetMix	LDA	0.54	0.73
tblFleetMix	LDA	0.54	0.73
tblFleetMix	LDA	0.54	0.73
tblFleetMix	LDT1	0.07	0.08
tblFleetMix	LDT1	0.07	0.08
tblFleetMix	LDT1	0.07	0.08
tblFleetMix	LDT1	0.07	0.08
tblFleetMix	LDT1	0.07	0.08
tblFleetMix	LDT2	0.19	0.08
tblFleetMix	LDT2	0.19	0.08
tblFleetMix	LDT2	0.19	0.08
tblFleetMix	LDT2	0.19	0.08
tblFleetMix	LDT2	0.19	0.08
tblFleetMix	LHD1	0.02	9.0486e-004
tblFleetMix	LHD1	0.02	9.0486e-004
tblFleetMix	LHD1	0.02	9.0486e-004
tblFleetMix	LHD1	0.02	9.0486e-004
tblFleetMix	LHD1	0.02	9.0486e-004
tblFleetMix	LHD2	6.5180e-003	9.0486e-004
tblFleetMix	LHD2	6.5180e-003	9.0486e-004
tblFleetMix	LHD2	6.5180e-003	9.0486e-004
tblFleetMix	LHD2	6.5180e-003	9.0486e-004
tblFleetMix	LHD2	6.5180e-003	9.0486e-004

Affinity-Exchange Project - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblFleetMix	MCY	0.03	0.03
tblFleetMix	MCY	0.03	0.03
tblFleetMix	MCY	0.03	0.03
tblFleetMix	MCY	0.03	0.03
tblFleetMix	MCY	0.03	0.03
tblFleetMix	MDV	0.13	0.07
tblFleetMix	MDV	0.13	0.07
tblFleetMix	MDV	0.13	0.07
tblFleetMix	MDV	0.13	0.07
tblFleetMix	MDV	0.13	0.07
tblFleetMix	MH	3.3180e-003	3.3359e-003
tblFleetMix	MH	3.3180e-003	3.3359e-003
tblFleetMix	MH	3.3180e-003	3.3359e-003
tblFleetMix	MH	3.3180e-003	3.3359e-003
tblFleetMix	MH	3.3180e-003	3.3359e-003
tblFleetMix	MHD	0.01	9.0486e-004
tblFleetMix	MHD	0.01	9.0486e-004
tblFleetMix	MHD	0.01	9.0486e-004
tblFleetMix	MHD	0.01	9.0486e-004
tblFleetMix	MHD	0.01	9.0486e-004
tblFleetMix	OBUS	9.3300e-004	9.3804e-004
tblFleetMix	OBUS	9.3300e-004	9.3804e-004
tblFleetMix	OBUS	9.3300e-004	9.3804e-004
tblFleetMix	OBUS	9.3300e-004	9.3804e-004
tblFleetMix	OBUS	9.3300e-004	9.3804e-004
tblFleetMix	SBUS	7.0800e-004	7.1183e-004
tblFleetMix	SBUS	7.0800e-004	7.1183e-004
tblFleetMix	SBUS	7.0800e-004	7.1183e-004
tblFleetMix	SBUS	7.0800e-004	7.1183e-004
tblFleetMix	SBUS	7.0800e-004	7.1183e-004

Affinity-Exchange Project - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblFleetMix	UBUS	5.9100e-004	5.9419e-004
tblFleetMix	UBUS	5.9100e-004	5.9419e-004
tblFleetMix	UBUS	5.9100e-004	5.9419e-004
tblFleetMix	UBUS	5.9100e-004	5.9419e-004
tblFleetMix	UBUS	5.9100e-004	5.9419e-004
tblGrading	MaterialExported	0.00	147,211.00
tblGrading	MaterialExported	0.00	480.00
tblLandUse	LandUseSquareFeet	415,060.00	415,063.00
tblLandUse	LandUseSquareFeet	86,000.00	85,800.00
tblLandUse	LotAcreage	9.53	0.20
tblLandUse	LotAcreage	0.07	0.02
tblLandUse	LotAcreage	2.45	0.45
tblLandUse	LotAcreage	3.08	0.88
tblLandUse	LotAcreage	5.38	0.45
tblLandUse	Population	266.00	109.00
tblLandUse	Population	563.00	493.00
tblLandUse	Population	246.00	113.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	UsageHours	6.00	12.00
tblOffRoadEquipment	UsageHours	6.00	12.00
tblOffRoadEquipment	UsageHours	8.00	12.00

Affinity-Exchange Project - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblOffRoadEquipment	UsageHours	6.00	12.00
tblOffRoadEquipment	UsageHours	8.00	12.00
tblOffRoadEquipment	UsageHours	7.00	12.00
tblOffRoadEquipment	UsageHours	8.00	12.00
tblOffRoadEquipment	UsageHours	8.00	12.00
tblProjectCharacteristics	CH4IntensityFactor	0.033	0
tblProjectCharacteristics	CO2IntensityFactor	872.98	802
tblProjectCharacteristics	N2OIntensityFactor	0.004	0
tblStationaryGeneratorsPumpsUse	HorsePowerValue	0.00	215.00
tblStationaryGeneratorsPumpsUse	HoursPerDay	0.00	1.00
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	52.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	2.00
tblTripsAndVMT	HaulingTripLength	20.00	5.00
tblTripsAndVMT	HaulingTripLength	20.00	5.00
tblTripsAndVMT	HaulingTripLength	20.00	5.00
tblTripsAndVMT	HaulingTripLength	20.00	5.00
tblTripsAndVMT	HaulingTripLength	20.00	5.00
tblTripsAndVMT	HaulingTripNumber	209.00	300.00
tblTripsAndVMT	HaulingTripNumber	18,401.00	21,030.00
tblTripsAndVMT	VendorTripNumber	109.00	6.00
tblTripsAndVMT	WorkerTripNumber	10.00	13.00
tblTripsAndVMT	WorkerTripNumber	10.00	8.00
tblTripsAndVMT	WorkerTripNumber	23.00	10.00
tblTripsAndVMT	WorkerTripNumber	446.00	150.00
tblTripsAndVMT	WorkerTripNumber	89.00	30.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	2.95
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	2.95
tblVehicleTrips	CW_TL	16.60	0.00

Affinity-Exchange Project - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblVehicleTrips	CW_TL	16.60	2.95
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	DV_TP	20.00	0.00
tblVehicleTrips	HO_TL	8.70	2.95
tblVehicleTrips	HO_TL	8.70	2.95
tblVehicleTrips	HO_TL	8.70	2.95
tblVehicleTrips	HS_TL	5.90	2.95
tblVehicleTrips	HS_TL	5.90	2.95
tblVehicleTrips	HS_TL	5.90	2.95
tblVehicleTrips	HW_TL	14.70	2.95
tblVehicleTrips	HW_TL	14.70	2.95
tblVehicleTrips	HW_TL	14.70	2.95
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	43.00	0.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	PR_TP	37.00	100.00
tblVehicleTrips	ST_TR	4.91	2.67
tblVehicleTrips	ST_TR	4.91	3.93
tblVehicleTrips	ST_TR	2.93	4.72
tblVehicleTrips	ST_TR	122.40	362.39
tblVehicleTrips	SU_TR	4.09	2.23
tblVehicleTrips	SU_TR	4.09	3.27
tblVehicleTrips	SU_TR	3.15	5.08
tblVehicleTrips	SU_TR	142.64	422.31

Affinity-Exchange Project - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblVehicleTrips	WD_TR	5.44	2.96
tblVehicleTrips	WD_TR	5.44	4.35
tblVehicleTrips	WD_TR	2.60	4.19
tblVehicleTrips	WD_TR	112.18	332.13
tblWater	IndoorWaterUseRate	6,059,324.38	2,122,475.00
tblWater	IndoorWaterUseRate	12,835,343.05	7,555,500.00
tblWater	IndoorWaterUseRate	5,603,246.20	2,122,475.00
tblWater	IndoorWaterUseRate	910,601.14	5,835,620.00
tblWater	OutdoorWaterUseRate	3,820,008.85	102,200.00
tblWater	OutdoorWaterUseRate	8,091,846.70	102,200.00
tblWater	OutdoorWaterUseRate	3,532,481.30	102,200.00
tblWater	OutdoorWaterUseRate	0.00	102,200.00
tblWater	OutdoorWaterUseRate	58,123.48	102,200.00
tblWoodstoves	NumberCatalytic	4.65	0.00
tblWoodstoves	NumberCatalytic	9.85	0.00
tblWoodstoves	NumberCatalytic	4.30	0.00
tblWoodstoves	NumberNoncatalytic	4.65	0.00
tblWoodstoves	NumberNoncatalytic	9.85	0.00
tblWoodstoves	NumberNoncatalytic	4.30	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary**2.1 Overall Construction (Maximum Daily Emission)****Unmitigated Construction**

Affinity-Exchange Project - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	5.5653	41.5746	57.7292	0.1066	1.7151	1.8960	3.6111	0.4557	1.8508	2.3066			10,701.3102	2.1988	0.5636	10,924.2190
2024	5.2136	39.0511	57.1754	0.1057	1.7151	1.6638	3.3789	0.4557	1.6229	2.0786			10,046.5835	1.2129	0.0492	10,091.5763
2025	47.8373	36.5937	56.6545	0.1052	1.7151	1.4425	3.1576	0.4557	1.4061	1.8618			10,008.3468	1.1879	0.0468	10,051.9949
2026	47.8323	4.6308	8.1225	0.0146	0.3353	0.2078	0.5431	0.0889	0.2076	0.2966			1,409.4998	0.0670	5.6700e-003	1,412.8642
Maximum	47.8373	41.5746	57.7292	0.1066	1.7151	1.8960	3.6111	0.4557	1.8508	2.3066			10,701.3102	2.1988	0.5636	10,924.2190

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	5.5653	41.5746	57.7292	0.1066	1.7151	1.8960	3.6111	0.4557	1.8508	2.3066			10,701.3102	2.1988	0.5636	10,924.2190
2024	5.2136	39.0511	57.1754	0.1057	1.7151	1.6638	3.3789	0.4557	1.6229	2.0786			10,046.5835	1.2129	0.0492	10,091.5763
2025	47.8373	36.5937	56.6545	0.1052	1.7151	1.4425	3.1576	0.4557	1.4061	1.8618			10,008.3468	1.1879	0.0468	10,051.9949
2026	47.8323	4.6308	8.1225	0.0146	0.3353	0.2078	0.5431	0.0889	0.2076	0.2966			1,409.4998	0.0670	5.6700e-003	1,412.8642
Maximum	47.8373	41.5746	57.7292	0.1066	1.7151	1.8960	3.6111	0.4557	1.8508	2.3066			10,701.3102	2.1988	0.5636	10,924.2190

Affinity-Exchange Project - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	9.2652	0.3574	31.0337	1.6400e-003		0.1721	0.1721		0.1721	0.1721			55.9472	0.0537	0.0000	57.2903
Energy	0.1329	1.1438	0.5439	7.2500e-003		0.0918	0.0918		0.0918	0.0918			1,449.6324	0.0278	0.0266	1,458.2468
Mobile	4.8380	2.2258	32.6402	0.0531	6.3642	0.0419	6.4060	1.6885	0.0386	1.7272			5,585.5744	0.5392	0.2480	5,672.9599
Stationary	0.7057	1.9723	1.7993	3.3900e-003		0.1038	0.1038		0.1038	0.1038			360.9911	0.0506		362.2564
Total	14.9417	5.6993	66.0170	0.0653	6.3642	0.4096	6.7738	1.6885	0.4064	2.0949			7,452.1450	0.6713	0.2746	7,550.7534

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	9.2652	0.3574	31.0337	1.6400e-003		0.1721	0.1721		0.1721	0.1721			55.9472	0.0537	0.0000	57.2903
Energy	0.1329	1.1438	0.5439	7.2500e-003		0.0918	0.0918		0.0918	0.0918			1,449.6324	0.0278	0.0266	1,458.2468

Affinity-Exchange Project - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Mobile	4.8380	2.2258	32.6402	0.0531	6.3642	0.0419	6.4060	1.6885	0.0386	1.7272			5,585.5744	0.5392	0.2480	5,672.9599
Stationary	0.7057	1.9723	1.7993	3.3900e-003		0.1038	0.1038		0.1038	0.1038			360.9911	0.0506		362.2564
Total	14.9417	5.6993	66.0170	0.0653	6.3642	0.4096	6.7738	1.6885	0.4064	2.0949			7,452.1450	0.6713	0.2746	7,550.7534

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	3/13/2023	5/27/2023	6	66	
2	Site Preparation	Site Preparation	5/28/2023	6/27/2023	6	26	
3	Grading	Grading	6/28/2023	10/31/2023	6	108	
4	Building Construction	Building Construction	11/1/2023	11/15/2025	6	640	
5	Architectural Coating	Architectural Coating	11/16/2025	1/16/2026	6	53	

Acres of Grading (Site Preparation Phase): 0**Acres of Grading (Grading Phase): 0****Acres of Paving: 0.2****Residential Indoor: 760,995; Residential Outdoor: 253,665; Non-Residential Indoor: 4,500; Non-Residential Outdoor: 1,500; Striped Parking Area: 24,904****OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Excavators	1	12.00	158	0.38
Demolition	Off-Highway Trucks	1	12.00	402	0.38

Affinity-Exchange Project - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Demolition	Rubber Tired Dozers	0	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	2	12.00	97	0.37
Site Preparation	Excavators	1	12.00	158	0.38
Site Preparation	Graders	0	8.00	187	0.41
Site Preparation	Off-Highway Trucks	1	12.00	402	0.38
Site Preparation	Rubber Tired Dozers	0	7.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	2	12.00	97	0.37
Grading	Bore/Drill Rigs	2	12.00	221	0.50
Grading	Cranes	2	12.00	231	0.29
Grading	Excavators	1	12.00	158	0.38
Grading	Generator Sets	1	12.00	84	0.74
Grading	Graders	0	8.00	187	0.41
Grading	Plate Compactors	1	12.00	8	0.43
Grading	Rubber Tired Dozers	0	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	12.00	97	0.37
Building Construction	Air Compressors	2	12.00	78	0.48
Building Construction	Cranes	1	12.00	231	0.29
Building Construction	Excavators	1	12.00	158	0.38
Building Construction	Forklifts	0	6.00	89	0.20
Building Construction	Generator Sets	1	12.00	84	0.74
Building Construction	Pumps	3	12.00	84	0.74
Building Construction	Skid Steer Loaders	2	12.00	65	0.37
Building Construction	Tractors/Loaders/Backhoes	1	12.00	97	0.37
Building Construction	Welders	3	12.00	46	0.45
Architectural Coating	Air Compressors	2	12.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	4	13.00	0.00	300.00	14.70	6.90	5.00	LD_Mix	HDT_Mix	HHDT

Affinity-Exchange Project - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Site Preparation	4	8.00	0.00	60.00	14.70	6.90	5.00	LD_Mix	HDT_Mix	HHDT
Grading	9	10.00	0.00	21,030.00	14.70	6.90	5.00	LD_Mix	HDT_Mix	HHDT
Building Construction	14	150.00	6.00	0.00	14.70	6.90	5.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	2	30.00	0.00	0.00	14.70	6.90	5.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 2023**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.6848	0.0000	0.6848	0.1037	0.0000	0.1037			0.0000			0.0000
Off-Road	1.4929	12.2818	16.5133	0.0369		0.5347	0.5347		0.4919	0.4919			3,574.7207	1.1561		3,603.6241
Total	1.4929	12.2818	16.5133	0.0369	0.6848	0.5347	1.2194	0.1037	0.4919	0.5956			3,574.7207	1.1561		3,603.6241

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	6.1400e-003	0.2097	0.0904	7.5000e-004	0.0200	9.7000e-004	0.0209	5.4800e-003	9.3000e-004	6.4100e-003			82.5470	4.3000e-003	0.0131	86.5587

Affinity-Exchange Project - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Worker	0.0416	0.0290	0.4711	1.2900e-003	0.1453	8.8000e-004	0.1462	0.0385	8.1000e-004	0.0393			131.6397	3.2800e-003	3.0000e-003	132.6157
Total	0.0478	0.2387	0.5615	2.0400e-003	0.1653	1.8500e-003	0.1671	0.0440	1.7400e-003	0.0458			214.1867	7.5800e-003	0.0161	219.1744

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2671	0.0000	0.2671	0.0404	0.0000	0.0404			0.0000			0.0000
Off-Road	1.4929	12.2818	16.5133	0.0369		0.5347	0.5347		0.4919	0.4919			3,574.7207	1.1561		3,603.6241
Total	1.4929	12.2818	16.5133	0.0369	0.2671	0.5347	0.8017	0.0404	0.4919	0.5323			3,574.7207	1.1561		3,603.6241

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	6.1400e-003	0.2097	0.0904	7.5000e-004	0.0200	9.7000e-004	0.0209	5.4800e-003	9.3000e-004	6.4100e-003			82.5470	4.3000e-003	0.0131	86.5587
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000

Affinity-Exchange Project - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Worker	0.0416	0.0290	0.4711	1.2900e-003	0.1453	8.8000e-004	0.1462	0.0385	8.1000e-004	0.0393			131.6397	3.2800e-003	3.0000e-003	132.6157
Total	0.0478	0.2387	0.5615	2.0400e-003	0.1653	1.8500e-003	0.1671	0.0440	1.7400e-003	0.0458			214.1867	7.5800e-003	0.0161	219.1744

3.3 Site Preparation - 2023**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.0900e-003	0.0000	2.0900e-003	3.2000e-004	0.0000	3.2000e-004			0.0000			0.0000
Off-Road	1.4929	12.2818	16.5133	0.0369		0.5347	0.5347		0.4919	0.4919			3,574.7207	1.1561		3,603.6241
Total	1.4929	12.2818	16.5133	0.0369	2.0900e-003	0.5347	0.5368	3.2000e-004	0.4919	0.4922			3,574.7207	1.1561		3,603.6241

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	3.1200e-003	0.1064	0.0459	3.8000e-004	0.0101	4.9000e-004	0.0106	2.7800e-003	4.7000e-004	3.2500e-003			41.9085	2.1800e-003	6.6500e-003	43.9452
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Worker	0.0256	0.0179	0.2899	7.9000e-004	0.0894	5.4000e-004	0.0900	0.0237	5.0000e-004	0.0242			81.0090	2.0200e-003	1.8500e-003	81.6097

Affinity-Exchange Project - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Total	0.0287	0.1243	0.3358	1.1700e-003	0.0996	1.0300e-003	0.1006	0.0265	9.7000e-004	0.0275			122.9175	4.2000e-003	8.5000e-003	125.5549
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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.1000e-004	0.0000	8.1000e-004	1.2000e-004	0.0000	1.2000e-004			0.0000			0.0000
Off-Road	1.4929	12.2818	16.5133	0.0369		0.5347	0.5347		0.4919	0.4919			3,574.7207	1.1561		3,603.6241
Total	1.4929	12.2818	16.5133	0.0369	8.1000e-004	0.5347	0.5355	1.2000e-004	0.4919	0.4920			3,574.7207	1.1561		3,603.6241

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	3.1200e-003	0.1064	0.0459	3.8000e-004	0.0101	4.9000e-004	0.0106	2.7800e-003	4.7000e-004	3.2500e-003			41.9085	2.1800e-003	6.6500e-003	43.9452
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Worker	0.0256	0.0179	0.2899	7.9000e-004	0.0894	5.4000e-004	0.0900	0.0237	5.0000e-004	0.0242			81.0090	2.0200e-003	1.8500e-003	81.6097
Total	0.0287	0.1243	0.3358	1.1700e-003	0.0996	1.0300e-003	0.1006	0.0265	9.7000e-004	0.0275			122.9175	4.2000e-003	8.5000e-003	125.5549

Affinity-Exchange Project - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.4 Grading - 2023****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.1542	0.0000	0.1542	0.0233	0.0000	0.0233			0.0000			0.0000
Off-Road	2.9557	28.9455	29.0022	0.0734		1.2243	1.2243		1.1429	1.1429			7,063.8264	2.0121		7,114.1285
Total	2.9557	28.9455	29.0022	0.0734	0.1542	1.2243	1.3785	0.0233	1.1429	1.1663			7,063.8264	2.0121		7,114.1285

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2630	8.9810	3.8719	0.0323	0.8552	0.0416	0.8968	0.2348	0.0398	0.2745			3,536.2225	0.1842	0.5613	3,708.0784
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Worker	0.0320	0.0223	0.3624	9.9000e-004	0.1118	6.7000e-004	0.1125	0.0296	6.2000e-004	0.0303			101.2613	2.5200e-003	2.3100e-003	102.0121
Total	0.2950	9.0033	4.2342	0.0332	0.9670	0.0422	1.0092	0.2644	0.0404	0.3048			3,637.4838	0.1867	0.5636	3,810.0905

Affinity-Exchange Project - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0601	0.0000	0.0601	9.1000e-003	0.0000	9.1000e-003			0.0000			0.0000
Off-Road	2.9557	28.9455	29.0022	0.0734		1.2243	1.2243		1.1429	1.1429			7,063.8264	2.0121		7,114.1285
Total	2.9557	28.9455	29.0022	0.0734	0.0601	1.2243	1.2844	9.1000e-003	1.1429	1.1520			7,063.8264	2.0121		7,114.1285

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2630	8.9810	3.8719	0.0323	0.8552	0.0416	0.8968	0.2348	0.0398	0.2745			3,536.2225	0.1842	0.5613	3,708.0784
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Worker	0.0320	0.0223	0.3624	9.9000e-004	0.1118	6.7000e-004	0.1125	0.0296	6.2000e-004	0.0303			101.2613	2.5200e-003	2.3100e-003	102.0121
Total	0.2950	9.0033	4.2342	0.0332	0.9670	0.0422	1.0092	0.2644	0.0404	0.3048			3,637.4838	0.1867	0.5636	3,810.0905

3.5 Building Construction - 2023**Unmitigated Construction On-Site**

Affinity-Exchange Project - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	5.0781	41.0094	52.2044	0.0902		1.8848	1.8848		1.8404	1.8404			8,439.8601	1.1931		8,469.6886
Total	5.0781	41.0094	52.2044	0.0902		1.8848	1.8848		1.8404	1.8404			8,439.8601	1.1931		8,469.6886

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	6.9100e-003	0.2303	0.0892	1.1200e-003	0.0384	1.1600e-003	0.0396	0.0111	1.1100e-003	0.0122			120.1695	4.0300e-003	0.0173	125.4187
Worker	0.4803	0.3349	5.4356	0.0148	1.6767	0.0101	1.6868	0.4447	9.3100e-003	0.4540			1,518.9192	0.0378	0.0346	1,530.1813
Total	0.4872	0.5652	5.5248	0.0160	1.7151	0.0113	1.7264	0.4557	0.0104	0.4661			1,639.0887	0.0419	0.0519	1,655.5999

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Affinity-Exchange Project - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Category	lb/day										lb/day					
Off-Road	5.0781	41.0094	52.2044	0.0902		1.8848	1.8848		1.8404	1.8404			8,439.8601	1.1931		8,469.6886
Total	5.0781	41.0094	52.2044	0.0902		1.8848	1.8848		1.8404	1.8404			8,439.8601	1.1931		8,469.6886

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	6.9100e-003	0.2303	0.0892	1.1200e-003	0.0384	1.1600e-003	0.0396	0.0111	1.1100e-003	0.0122			120.1695	4.0300e-003	0.0173	125.4187
Worker	0.4803	0.3349	5.4356	0.0148	1.6767	0.0101	1.6868	0.4447	9.3100e-003	0.4540			1,518.9192	0.0378	0.0346	1,530.1813
Total	0.4872	0.5652	5.5248	0.0160	1.7151	0.0113	1.7264	0.4557	0.0104	0.4661			1,639.0887	0.0419	0.0519	1,655.5999

3.5 Building Construction - 2024**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.7592	38.5213	52.0286	0.0902		1.6530	1.6530		1.6128	1.6128			8,440.6103	1.1746		8,469.9759

Affinity-Exchange Project - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Total	4.7592	38.5213	52.0286	0.0902		1.6530	1.6530		1.6128	1.6128			8,440.6103	1.1746		8,469.9759
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Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	6.7000e-003	0.2308	0.0873	1.1000e-003	0.0384	1.1700e-003	0.0396	0.0111	1.1100e-003	0.0122			118.3648	4.0400e-003	0.0170	123.5424
Worker	0.4477	0.2991	5.0595	0.0144	1.6767	9.7000e-003	1.6864	0.4447	8.9300e-003	0.4536			1,487.6085	0.0342	0.0322	1,498.0580
Total	0.4544	0.5298	5.1468	0.0155	1.7151	0.0109	1.7260	0.4557	0.0100	0.4658			1,605.9732	0.0383	0.0492	1,621.6004

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.7592	38.5213	52.0286	0.0902		1.6530	1.6530		1.6128	1.6128			8,440.6103	1.1746		8,469.9759
Total	4.7592	38.5213	52.0286	0.0902		1.6530	1.6530		1.6128	1.6128			8,440.6103	1.1746		8,469.9759

Affinity-Exchange Project - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	6.7000e-003	0.2308	0.0873	1.1000e-003	0.0384	1.1700e-003	0.0396	0.0111	1.1100e-003	0.0122			118.3648	4.0400e-003	0.0170	123.5424
Worker	0.4477	0.2991	5.0595	0.0144	1.6767	9.7000e-003	1.6864	0.4447	8.9300e-003	0.4536			1,487.6085	0.0342	0.0322	1,498.0580
Total	0.4544	0.5298	5.1468	0.0155	1.7151	0.0109	1.7260	0.4557	0.0100	0.4658			1,605.9732	0.0383	0.0492	1,621.6004

3.5 Building Construction - 2025**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.4556	36.0953	51.8534	0.0902		1.4321	1.4321		1.3964	1.3964			8,440.9042	1.1530		8,469.7295
Total	4.4556	36.0953	51.8534	0.0902		1.4321	1.4321		1.3964	1.3964			8,440.9042	1.1530		8,469.7295

Unmitigated Construction Off-Site

Affinity-Exchange Project - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	6.5100e-003	0.2297	0.0857	1.0800e-003	0.0384	1.1700e-003	0.0396	0.0111	1.1200e-003	0.0122			116.2337	4.0700e-003	0.0167	121.3242
Worker	0.4187	0.2687	4.7153	0.0139	1.6767	9.2600e-003	1.6859	0.4447	8.5200e-003	0.4532			1,451.2088	0.0309	0.0301	1,460.9412
Total	0.4252	0.4984	4.8011	0.0150	1.7151	0.0104	1.7255	0.4557	9.6400e-003	0.4654			1,567.4426	0.0349	0.0468	1,582.2654

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.4556	36.0953	51.8534	0.0902		1.4321	1.4321		1.3964	1.3964			8,440.9042	1.1530		8,469.7295
Total	4.4556	36.0953	51.8534	0.0902		1.4321	1.4321		1.3964	1.3964			8,440.9042	1.1530		8,469.7295

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Affinity-Exchange Project - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	6.5100e-003	0.2297	0.0857	1.0800e-003	0.0384	1.1700e-003	0.0396	0.0111	1.1200e-003	0.0122			116.2337	4.0700e-003	0.0167	121.3242
Worker	0.4187	0.2687	4.7153	0.0139	1.6767	9.2600e-003	1.6859	0.4447	8.5200e-003	0.4532			1,451.2088	0.0309	0.0301	1,460.9412
Total	0.4252	0.4984	4.8011	0.0150	1.7151	0.0104	1.7255	0.4557	9.6400e-003	0.4654			1,567.4426	0.0349	0.0468	1,582.2654

3.6 Architectural Coating - 2025**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	47.0701					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.6834	4.5820	7.2365	0.0119		0.2060	0.2060		0.2060	0.2060			1,125.7922	0.0614		1,127.3275
Total	47.7535	4.5820	7.2365	0.0119		0.2060	0.2060		0.2060	0.2060			1,125.7922	0.0614		1,127.3275

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Affinity-Exchange Project - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Worker	0.0838	0.0537	0.9431	2.7900e-003	0.3353	1.8500e-003	0.3372	0.0889	1.7000e-003	0.0906			290.2418	6.1700e-003	6.0100e-003	292.1882
Total	0.0838	0.0537	0.9431	2.7900e-003	0.3353	1.8500e-003	0.3372	0.0889	1.7000e-003	0.0906			290.2418	6.1700e-003	6.0100e-003	292.1882

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	47.0701					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.6834	4.5820	7.2365	0.0119		0.2060	0.2060		0.2060	0.2060			1,125.7922	0.0614		1,127.3275
Total	47.7535	4.5820	7.2365	0.0119		0.2060	0.2060		0.2060	0.2060			1,125.7922	0.0614		1,127.3275

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000

Affinity-Exchange Project - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Worker	0.0838	0.0537	0.9431	2.7900e-003	0.3353	1.8500e-003	0.3372	0.0889	1.7000e-003	0.0906			290.2418	6.1700e-003	6.0100e-003	292.1882
Total	0.0838	0.0537	0.9431	2.7900e-003	0.3353	1.8500e-003	0.3372	0.0889	1.7000e-003	0.0906			290.2418	6.1700e-003	6.0100e-003	292.1882

3.6 Architectural Coating - 2026**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	47.0701					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.6834	4.5820	7.2365	0.0119		0.2060	0.2060		0.2060	0.2060			1,125.7922	0.0614		1,127.3275
Total	47.7535	4.5820	7.2365	0.0119		0.2060	0.2060		0.2060	0.2060			1,125.7922	0.0614		1,127.3275

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000

Affinity-Exchange Project - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Worker	0.0788	0.0488	0.8859	2.7000e-003	0.3353	1.7600e-003	0.3371	0.0889	1.6200e-003	0.0906			283.7076	5.6000e-003	5.6700e-003	285.5367
Total	0.0788	0.0488	0.8859	2.7000e-003	0.3353	1.7600e-003	0.3371	0.0889	1.6200e-003	0.0906			283.7076	5.6000e-003	5.6700e-003	285.5367

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	47.0701					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.6834	4.5820	7.2365	0.0119		0.2060	0.2060		0.2060	0.2060			1,125.7922	0.0614		1,127.3275
Total	47.7535	4.5820	7.2365	0.0119		0.2060	0.2060		0.2060	0.2060			1,125.7922	0.0614		1,127.3275

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Worker	0.0788	0.0488	0.8859	2.7000e-003	0.3353	1.7600e-003	0.3371	0.0889	1.6200e-003	0.0906			283.7076	5.6000e-003	5.6700e-003	285.5367

Affinity-Exchange Project - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Total	0.0788	0.0488	0.8859	2.7000e-003	0.3353	1.7600e-003	0.3371	0.0889	1.6200e-003	0.0906			283.7076	5.6000e-003	5.6700e-003	285.5367
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4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	4.8380	2.2258	32.6402	0.0531	6.3642	0.0419	6.4060	1.6885	0.0386	1.7272			5,585.5744	0.5392	0.2480	5,672.9599
Unmitigated	4.8380	2.2258	32.6402	0.0531	6.3642	0.0419	6.4060	1.6885	0.0386	1.7272			5,585.5744	0.5392	0.2480	5,672.9599

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	275.28	248.31	207.39	281,044	281,044
Condo/Townhouse High Rise	856.95	774.21	644.19	874,863	874,863
Congregate Care (Assisted Living)	360.34	405.92	436.88	405,666	405,666
Enclosed Parking with Elevator	0.00	0.00	0.00		
High Turnover (Sit Down Restaurant)	996.39	1,087.17	1266.93	1,125,350	1,125,350
Total	2,488.96	2,515.61	2,555.39	2,686,924	2,686,924

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	2.95	2.95	2.95	40.20	19.20	40.60	100	0	0

Affinity-Exchange Project - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Condo/Townhouse High Rise	2.95	2.95	2.95	40.20	19.20	40.60	100	0	0
Congregate Care (Assisted Living)	2.95	2.95	2.95	40.20	19.20	40.60	100	0	0
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
High Turnover (Sit Down Restaurant)	2.95	2.95	2.95	8.50	72.50	19.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.733946	0.080432	0.080432	0.070378	0.000905	0.000905	0.000905	0.000905	0.000938	0.000594	0.025612	0.000712	0.003336
Condo/Townhouse High Rise	0.733946	0.080432	0.080432	0.070378	0.000905	0.000905	0.000905	0.000905	0.000938	0.000594	0.025612	0.000712	0.003336
Congregate Care (Assisted Living)	0.733946	0.080432	0.080432	0.070378	0.000905	0.000905	0.000905	0.000905	0.000938	0.000594	0.025612	0.000712	0.003336
Enclosed Parking with Elevator	0.733946	0.080432	0.080432	0.070378	0.000905	0.000905	0.000905	0.000905	0.000938	0.000594	0.025612	0.000712	0.003336
High Turnover (Sit Down Restaurant)	0.733946	0.080432	0.080432	0.070378	0.000905	0.000905	0.000905	0.000905	0.000938	0.000594	0.025612	0.000712	0.003336

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.1329	1.1438	0.5439	7.2500e-003		0.0918	0.0918		0.0918	0.0918			1,449.6324	0.0278	0.0266	1,458.2468
NaturalGas Unmitigated	0.1329	1.1438	0.5439	7.2500e-003		0.0918	0.0918		0.0918	0.0918			1,449.6324	0.0278	0.0266	1,458.2468

5.2 Energy by Land Use - NaturalGas

Affinity-Exchange Project - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**Unmitigated**

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	2609.55	0.0281	0.2405	0.1023	1.5400e-003		0.0194	0.0194		0.0194	0.0194			307.0064	5.8800e-003	5.6300e-003	308.8308
Condo/Townhouse High Rise	5695.67	0.0614	0.5249	0.2234	3.3500e-003		0.0424	0.0424		0.0424	0.0424			670.0794	0.0128	0.0123	674.0613
Congregate Care (Assisted Living)	2609.52	0.0281	0.2405	0.1023	1.5400e-003		0.0194	0.0194		0.0194	0.0194			307.0027	5.8800e-003	5.6300e-003	308.8270
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
High Turnover (Sit Down Restaurant)	1407.12	0.0152	0.1380	0.1159	8.3000e-004		0.0105	0.0105		0.0105	0.0105			165.5439	3.1700e-003	3.0300e-003	166.5277
Total		0.1329	1.1438	0.5439	7.2600e-003		0.0918	0.0918		0.0918	0.0918			1,449.6324	0.0278	0.0266	1,458.2468

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	2.60955	0.0281	0.2405	0.1023	1.5400e-003		0.0194	0.0194		0.0194	0.0194			307.0064	5.8800e-003	5.6300e-003	308.8308
Condo/Townhouse High Rise	5.69567	0.0614	0.5249	0.2234	3.3500e-003		0.0424	0.0424		0.0424	0.0424			670.0794	0.0128	0.0123	674.0613
Congregate Care (Assisted Living)	2.60952	0.0281	0.2405	0.1023	1.5400e-003		0.0194	0.0194		0.0194	0.0194			307.0027	5.8800e-003	5.6300e-003	308.8270
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
High Turnover (Sit Down Restaurant)	1.40712	0.0152	0.1380	0.1159	8.3000e-004		0.0105	0.0105		0.0105	0.0105			165.5439	3.1700e-003	3.0300e-003	166.5277

Affinity-Exchange Project - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Total		0.1329	1.1438	0.5439	7.2600e-003		0.0918	0.0918		0.0918	0.0918			1,449.6324	0.0278	0.0266	1,458.2468
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6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	9.2652	0.3574	31.0337	1.6400e-003		0.1721	0.1721		0.1721	0.1721			55.9472	0.0537	0.0000	57.2903
Unmitigated	9.2652	0.3574	31.0337	1.6400e-003		0.1721	0.1721		0.1721	0.1721			55.9472	0.0537	0.0000	57.2903

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.6835					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	7.6473					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000

Affinity-Exchange Project - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Landscaping	0.9344	0.3574	31.0337	1.6400e-003		0.1721	0.1721		0.1721	0.1721			55.9472	0.0537		57.2903
Total	9.2652	0.3574	31.0337	1.6400e-003		0.1721	0.1721		0.1721	0.1721			55.9472	0.0537	0.0000	57.2903

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.6835					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	7.6473					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Landscaping	0.9344	0.3574	31.0337	1.6400e-003		0.1721	0.1721		0.1721	0.1721			55.9472	0.0537		57.2903
Total	9.2652	0.3574	31.0337	1.6400e-003		0.1721	0.1721		0.1721	0.1721			55.9472	0.0537	0.0000	57.2903

7.0 Water Detail**7.1 Mitigation Measures Water****8.0 Waste Detail****8.1 Mitigation Measures Waste**

Institute Recycling and Composting Services

9.0 Operational Offroad

Affinity-Exchange Project - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment**Fire Pumps and Emergency Generators**

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	2	1	52	215	0.73	Diesel

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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10.1 Stationary Sources**Unmitigated/Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	lb/day										lb/day					
Emergency Generator	0.7057	1.9723	1.7993	3.3900e-003		0.1038	0.1038		0.1038	0.1038			360.9911	0.0506		362.2564
Total	0.7057	1.9723	1.7993	3.3900e-003		0.1038	0.1038		0.1038	0.1038			360.9911	0.0506		362.2564

11.0 Vegetation

Affinity-Exchange Project - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**Affinity-Exchange Project
Los Angeles-South Coast County, Annual****1.0 Project Characteristics****1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	415.06	1000sqft	0.20	415,063.00	0
High Turnover (Sit Down Restaurant)	3.00	1000sqft	0.02	3,000.00	0
Apartments Mid Rise	93.00	Dwelling Unit	0.45	93,000.00	109
Condo/Townhouse High Rise	197.00	Dwelling Unit	0.88	197,000.00	493
Congregate Care (Assisted Living)	86.00	Dwelling Unit	0.45	85,800.00	113

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	9			Operational Year	2026
Utility Company	Pasadena Water and Power				
CO2 Intensity (lb/MWhr)	802	CH4 Intensity (lb/MWhr)	0	N2O Intensity (lb/MWhr)	0

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CO2 Intensity Factor for 2026, per 2020 Power Content Label and what is legally required
<https://ww5.cityofpasadena.net/water-and-power/wp-content/uploads/sites/54/2021/08/2020-Power-Content-Label-for-Website.pdf>

Land Use - Data from project description

Lot acreage estimates

Construction Phase - Project schedule per client

Off-road Equipment - 2 buildings

Off-road Equipment - Const equipment by client - 2 buildings

Off-road Equipment - Const equipment by client

Affinity-Exchange Project - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Off-road Equipment - Const equipment by client

Off-road Equipment - Const equipment by client

Trips and VMT - Haul trips and distance per client

Demolition -

Grading - .

Vehicle Trips - Trip rates per TIA and to account for increased trips from converted use (in high-turnover land use). Apt Mid rise is trip generation rate for sr adult housing (independent living). VMT per Pasadena DOT traffic study.

Woodstoves - No fireplaces

Energy Use - Provided by Applicant. High Turnover also includes electrical and NG consumption for converted uses

Water And Wastewater - Water use per City Will Serve letter. High turnover land use includes water for converted uses

Construction Off-road Equipment Mitigation -

Energy Mitigation -

Waste Mitigation -

Fleet Mix - .

Stationary Sources - Emergency Generators and Fire Pumps - 2 -200 KVA emerg generators

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	66.00
tblConstructionPhase	NumDays	2.00	26.00
tblConstructionPhase	NumDays	4.00	108.00
tblConstructionPhase	NumDays	200.00	640.00
tblConstructionPhase	NumDays	10.00	53.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblEnergyUse	LightingElect	741.44	869.67
tblEnergyUse	LightingElect	1,001.10	1,320.98

Affinity-Exchange Project - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblEnergyUse	LightingElect	741.44	940.46
tblEnergyUse	LightingElect	7.87	92.17
tblEnergyUse	NT24E	3,054.10	3,582.31
tblEnergyUse	NT24E	3,054.10	4,029.96
tblEnergyUse	NT24E	3,054.10	3,873.90
tblEnergyUse	NT24E	28.16	329.80
tblEnergyUse	NT24NG	6,384.00	5,003.90
tblEnergyUse	NT24NG	6,384.00	5,155.90
tblEnergyUse	NT24NG	6,384.00	5,411.10
tblEnergyUse	NT24NG	187.78	139.60
tblEnergyUse	T24E	53.81	63.12
tblEnergyUse	T24E	53.81	71.00
tblEnergyUse	T24E	53.81	68.25
tblEnergyUse	T24E	7.24	28.65
tblEnergyUse	T24NG	6,682.59	5,237.90
tblEnergyUse	T24NG	6,682.59	5,397.00
tblEnergyUse	T24NG	6,682.59	5,664.20
tblEnergyUse	T24NG	42.55	31.60
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	79.05	0.00
tblFireplaces	NumberGas	167.45	0.00
tblFireplaces	NumberGas	73.10	0.00
tblFireplaces	NumberNoFireplace	9.30	0.00
tblFireplaces	NumberNoFireplace	19.70	0.00

Affinity-Exchange Project - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblFireplaces	NumberNoFireplace	8.60	0.00
tblFireplaces	NumberWood	4.65	0.00
tblFireplaces	NumberWood	9.85	0.00
tblFireplaces	NumberWood	4.30	0.00
tblFleetMix	HHD	8.0840e-003	9.0486e-004
tblFleetMix	HHD	8.0840e-003	9.0486e-004
tblFleetMix	HHD	8.0840e-003	9.0486e-004
tblFleetMix	HHD	8.0840e-003	9.0486e-004
tblFleetMix	HHD	8.0840e-003	9.0486e-004
tblFleetMix	LDA	0.54	0.73
tblFleetMix	LDA	0.54	0.73
tblFleetMix	LDA	0.54	0.73
tblFleetMix	LDA	0.54	0.73
tblFleetMix	LDA	0.54	0.73
tblFleetMix	LDT1	0.07	0.08
tblFleetMix	LDT1	0.07	0.08
tblFleetMix	LDT1	0.07	0.08
tblFleetMix	LDT1	0.07	0.08
tblFleetMix	LDT1	0.07	0.08
tblFleetMix	LDT2	0.19	0.08
tblFleetMix	LDT2	0.19	0.08
tblFleetMix	LDT2	0.19	0.08
tblFleetMix	LDT2	0.19	0.08
tblFleetMix	LDT2	0.19	0.08
tblFleetMix	LHD1	0.02	9.0486e-004
tblFleetMix	LHD1	0.02	9.0486e-004
tblFleetMix	LHD1	0.02	9.0486e-004
tblFleetMix	LHD1	0.02	9.0486e-004
tblFleetMix	LHD1	0.02	9.0486e-004

Affinity-Exchange Project - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblFleetMix	LHD2	6.5180e-003	9.0486e-004
tblFleetMix	LHD2	6.5180e-003	9.0486e-004
tblFleetMix	LHD2	6.5180e-003	9.0486e-004
tblFleetMix	LHD2	6.5180e-003	9.0486e-004
tblFleetMix	LHD2	6.5180e-003	9.0486e-004
tblFleetMix	MCY	0.03	0.03
tblFleetMix	MCY	0.03	0.03
tblFleetMix	MCY	0.03	0.03
tblFleetMix	MCY	0.03	0.03
tblFleetMix	MCY	0.03	0.03
tblFleetMix	MDV	0.13	0.07
tblFleetMix	MDV	0.13	0.07
tblFleetMix	MDV	0.13	0.07
tblFleetMix	MDV	0.13	0.07
tblFleetMix	MDV	0.13	0.07
tblFleetMix	MH	3.3180e-003	3.3359e-003
tblFleetMix	MH	3.3180e-003	3.3359e-003
tblFleetMix	MH	3.3180e-003	3.3359e-003
tblFleetMix	MH	3.3180e-003	3.3359e-003
tblFleetMix	MH	3.3180e-003	3.3359e-003
tblFleetMix	MHD	0.01	9.0486e-004
tblFleetMix	MHD	0.01	9.0486e-004
tblFleetMix	MHD	0.01	9.0486e-004
tblFleetMix	MHD	0.01	9.0486e-004
tblFleetMix	MHD	0.01	9.0486e-004
tblFleetMix	OBUS	9.3300e-004	9.3804e-004
tblFleetMix	OBUS	9.3300e-004	9.3804e-004
tblFleetMix	OBUS	9.3300e-004	9.3804e-004
tblFleetMix	OBUS	9.3300e-004	9.3804e-004

Affinity-Exchange Project - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblFleetMix	OBUS	9.3300e-004	9.3804e-004
tblFleetMix	SBUS	7.0800e-004	7.1183e-004
tblFleetMix	SBUS	7.0800e-004	7.1183e-004
tblFleetMix	SBUS	7.0800e-004	7.1183e-004
tblFleetMix	SBUS	7.0800e-004	7.1183e-004
tblFleetMix	SBUS	7.0800e-004	7.1183e-004
tblFleetMix	UBUS	5.9100e-004	5.9419e-004
tblFleetMix	UBUS	5.9100e-004	5.9419e-004
tblFleetMix	UBUS	5.9100e-004	5.9419e-004
tblFleetMix	UBUS	5.9100e-004	5.9419e-004
tblFleetMix	UBUS	5.9100e-004	5.9419e-004
tblGrading	MaterialExported	0.00	147,211.00
tblGrading	MaterialExported	0.00	480.00
tblLandUse	LandUseSquareFeet	415,060.00	415,063.00
tblLandUse	LandUseSquareFeet	86,000.00	85,800.00
tblLandUse	LotAcreage	9.53	0.20
tblLandUse	LotAcreage	0.07	0.02
tblLandUse	LotAcreage	2.45	0.45
tblLandUse	LotAcreage	3.08	0.88
tblLandUse	LotAcreage	5.38	0.45
tblLandUse	Population	266.00	109.00
tblLandUse	Population	563.00	493.00
tblLandUse	Population	246.00	113.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00

Affinity-Exchange Project - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	UsageHours	6.00	12.00
tblOffRoadEquipment	UsageHours	6.00	12.00
tblOffRoadEquipment	UsageHours	8.00	12.00
tblOffRoadEquipment	UsageHours	6.00	12.00
tblOffRoadEquipment	UsageHours	8.00	12.00
tblOffRoadEquipment	UsageHours	7.00	12.00
tblOffRoadEquipment	UsageHours	8.00	12.00
tblOffRoadEquipment	UsageHours	8.00	12.00
tblProjectCharacteristics	CH4IntensityFactor	0.033	0
tblProjectCharacteristics	CO2IntensityFactor	872.98	802
tblProjectCharacteristics	N2OIntensityFactor	0.004	0
tblStationaryGeneratorsPumpsUse	HorsePowerValue	0.00	215.00
tblStationaryGeneratorsPumpsUse	HoursPerDay	0.00	1.00
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	52.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	2.00
tblTripsAndVMT	HaulingTripLength	20.00	5.00
tblTripsAndVMT	HaulingTripLength	20.00	5.00
tblTripsAndVMT	HaulingTripLength	20.00	5.00
tblTripsAndVMT	HaulingTripLength	20.00	5.00
tblTripsAndVMT	HaulingTripLength	20.00	5.00
tblTripsAndVMT	HaulingTripNumber	209.00	300.00
tblTripsAndVMT	HaulingTripNumber	18,401.00	21,030.00
tblTripsAndVMT	VendorTripNumber	109.00	6.00
tblTripsAndVMT	WorkerTripNumber	10.00	13.00
tblTripsAndVMT	WorkerTripNumber	10.00	8.00

Affinity-Exchange Project - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblTripsAndVMT	WorkerTripNumber	23.00	10.00
tblTripsAndVMT	WorkerTripNumber	446.00	150.00
tblTripsAndVMT	WorkerTripNumber	89.00	30.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	2.95
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	2.95
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	2.95
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	DV_TP	20.00	0.00
tblVehicleTrips	HO_TL	8.70	2.95
tblVehicleTrips	HO_TL	8.70	2.95
tblVehicleTrips	HO_TL	8.70	2.95
tblVehicleTrips	HS_TL	5.90	2.95
tblVehicleTrips	HS_TL	5.90	2.95
tblVehicleTrips	HS_TL	5.90	2.95
tblVehicleTrips	HW_TL	14.70	2.95
tblVehicleTrips	HW_TL	14.70	2.95
tblVehicleTrips	HW_TL	14.70	2.95
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	43.00	0.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	PR_TP	86.00	100.00

Affinity-Exchange Project - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblVehicleTrips	PR_TP	37.00	100.00
tblVehicleTrips	ST_TR	4.91	2.67
tblVehicleTrips	ST_TR	4.91	3.93
tblVehicleTrips	ST_TR	2.93	4.72
tblVehicleTrips	ST_TR	122.40	362.39
tblVehicleTrips	SU_TR	4.09	2.23
tblVehicleTrips	SU_TR	4.09	3.27
tblVehicleTrips	SU_TR	3.15	5.08
tblVehicleTrips	SU_TR	142.64	422.31
tblVehicleTrips	WD_TR	5.44	2.96
tblVehicleTrips	WD_TR	5.44	4.35
tblVehicleTrips	WD_TR	2.60	4.19
tblVehicleTrips	WD_TR	112.18	332.13
tblWater	IndoorWaterUseRate	6,059,324.38	2,122,475.00
tblWater	IndoorWaterUseRate	12,835,343.05	7,555,500.00
tblWater	IndoorWaterUseRate	5,603,246.20	2,122,475.00
tblWater	IndoorWaterUseRate	910,601.14	5,835,620.00
tblWater	OutdoorWaterUseRate	3,820,008.85	102,200.00
tblWater	OutdoorWaterUseRate	8,091,846.70	102,200.00
tblWater	OutdoorWaterUseRate	3,532,481.30	102,200.00
tblWater	OutdoorWaterUseRate	0.00	102,200.00
tblWater	OutdoorWaterUseRate	58,123.48	102,200.00
tblWoodstoves	NumberCatalytic	4.65	0.00
tblWoodstoves	NumberCatalytic	9.85	0.00
tblWoodstoves	NumberCatalytic	4.30	0.00
tblWoodstoves	NumberNoncatalytic	4.65	0.00
tblWoodstoves	NumberNoncatalytic	9.85	0.00
tblWoodstoves	NumberNoncatalytic	4.30	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00

Affinity-Exchange Project - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary**2.1 Overall Construction****Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2023	0.3901	3.7299	4.0702	0.0103	0.1326	0.1424	0.2750	0.0321	0.1347	0.1669			917.5176	0.1854	0.0296	930.9563
2024	0.8180	6.1389	8.9318	0.0165	0.2640	0.2612	0.5252	0.0703	0.2548	0.3250			1,422.7645	0.1728	7.4000e-003	1,429.2904
2025	1.6011	5.1102	7.8841	0.0146	0.2368	0.2017	0.4385	0.0630	0.1967	0.2597			1,261.8100	0.1489	6.2500e-003	1,267.3945
2026	0.3348	0.0325	0.0565	1.0000e-004	2.3000e-003	1.4500e-003	3.7600e-003	6.1000e-004	1.4500e-003	2.0600e-003			8.8816	4.3000e-004	4.0000e-005	8.9039
Maximum	1.6011	6.1389	8.9318	0.0165	0.2640	0.2612	0.5252	0.0703	0.2548	0.3250			1,422.7645	0.1854	0.0296	1,429.2904

Mitigated Construction

Affinity-Exchange Project - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2023	0.3901	3.7299	4.0702	0.0103	0.1137	0.1424	0.2561	0.0293	0.1347	0.1640			917.5167	0.1854	0.0296	930.9555
2024	0.8180	6.1389	8.9318	0.0165	0.2640	0.2612	0.5252	0.0703	0.2548	0.3250			1,422.7631	0.1728	7.4000e-003	1,429.2889
2025	1.6011	5.1102	7.8841	0.0146	0.2368	0.2017	0.4385	0.0630	0.1967	0.2597			1,261.8088	0.1489	6.2500e-003	1,267.3932
2026	0.3348	0.0325	0.0565	1.0000e-004	2.3000e-003	1.4500e-003	3.7600e-003	6.1000e-004	1.4500e-003	2.0600e-003			8.8816	4.3000e-004	4.0000e-005	8.9039
Maximum	1.6011	6.1389	8.9318	0.0165	0.2640	0.2612	0.5252	0.0703	0.2548	0.3250			1,422.7631	0.1854	0.0296	1,429.2889

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	2.97	0.00	1.52	1.72	0.00	0.38	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	3-13-2023	6-12-2023	0.5536	0.5536
2	6-13-2023	9-12-2023	1.4491	1.4491
3	9-13-2023	12-12-2023	1.7212	1.7212
4	12-13-2023	3-12-2024	1.7528	1.7528
5	3-13-2024	6-12-2024	1.7459	1.7459
6	6-13-2024	9-12-2024	1.7453	1.7453
7	9-13-2024	12-12-2024	1.7287	1.7287
8	12-13-2024	3-12-2025	1.6253	1.6253
9	3-13-2025	6-12-2025	1.6359	1.6359
10	6-13-2025	9-12-2025	1.6353	1.6353
11	9-13-2025	12-12-2025	1.7464	1.7464
12	12-13-2025	3-12-2026	0.7872	0.7872

Affinity-Exchange Project - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Highest

1.7528

1.7528

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	1.6372	0.0447	3.8792	2.1000e-004		0.0215	0.0215		0.0215	0.0215			6.3443	6.0900e-003	0.0000	6.4966
Energy	0.0243	0.2088	0.0993	1.3200e-003		0.0168	0.0168		0.0168	0.0168			2,247.2500	4.6000e-003	4.4000e-003	2,248.6762
Mobile	0.7286	0.3941	5.3969	8.2100e-003	1.0019	6.7200e-003	1.0086	0.2662	6.2000e-003	0.2724			784.2732	0.0826	0.0383	797.7577
Stationary	0.0184	0.0513	0.0468	9.0000e-005		2.7000e-003	2.7000e-003		2.7000e-003	2.7000e-003			8.5146	1.1900e-003	0.0000	8.5445
Waste						0.0000	0.0000		0.0000	0.0000			50.2545	2.9700	0.0000	124.5033
Water						0.0000	0.0000		0.0000	0.0000			91.1988	0.5747	0.0136	109.6092
Total	2.4084	0.6988	9.4221	9.8300e-003	1.0019	0.0477	1.0496	0.2662	0.0472	0.3134			3,187.8354	3.6391	0.0563	3,295.5876

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Affinity-Exchange Project - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Area	1.6372	0.0447	3.8792	2.1000e-004		0.0215	0.0215		0.0215	0.0215			6.3443	6.0900e-003	0.0000	6.4966
Energy	0.0243	0.2088	0.0993	1.3200e-003		0.0168	0.0168		0.0168	0.0168			2,247.2500	4.6000e-003	4.4000e-003	2,248.6762
Mobile	0.7286	0.3941	5.3969	8.2100e-003	1.0019	6.7200e-003	1.0086	0.2662	6.2000e-003	0.2724			784.2732	0.0826	0.0383	797.7577
Stationary	0.0184	0.0513	0.0468	9.0000e-005		2.7000e-003	2.7000e-003		2.7000e-003	2.7000e-003			8.5146	1.1900e-003	0.0000	8.5445
Waste						0.0000	0.0000		0.0000	0.0000			25.1272	1.4850	0.0000	62.2517
Water						0.0000	0.0000		0.0000	0.0000			91.1988	0.5747	0.0136	109.6092
Total	2.4084	0.6988	9.4221	9.8300e-003	1.0019	0.0477	1.0496	0.2662	0.0472	0.3134			3,162.7082	2.1541	0.0563	3,233.3359

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.79	40.81	0.00	1.89

3.0 Construction Detail**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	3/13/2023	5/27/2023	6	66	
2	Site Preparation	Site Preparation	5/28/2023	6/27/2023	6	26	
3	Grading	Grading	6/28/2023	10/31/2023	6	108	
4	Building Construction	Building Construction	11/1/2023	11/15/2025	6	640	
5	Architectural Coating	Architectural Coating	11/16/2025	1/16/2026	6	53	

Acres of Grading (Site Preparation Phase): 0**Acres of Grading (Grading Phase): 0****Acres of Paving: 0.2**

Affinity-Exchange Project - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**Residential Indoor: 760,995; Residential Outdoor: 253,665; Non-Residential Indoor: 4,500; Non-Residential Outdoor: 1,500; Striped Parking Area:****OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Excavators	1	12.00	158	0.38
Demolition	Off-Highway Trucks	1	12.00	402	0.38
Demolition	Rubber Tired Dozers	0	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	2	12.00	97	0.37
Site Preparation	Excavators	1	12.00	158	0.38
Site Preparation	Graders	0	8.00	187	0.41
Site Preparation	Off-Highway Trucks	1	12.00	402	0.38
Site Preparation	Rubber Tired Dozers	0	7.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	2	12.00	97	0.37
Grading	Bore/Drill Rigs	2	12.00	221	0.50
Grading	Cranes	2	12.00	231	0.29
Grading	Excavators	1	12.00	158	0.38
Grading	Generator Sets	1	12.00	84	0.74
Grading	Graders	0	8.00	187	0.41
Grading	Plate Compactors	1	12.00	8	0.43
Grading	Rubber Tired Dozers	0	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	12.00	97	0.37
Building Construction	Air Compressors	2	12.00	78	0.48
Building Construction	Cranes	1	12.00	231	0.29
Building Construction	Excavators	1	12.00	158	0.38
Building Construction	Forklifts	0	6.00	89	0.20
Building Construction	Generator Sets	1	12.00	84	0.74
Building Construction	Pumps	3	12.00	84	0.74
Building Construction	Skid Steer Loaders	2	12.00	65	0.37

Affinity-Exchange Project - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Building Construction	Tractors/Loaders/Backhoes	1	12.00	97	0.37
Building Construction	Welders	3	12.00	46	0.45
Architectural Coating	Air Compressors	2	12.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	4	13.00	0.00	300.00	14.70	6.90	5.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	4	8.00	0.00	60.00	14.70	6.90	5.00	LD_Mix	HDT_Mix	HHDT
Grading	9	10.00	0.00	21,030.00	14.70	6.90	5.00	LD_Mix	HDT_Mix	HHDT
Building Construction	14	150.00	6.00	0.00	14.70	6.90	5.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	2	30.00	0.00	0.00	14.70	6.90	5.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 2023**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0226	0.0000	0.0226	3.4200e-003	0.0000	3.4200e-003			0.0000	0.0000	0.0000	0.0000
Off-Road	0.0493	0.4053	0.5449	1.2200e-003		0.0176	0.0176		0.0162	0.0162			107.0168	0.0346	0.0000	107.8820
Total	0.0493	0.4053	0.5449	1.2200e-003	0.0226	0.0176	0.0402	3.4200e-003	0.0162	0.0197			107.0168	0.0346	0.0000	107.8820

Affinity-Exchange Project - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.9000e-004	7.2500e-003	3.0100e-003	2.0000e-005	6.5000e-004	3.0000e-005	6.8000e-004	1.8000e-004	3.0000e-005	2.1000e-004			2.4751	1.3000e-004	3.9000e-004	2.5954
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Worker	1.3600e-003	1.0800e-003	0.0147	4.0000e-005	4.7000e-003	3.0000e-005	4.7300e-003	1.2500e-003	3.0000e-005	1.2800e-003			3.7888	1.0000e-004	1.0000e-004	3.8203
Total	1.5500e-003	8.3300e-003	0.0177	6.0000e-005	5.3500e-003	6.0000e-005	5.4100e-003	1.4300e-003	6.0000e-005	1.4900e-003			6.2639	2.3000e-004	4.9000e-004	6.4157

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					8.8100e-003	0.0000	8.8100e-003	1.3300e-003	0.0000	1.3300e-003			0.0000	0.0000	0.0000	0.0000
Off-Road	0.0493	0.4053	0.5449	1.2200e-003		0.0176	0.0176		0.0162	0.0162			107.0166	0.0346	0.0000	107.8819
Total	0.0493	0.4053	0.5449	1.2200e-003	8.8100e-003	0.0176	0.0265	1.3300e-003	0.0162	0.0176			107.0166	0.0346	0.0000	107.8819

Affinity-Exchange Project - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.9000e-004	7.2500e-003	3.0100e-003	2.0000e-005	6.5000e-004	3.0000e-005	6.8000e-004	1.8000e-004	3.0000e-005	2.1000e-004			2.4751	1.3000e-004	3.9000e-004	2.5954
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Worker	1.3600e-003	1.0800e-003	0.0147	4.0000e-005	4.7000e-003	3.0000e-005	4.7300e-003	1.2500e-003	3.0000e-005	1.2800e-003			3.7888	1.0000e-004	1.0000e-004	3.8203
Total	1.5500e-003	8.3300e-003	0.0177	6.0000e-005	5.3500e-003	6.0000e-005	5.4100e-003	1.4300e-003	6.0000e-005	1.4900e-003			6.2639	2.3000e-004	4.9000e-004	6.4157

3.3 Site Preparation - 2023**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					3.0000e-005	0.0000	3.0000e-005	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Off-Road	0.0194	0.1597	0.2147	4.8000e-004		6.9500e-003	6.9500e-003		6.3900e-003	6.3900e-003			42.1581	0.0136	0.0000	42.4990
Total	0.0194	0.1597	0.2147	4.8000e-004	3.0000e-005	6.9500e-003	6.9800e-003	0.0000	6.3900e-003	6.3900e-003			42.1581	0.0136	0.0000	42.4990

Affinity-Exchange Project - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.0000e-005	1.4500e-003	6.0000e-004	0.0000	1.3000e-004	1.0000e-005	1.4000e-004	4.0000e-005	1.0000e-005	4.0000e-005			0.4950	3.0000e-005	8.0000e-005	0.5191
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Worker	3.3000e-004	2.6000e-004	3.5500e-003	1.0000e-005	1.1400e-003	1.0000e-005	1.1500e-003	3.0000e-004	1.0000e-005	3.1000e-004			0.9185	2.0000e-005	2.0000e-005	0.9261
Total	3.7000e-004	1.7100e-003	4.1500e-003	1.0000e-005	1.2700e-003	2.0000e-005	1.2900e-003	3.4000e-004	2.0000e-005	3.5000e-004			1.4135	5.0000e-005	1.0000e-004	1.4452

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Off-Road	0.0194	0.1597	0.2147	4.8000e-004		6.9500e-003	6.9500e-003		6.3900e-003	6.3900e-003			42.1581	0.0136	0.0000	42.4989
Total	0.0194	0.1597	0.2147	4.8000e-004	1.0000e-005	6.9500e-003	6.9600e-003	0.0000	6.3900e-003	6.3900e-003			42.1581	0.0136	0.0000	42.4989

Mitigated Construction Off-Site

Affinity-Exchange Project - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.0000e-005	1.4500e-003	6.0000e-004	0.0000	1.3000e-004	1.0000e-005	1.4000e-004	4.0000e-005	1.0000e-005	4.0000e-005			0.4950	3.0000e-005	8.0000e-005	0.5191
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Worker	3.3000e-004	2.6000e-004	3.5500e-003	1.0000e-005	1.1400e-003	1.0000e-005	1.1500e-003	3.0000e-004	1.0000e-005	3.1000e-004			0.9185	2.0000e-005	2.0000e-005	0.9261
Total	3.7000e-004	1.7100e-003	4.1500e-003	1.0000e-005	1.2700e-003	2.0000e-005	1.2900e-003	3.4000e-004	2.0000e-005	3.5000e-004			1.4135	5.0000e-005	1.0000e-004	1.4452

3.4 Grading - 2023**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					8.3200e-003	0.0000	8.3200e-003	1.2600e-003	0.0000	1.2600e-003			0.0000	0.0000	0.0000	0.0000
Off-Road	0.1596	1.5631	1.5661	3.9600e-003		0.0661	0.0661		0.0617	0.0617			346.0426	0.0986	0.0000	348.5068
Total	0.1596	1.5631	1.5661	3.9600e-003	8.3200e-003	0.0661	0.0744	1.2600e-003	0.0617	0.0630			346.0426	0.0986	0.0000	348.5068

Unmitigated Construction Off-Site

Affinity-Exchange Project - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0136	0.5081	0.2113	1.7400e-003	0.0454	2.2500e-003	0.0477	0.0125	2.1600e-003	0.0146			173.5039	8.9900e-003	0.0275	181.9351
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Worker	1.7100e-003	1.3600e-003	0.0185	5.0000e-005	5.9200e-003	4.0000e-005	5.9500e-003	1.5700e-003	3.0000e-005	1.6100e-003			4.7692	1.3000e-004	1.2000e-004	4.8088
Total	0.0153	0.5095	0.2297	1.7900e-003	0.0513	2.2900e-003	0.0536	0.0141	2.1900e-003	0.0163			178.2731	9.1200e-003	0.0277	186.7439

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					3.2500e-003	0.0000	3.2500e-003	4.9000e-004	0.0000	4.9000e-004			0.0000	0.0000	0.0000	0.0000
Off-Road	0.1596	1.5631	1.5661	3.9600e-003		0.0661	0.0661		0.0617	0.0617			346.0421	0.0986	0.0000	348.5063
Total	0.1596	1.5631	1.5661	3.9600e-003	3.2500e-003	0.0661	0.0694	4.9000e-004	0.0617	0.0622			346.0421	0.0986	0.0000	348.5063

Mitigated Construction Off-Site

Affinity-Exchange Project - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0136	0.5081	0.2113	1.7400e-003	0.0454	2.2500e-003	0.0477	0.0125	2.1600e-003	0.0146			173.5039	8.9900e-003	0.0275	181.9351
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Worker	1.7100e-003	1.3600e-003	0.0185	5.0000e-005	5.9200e-003	4.0000e-005	5.9500e-003	1.5700e-003	3.0000e-005	1.6100e-003			4.7692	1.3000e-004	1.2000e-004	4.8088
Total	0.0153	0.5095	0.2297	1.7900e-003	0.0513	2.2900e-003	0.0536	0.0141	2.1900e-003	0.0163			178.2731	9.1200e-003	0.0277	186.7439

3.5 Building Construction - 2023**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1320	1.0662	1.3573	2.3400e-003		0.0490	0.0490		0.0479	0.0479			199.0693	0.0281	0.0000	199.7729
Total	0.1320	1.0662	1.3573	2.3400e-003		0.0490	0.0490		0.0479	0.0479			199.0693	0.0281	0.0000	199.7729

Unmitigated Construction Off-Site

Affinity-Exchange Project - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	1.8000e-004	6.2900e-003	2.3500e-003	3.0000e-005	9.8000e-004	3.0000e-005	1.0100e-003	2.8000e-004	3.0000e-005	3.1000e-004			2.8364	9.0000e-005	4.1000e-004	2.9604
Worker	0.0124	9.8300e-003	0.1332	3.7000e-004	0.0427	2.6000e-004	0.0430	0.0114	2.4000e-004	0.0116			34.4439	9.0000e-004	8.9000e-004	34.7304
Total	0.0126	0.0161	0.1356	4.0000e-004	0.0437	2.9000e-004	0.0440	0.0116	2.7000e-004	0.0119			37.2803	9.9000e-004	1.3000e-003	37.6908

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1320	1.0662	1.3573	2.3400e-003		0.0490	0.0490		0.0479	0.0479			199.0691	0.0281	0.0000	199.7726
Total	0.1320	1.0662	1.3573	2.3400e-003		0.0490	0.0490		0.0479	0.0479			199.0691	0.0281	0.0000	199.7726

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Affinity-Exchange Project - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	1.8000e-004	6.2900e-003	2.3500e-003	3.0000e-005	9.8000e-004	3.0000e-005	1.0100e-003	2.8000e-004	3.0000e-005	3.1000e-004			2.8364	9.0000e-005	4.1000e-004	2.9604
Worker	0.0124	9.8300e-003	0.1332	3.7000e-004	0.0427	2.6000e-004	0.0430	0.0114	2.4000e-004	0.0116			34.4439	9.0000e-004	8.9000e-004	34.7304
Total	0.0126	0.0161	0.1356	4.0000e-004	0.0437	2.9000e-004	0.0440	0.0116	2.7000e-004	0.0119			37.2803	9.9000e-004	1.3000e-003	37.6908

3.5 Building Construction - 2024**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.7472	6.0478	8.1685	0.0142		0.2595	0.2595		0.2532	0.2532			1,202.1793	0.1673	0.0000	1,206.3618
Total	0.7472	6.0478	8.1685	0.0142		0.2595	0.2595		0.2532	0.2532			1,202.1793	0.1673	0.0000	1,206.3618

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Affinity-Exchange Project - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	1.0300e-003	0.0380	0.0139	1.7000e-004	5.9400e-003	1.8000e-004	6.1200e-003	1.7100e-003	1.8000e-004	1.8900e-003			16.8707	5.7000e-004	2.4300e-003	17.6093
Worker	0.0698	0.0530	0.7494	2.1800e-003	0.2581	1.5200e-003	0.2596	0.0685	1.4000e-003	0.0699			203.7146	4.9500e-003	4.9700e-003	205.3193
Total	0.0708	0.0910	0.7633	2.3500e-003	0.2640	1.7000e-003	0.2657	0.0703	1.5800e-003	0.0718			220.5853	5.5200e-003	7.4000e-003	222.9286

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.7472	6.0478	8.1685	0.0142		0.2595	0.2595		0.2532	0.2532			1,202.1779	0.1673	0.0000	1,206.3603
Total	0.7472	6.0478	8.1685	0.0142		0.2595	0.2595		0.2532	0.2532			1,202.1779	0.1673	0.0000	1,206.3603

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000

Affinity-Exchange Project - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Vendor	1.0300e-003	0.0380	0.0139	1.7000e-004	5.9400e-003	1.8000e-004	6.1200e-003	1.7100e-003	1.8000e-004	1.8900e-003			16.8707	5.7000e-004	2.4300e-003	17.6093
Worker	0.0698	0.0530	0.7494	2.1800e-003	0.2581	1.5200e-003	0.2596	0.0685	1.4000e-003	0.0699			203.7146	4.9500e-003	4.9700e-003	205.3193
Total	0.0708	0.0910	0.7633	2.3500e-003	0.2640	1.7000e-003	0.2657	0.0703	1.5800e-003	0.0718			220.5853	5.5200e-003	7.4000e-003	222.9286

3.5 Building Construction - 2025**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.6104	4.9451	7.1039	0.0124		0.1962	0.1962		0.1913	0.1913			1,049.0720	0.1433	0.0000	1,052.6545
Total	0.6104	4.9451	7.1039	0.0124		0.1962	0.1962		0.1913	0.1913			1,049.0720	0.1433	0.0000	1,052.6545

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	8.7000e-004	0.0330	0.0119	1.5000e-004	5.1800e-003	1.6000e-004	5.3400e-003	1.5000e-003	1.5000e-004	1.6500e-003			14.4567	5.1000e-004	2.0800e-003	15.0903

Affinity-Exchange Project - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Worker	0.0570	0.0415	0.6098	1.8300e-003	0.2252	1.2700e-003	0.2265	0.0598	1.1700e-003	0.0610			173.4290	3.9000e-003	4.0500e-003	174.7330
Total	0.0579	0.0746	0.6217	1.9800e-003	0.2304	1.4300e-003	0.2318	0.0613	1.3200e-003	0.0626			187.8857	4.4100e-003	6.1300e-003	189.8233

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.6104	4.9451	7.1039	0.0124		0.1962	0.1962		0.1913	0.1913			1,049.0707	0.1433	0.0000	1,052.6532
Total	0.6104	4.9451	7.1039	0.0124		0.1962	0.1962		0.1913	0.1913			1,049.0707	0.1433	0.0000	1,052.6532

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	8.7000e-004	0.0330	0.0119	1.5000e-004	5.1800e-003	1.6000e-004	5.3400e-003	1.5000e-003	1.5000e-004	1.6500e-003			14.4567	5.1000e-004	2.0800e-003	15.0903
Worker	0.0570	0.0415	0.6098	1.8300e-003	0.2252	1.2700e-003	0.2265	0.0598	1.1700e-003	0.0610			173.4290	3.9000e-003	4.0500e-003	174.7330

Affinity-Exchange Project - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Total	0.0579	0.0746	0.6217	1.9800e-003	0.2304	1.4300e-003	0.2318	0.0613	1.3200e-003	0.0626			187.8857	4.4100e-003	6.1300e-003	189.8233
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3.6 Architectural Coating - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.9179					0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Off-Road	0.0133	0.0894	0.1411	2.3000e-004		4.0200e-003	4.0200e-003		4.0200e-003	4.0200e-003			19.9154	1.0900e-003	0.0000	19.9425
Total	0.9312	0.0894	0.1411	2.3000e-004		4.0200e-003	4.0200e-003		4.0200e-003	4.0200e-003			19.9154	1.0900e-003	0.0000	19.9425

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Worker	1.6200e-003	1.1800e-003	0.0174	5.0000e-005	6.4100e-003	4.0000e-005	6.4500e-003	1.7000e-003	3.0000e-005	1.7400e-003			4.9370	1.1000e-004	1.2000e-004	4.9742

Affinity-Exchange Project - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Total	1.6200e-003	1.1800e-003	0.0174	5.0000e-005	6.4100e-003	4.0000e-005	6.4500e-003	1.7000e-003	3.0000e-005	1.7400e-003			4.9370	1.1000e-004	1.2000e-004	4.9742
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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.9179					0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Off-Road	0.0133	0.0894	0.1411	2.3000e-004		4.0200e-003	4.0200e-003		4.0200e-003	4.0200e-003			19.9154	1.0900e-003	0.0000	19.9425
Total	0.9312	0.0894	0.1411	2.3000e-004		4.0200e-003	4.0200e-003		4.0200e-003	4.0200e-003			19.9154	1.0900e-003	0.0000	19.9425

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Worker	1.6200e-003	1.1800e-003	0.0174	5.0000e-005	6.4100e-003	4.0000e-005	6.4500e-003	1.7000e-003	3.0000e-005	1.7400e-003			4.9370	1.1000e-004	1.2000e-004	4.9742

Affinity-Exchange Project - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Total	1.6200e-003	1.1800e-003	0.0174	5.0000e-005	6.4100e-003	4.0000e-005	6.4500e-003	1.7000e-003	3.0000e-005	1.7400e-003			4.9370	1.1000e-004	1.2000e-004	4.9742
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3.6 Architectural Coating - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.3295					0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Off-Road	4.7800e-003	0.0321	0.0507	8.0000e-005		1.4400e-003	1.4400e-003		1.4400e-003	1.4400e-003			7.1491	3.9000e-004	0.0000	7.1589
Total	0.3343	0.0321	0.0507	8.0000e-005		1.4400e-003	1.4400e-003		1.4400e-003	1.4400e-003			7.1491	3.9000e-004	0.0000	7.1589

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Worker	5.5000e-004	3.9000e-004	5.8600e-003	2.0000e-005	2.3000e-003	1.0000e-005	2.3100e-003	6.1000e-004	1.0000e-005	6.2000e-004			1.7325	4.0000e-005	4.0000e-005	1.7450

Affinity-Exchange Project - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Total	5.5000e-004	3.9000e-004	5.8600e-003	2.0000e-005	2.3000e-003	1.0000e-005	2.3100e-003	6.1000e-004	1.0000e-005	6.2000e-004			1.7325	4.0000e-005	4.0000e-005	1.7450
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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.3295					0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Off-Road	4.7800e-003	0.0321	0.0507	8.0000e-005		1.4400e-003	1.4400e-003		1.4400e-003	1.4400e-003			7.1491	3.9000e-004	0.0000	7.1589
Total	0.3343	0.0321	0.0507	8.0000e-005		1.4400e-003	1.4400e-003		1.4400e-003	1.4400e-003			7.1491	3.9000e-004	0.0000	7.1589

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Worker	5.5000e-004	3.9000e-004	5.8600e-003	2.0000e-005	2.3000e-003	1.0000e-005	2.3100e-003	6.1000e-004	1.0000e-005	6.2000e-004			1.7325	4.0000e-005	4.0000e-005	1.7450

Affinity-Exchange Project - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Total	5.5000e-004	3.9000e-004	5.8600e-003	2.0000e-005	2.3000e-003	1.0000e-005	2.3100e-003	6.1000e-004	1.0000e-005	6.2000e-004			1.7325	4.0000e-005	4.0000e-005	1.7450
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4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.7286	0.3941	5.3969	8.2100e-003	1.0019	6.7200e-003	1.0086	0.2662	6.2000e-003	0.2724			784.2732	0.0826	0.0383	797.7577
Unmitigated	0.7286	0.3941	5.3969	8.2100e-003	1.0019	6.7200e-003	1.0086	0.2662	6.2000e-003	0.2724			784.2732	0.0826	0.0383	797.7577

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	275.28	248.31	207.39	281,044	281,044
Condo/Townhouse High Rise	856.95	774.21	644.19	874,863	874,863
Congregate Care (Assisted Living)	360.34	405.92	436.88	405,666	405,666
Enclosed Parking with Elevator	0.00	0.00	0.00		
High Turnover (Sit Down Restaurant)	996.39	1,087.17	1266.93	1,125,350	1,125,350
Total	2,488.96	2,515.61	2,555.39	2,686,924	2,686,924

4.3 Trip Type Information

Affinity-Exchange Project - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	2.95	2.95	2.95	40.20	19.20	40.60	100	0	0
Condo/Townhouse High Rise	2.95	2.95	2.95	40.20	19.20	40.60	100	0	0
Congregate Care (Assisted Living)	2.95	2.95	2.95	40.20	19.20	40.60	100	0	0
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
High Turnover (Sit Down Restaurant)	2.95	2.95	2.95	8.50	72.50	19.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.733946	0.080432	0.080432	0.070378	0.000905	0.000905	0.000905	0.000905	0.000938	0.000594	0.025612	0.000712	0.003336
Condo/Townhouse High Rise	0.733946	0.080432	0.080432	0.070378	0.000905	0.000905	0.000905	0.000905	0.000938	0.000594	0.025612	0.000712	0.003336
Congregate Care (Assisted Living)	0.733946	0.080432	0.080432	0.070378	0.000905	0.000905	0.000905	0.000905	0.000938	0.000594	0.025612	0.000712	0.003336
Enclosed Parking with Elevator	0.733946	0.080432	0.080432	0.070378	0.000905	0.000905	0.000905	0.000905	0.000938	0.000594	0.025612	0.000712	0.003336
High Turnover (Sit Down Restaurant)	0.733946	0.080432	0.080432	0.070378	0.000905	0.000905	0.000905	0.000905	0.000938	0.000594	0.025612	0.000712	0.003336

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000			2,007.2471	0.0000	0.0000	2,007.2471

Affinity-Exchange Project - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000			2,007.2471	0.0000	0.0000	2,007.2471
NaturalGas Mitigated	0.0243	0.2088	0.0993	1.3200e-003		0.0168	0.0168		0.0168	0.0168			240.0029	4.6000e-003	4.4000e-003	241.4291
NaturalGas Unmitigated	0.0243	0.2088	0.0993	1.3200e-003		0.0168	0.0168		0.0168	0.0168			240.0029	4.6000e-003	4.4000e-003	241.4291

5.2 Energy by Land Use - NaturalGas**Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	952487	5.1400e-003	0.0439	0.0187	2.8000e-004		3.5500e-003	3.5500e-003		3.5500e-003	3.5500e-003			50.8284	9.7000e-004	9.3000e-004	51.1304
Condo/Townhouse High Rise	2.07892e+006	0.0112	0.0958	0.0408	6.1000e-004		7.7500e-003	7.7500e-003		7.7500e-003	7.7500e-003			110.9392	2.1300e-003	2.0300e-003	111.5984
Congregate Care (Assisted Living)	952476	5.1400e-003	0.0439	0.0187	2.8000e-004		3.5500e-003	3.5500e-003		3.5500e-003	3.5500e-003			50.8277	9.7000e-004	9.3000e-004	51.1298
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
High Turnover (Sit Down Restaurant)	513600	2.7700e-003	0.0252	0.0212	1.5000e-004		1.9100e-003	1.9100e-003		1.9100e-003	1.9100e-003			27.4077	5.3000e-004	5.0000e-004	27.5705
Total		0.0243	0.2088	0.0993	1.3200e-003		0.0168	0.0168		0.0168	0.0168			240.0029	4.6000e-003	4.3900e-003	241.4291

Mitigated

Affinity-Exchange Project - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	952487	5.1400e-003	0.0439	0.0187	2.8000e-004		3.5500e-003	3.5500e-003		3.5500e-003	3.5500e-003			50.8284	9.7000e-004	9.3000e-004	51.1304
Condo/Townhouse High Rise	2.07892e+006	0.0112	0.0958	0.0408	6.1000e-004		7.7500e-003	7.7500e-003		7.7500e-003	7.7500e-003			110.9392	2.1300e-003	2.0300e-003	111.5984
Congregate Care (Assisted Living)	952476	5.1400e-003	0.0439	0.0187	2.8000e-004		3.5500e-003	3.5500e-003		3.5500e-003	3.5500e-003			50.8277	9.7000e-004	9.3000e-004	51.1298
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
High Turnover (Sit Down Restaurant)	513600	2.7700e-003	0.0252	0.0212	1.5000e-004		1.9100e-003	1.9100e-003		1.9100e-003	1.9100e-003			27.4077	5.3000e-004	5.0000e-004	27.5705
Total		0.0243	0.2088	0.0993	1.3200e-003		0.0168	0.0168		0.0168	0.0168			240.0029	4.6000e-003	4.3900e-003	241.4291

5.3 Energy by Land Use - Electricity**Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	419904	152.7532	0.0000	0.0000	152.7532
Condo/Townhouse High Rise	1.06812e+006	388.5626	0.0000	0.0000	388.5626
Congregate Care (Assisted Living)	419904	152.7533	0.0000	0.0000	152.7533
Enclosed Parking with Elevator	2.25794e+006	821.3968	0.0000	0.0000	821.3968
High Turnover (Sit Down Restaurant)	1.35186e+006	491.7811	0.0000	0.0000	491.7811
Total		2,007.2471	0.0000	0.0000	2,007.2471

Affinity-Exchange Project - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**Mitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	419904	152.7532	0.0000	0.0000	152.7532
Condo/Townhouse High Rise	1.06812e+006	388.5626	0.0000	0.0000	388.5626
Congregate Care (Assisted Living)	419904	152.7533	0.0000	0.0000	152.7533
Enclosed Parking with Elevator	2.25794e+006	821.3968	0.0000	0.0000	821.3968
High Turnover (Sit Down Restaurant)	1.35186e+006	491.7811	0.0000	0.0000	491.7811
Total		2,007.2471	0.0000	0.0000	2,007.2471

6.0 Area Detail**6.1 Mitigation Measures Area**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Affinity-Exchange Project - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Category										tons/yr						MT/yr					
Mitigated	1.6372	0.0447	3.8792	2.1000e-004		0.0215	0.0215		0.0215	0.0215			6.3443	6.0900e-003	0.0000	6.4966					
Unmitigated	1.6372	0.0447	3.8792	2.1000e-004		0.0215	0.0215		0.0215	0.0215			6.3443	6.0900e-003	0.0000	6.4966					

6.2 Area by SubCategory**Unmitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory										MT/yr						
tons/yr																
Architectural Coating	0.1247					0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Consumer Products	1.3956					0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Landscaping	0.1168	0.0447	3.8792	2.1000e-004		0.0215	0.0215		0.0215	0.0215			6.3443	6.0900e-003	0.0000	6.4966
Total	1.6372	0.0447	3.8792	2.1000e-004		0.0215	0.0215		0.0215	0.0215			6.3443	6.0900e-003	0.0000	6.4966

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Affinity-Exchange Project - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

SubCategory	tons/yr										MT/yr					
Architectural Coating	0.1247					0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Consumer Products	1.3956					0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Landscaping	0.1168	0.0447	3.8792	2.1000e-004		0.0215	0.0215		0.0215	0.0215			6.3443	6.0900e-003	0.0000	6.4966
Total	1.6372	0.0447	3.8792	2.1000e-004		0.0215	0.0215		0.0215	0.0215			6.3443	6.0900e-003	0.0000	6.4966

7.0 Water Detail**7.1 Mitigation Measures Water**

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	91.1988	0.5747	0.0136	109.6092
Unmitigated	91.1988	0.5747	0.0136	109.6092

7.2 Water by Land Use**Unmitigated**

Affinity-Exchange Project - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Indoor/Outdoor Use		Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	2.12248 / 0.1022	11.1401	0.0692	1.6300e-003	13.3558
Condo/Townhouse High Rise	7.5555 / 0.1022	38.5989	0.2462	5.8100e-003	46.4862
Congregate Care (Assisted Living)	2.12248 / 0.1022	11.1401	0.0692	1.6300e-003	13.3558
Enclosed Parking with Elevator	0 / 0.1022	0.4131	0.0000	0.0000	0.4131
High Turnover (Sit Down Restaurant)	5.83562 / 0.1022	29.9066	0.1902	4.4900e-003	35.9984
Total		91.1988	0.5747	0.0136	109.6092

Mitigated

Indoor/Outdoor Use		Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	2.12248 / 0.1022	11.1401	0.0692	1.6300e-003	13.3558
Condo/Townhouse High Rise	7.5555 / 0.1022	38.5989	0.2462	5.8100e-003	46.4862
Congregate Care (Assisted Living)	2.12248 / 0.1022	11.1401	0.0692	1.6300e-003	13.3558
Enclosed Parking with Elevator	0 / 0.1022	0.4131	0.0000	0.0000	0.4131

Affinity-Exchange Project - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

High Turnover (Sit Down Restaurant)	5.83562 / 0.1022	29.9066	0.1902	4.4900e-003	35.9984
Total		91.1988	0.5747	0.0136	109.6092

8.0 Waste Detail**8.1 Mitigation Measures Waste**

Institute Recycling and Composting Services

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	25.1272	1.4850	0.0000	62.2517
Unmitigated	50.2545	2.9700	0.0000	124.5033

8.2 Waste by Land Use**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			

Affinity-Exchange Project - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Apartments Mid Rise	42.78	8.6840	0.5132	0.0000	21.5141
Condo/Townhouse High Rise	90.62	18.3950	1.0871	0.0000	45.5729
Congregate Care (Assisted Living)	78.47	15.9287	0.9414	0.0000	39.4627
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
High Turnover (Sit Down Restaurant)	35.7	7.2468	0.4283	0.0000	17.9536
Total		50.2545	2.9700	0.0000	124.5033

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	21.39	4.3420	0.2566	0.0000	10.7571
Condo/Townhouse High Rise	45.31	9.1975	0.5436	0.0000	22.7865
Congregate Care (Assisted Living)	39.235	7.9644	0.4707	0.0000	19.7313
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
High Turnover (Sit Down Restaurant)	17.85	3.6234	0.2141	0.0000	8.9768
Total		25.1272	1.4850	0.0000	62.2517

9.0 Operational Offroad

Affinity-Exchange Project - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
----------------	--------	-----------	-----------	-------------	-------------	-----------

10.0 Stationary Equipment**Fire Pumps and Emergency Generators**

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	2	1	52	215	0.73	Diesel

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
----------------	--------	----------------	-----------------	---------------	-----------

User Defined Equipment

Equipment Type	Number
----------------	--------

10.1 Stationary Sources**Unmitigated/Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	tons/yr										MT/yr					
Emergency Generator - Diesel	0.0184	0.0513	0.0468	9.0000e-005		2.7000e-003	2.7000e-003		2.7000e-003	2.7000e-003			8.5146	1.1900e-003	0.0000	8.5445
Total	0.0184	0.0513	0.0468	9.0000e-005		2.7000e-003	2.7000e-003		2.7000e-003	2.7000e-003			8.5146	1.1900e-003	0.0000	8.5445

11.0 Vegetation



HISTORICAL RESOURCE ASSESSMENT REPORT THE AFFINITY PROJECT, PASADENA, LOS ANGELES COUNTY, CALIFORNIA

Justin Castells, M.A.

01/14/2022



LEADING
WITH
TECHNOLOGY

HISTORICAL RESOURCE ASSESSMENT OF THE AFFINITY PROJECT, PASADENA, LOS ANGELES COUNTY, CALIFORNIA

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CONTENTS

EXECUTIVE SUMMARY	4
1.0 INTRODUCTION	6
1.1 PROJECT LOCATION AND DESCRIPTION.....	7
2.0 REGULATORY CONTEXT	13
2.1 STATE	13
2.1.1 California Environmental Quality Act.....	13
2.1.2 California Register of Historical Resources.....	14
2.2 LOCAL	14
2.2.1 City of Pasadena Historic Preservation Ordinance	14
3.0 RESEARCH METHODS.....	17
3.1 RECORDS SEARCH	17
3.1.1 Project Area	17
3.1.2 Project Vicinity.....	18
3.2 ADDITIONAL SOURCES	19
4.0 HISTORICAL OVERVIEW	22
4.1 CITY OF PASADENA	22
4.2 INDUSTRIAL DEVELOPMENT IN THE CITY OF PASADENA.....	23
4.3 491-541 S. ARROYO PARKWAY.....	24
5.0 FIELD INVESTIGATION	28
5.1 FIELD METHODS.....	28
5.2 INTENSIVE PROJECT AREA SURVEY	28
5.2.1 491 S. Arroyo Parkway	28
5.2.2 495 S. Arroyo Parkway	29
5.2.3 499 S. Arroyo Parkway	30
5.2.4 501 S. Arroyo Parkway	31
5.2.5 503 S. Arroyo Parkway	32
5.2.6 523 S. Arroyo Parkway	33
5.2.7 541 S. Arroyo Parkway	34
6.0 IDENTIFIED HISTORICAL RESOURCES	36
6.1 PREVIOUSLY IDENTIFIED RESOURCES	36
6.1.1 Within the Project Area	36
6.1.2 Within the Project Vicinity.....	36
6.2 RESOURCES REQUIRING EVALUATION	45
6.2.1 491 S. Arroyo Parkway	45
6.2.2 495 S. Arroyo Parkway	46
6.2.3 499 S. Arroyo Parkway	47
6.2.4 503 S. Arroyo Parkway	47
6.2.5 541 S. Arroyo Parkway	48
6.2.6 Potential South Arroyo Parkway Historic District.....	49
7.0 IMPACTS ASSESSMENT	51
7.1 IMPACT ASSESSMENT FRAMEWORK.....	51

7.2	IMPACTS ASSESSMENT	52
7.2.1	Resources in the Project Area	52
7.2.2	Historical Resources in the Project Vicinity	54
7.3	MITIGATION MEASURES.....	55
8.0	CONCLUSION.....	57
9.0	REFERENCES	59

APPENDICES

Appendix A.	DPR 523 Series Forms	63
Appendix B.	Records Search Results (Confidential)	115

FIGURES

Figure 1-1	Project Vicinity Map	10
Figure 1-2	Project Location Map	11
Figure 1-3	Project Area Map	12
Figure 3-1	Records Search Results Map	110
Figure 3-2	Historic Resources in the Project Vicinity.....	11
Figure 4-1	1931 Sanborn Fire Insurance Map of the Project Area	25
Figure 4-2	1951 Sanborn Fire Insurance Map of the Project Area	26
Figure 5-1	491 S. Arroyo Parkway, east elevation, facing west	29
Figure 5-2	495 S. Arroyo Parkway, north and east elevations, facing southwest.....	30
Figure 5-3	499 S. Arroyo Parkway, east elevation, facing west	31
Figure 5-4	501 S. Arroyo Parkway, east elevation, facing west	32
Figure 5-5	503 S. Arroyo Parkway, south and east elevations, facing northwest.....	33
Figure 5-6	523 S. Arroyo Parkway, north and east elevations, facing southwest.....	34
Figure 5-7	541 S. Arroyo Parkway, southeast elevation, facing northwest.....	35
Figure 6-1	Cornet Building at 411 S. Arroyo Parkway, view northwest	1037
Figure 6-2	The Home Laundry Building at 432 S. Arroyo Parkway, view northeast ..	1137
Figure 6-3	Bryan's Cleaners at 544 S. Arroyo Parkway, view northeast	38
Figure 6-4	Pasadena Humane Society Building at 361 S. Raymond Avenue, view southwest.....	38
Figure 6-5	The Royal Laundry Complex at 443 S. Raymond Avenue, view southwest.	39
Figure 6-6	Former Raymond Flowers building at 62 E. California Boulevard, view south	40
Figure 6-7	George S. Hunt Studio & Shop Building at 161-171 E. California Boulevard, view north.....	40
Figure 6-8	Wallace Neff Office at 180 E. California Boulevard, view southeast	41
Figure 6-9	The Don Carlos Court at 374-386 S. Marengo Avenue, view west.....	42
Figure 6-10	The Evanston Inn property at 385 S. Marengo Avenue, view west.....	43
Figure 6-11	The Craftsman style Bungalow Court at 467 S. Marengo Avenue, listed on the NRHP as Bryan Court, view west.....	43
Figure 6-12	Craftsman style Bunaglows at 462 and 467 S. Marengo Avenue, both contributors to the NRHP-listed South Marengo Historic District, view east.....	44
Figure 6-13	Contributing Craftsman Bungalows along S. Marengo Avenue in the Marengo-Pico Landmark District, view west.....	345

EXECUTIVE SUMMARY

The Arroyo Parkway, LLC is proposing to construct two new buildings within an approximately 3.3-acre area in Pasadena, California (Project). The Project involves the demolition of six existing buildings at 491, 495, 499, 503, 541, and 577 S. Arroyo Parkway and construction of two new buildings: (1) a 154,000 square foot, 7-story (aboveground) medical office building with ground-floor commercial uses (Building A); and (2) a 184,376 square foot, 7-story (aboveground) assisted living building with 85,000 square feet of assisted living uses and 98,576 square feet of independent living uses including up to 95 one- and two-bedroom senior housing units (Building B).

Alternatively, the proposed PD Plan would provide the flexibility to exchange the uses in Building A from medical office and ground-floor commercial for the following:

- 3,000 sf of commercial and a sales/leasing management office on the ground floor;
- Up to 197 residential dwelling units; and
- Up to 650 parking spaces in four subterranean levels (one less than the Project as proposed).

A total of approximately 79,553 sf of the existing development on site would be retained and integrated into the Project, including the Whole Foods grocery store and associated 275-space subterranean parking structure at 465 South Arroyo Parkway and the two historic period buildings at 501 and 523 South Arroyo Parkway.

PaleoWest, LLC (PaleoWest) was contracted by Psomas to complete a Historical Resource Assessment Report for the historic-period buildings located within the Project area in compliance with the California Environmental Quality Act (CEQA) and City of Pasadena Historic Preservation Ordinance (Local Register). PaleoWest identified six historic-period buildings on three properties within the Project area:

at 491 and 495 S. Arroyo Parkway (APN 5722-008-002); 501 and 503 S. Arroyo Parkway (APN 5722-008-012); and 523 and 541 S. Arroyo Parkway (APN 5722-008-017). No additional historic-period buildings were identified within the Project area. The City of Pasadena is the Lead Agency for the purposes of the CEQA.

This report summarizes the methods and results of the historical resource investigation. This investigation included background research, survey, and evaluation of the buildings. The purpose of the investigation was to determine the potential for the Project to impact historical resources under CEQA.

A search of the South Central Coastal Information Center (SCCIC) included a review of all documented sites and cultural resources reports on file for the specified area. The results from the information center indicated that 17 cultural resources investigations were previously conducted within a radius of 0.5-mile of the Project area (herein referred to as “study area”). Of the 17 previous reporting investigations identified in the study area, the SCCIC indicated that none of the studies overlapped with the current Project area. The SCCIC search did not identify any archaeological sites within the Project area but did identify three historic built environment resources in the Project area (Pacific Electric Railroad Garage, P-19-183400; 501 S. Arroyo Parkway, P-19-183401; and 523 S. Arroyo Parkway, P-19-183402). The Pacific Railroad Garage is partially extant. The buildings was integrated into the existing commercial building occupied by Whole Foods. Currently, the east and north façades of this building remain, while the remainder of the building was removed and replaced with new construction in 2007. Both

buildings at 501 S. Arroyo Parkway and 523 S. Arroyo Parkway were previously recommended as eligible for the local register and are, therefore, considered historical resources for the purposes of CEQA. No additional locally listed or National Register of Historic Places- (NRHP-) or California Register of Historical Resources- (CRHR-) eligible properties are within the Project area.

An intensive pedestrian survey of the Project area was conducted by PaleoWest on May 4, 2020. During the field survey, the exteriors of the subject buildings within the Project area were analyzed, photographed, and recorded. The buildings at 491, 495, 499, 503, and 541 S. Arroyo Parkway were evaluated for historical significance by applying the criteria of the CRHR and the Local Register using data gathered during the pedestrian survey and information acquired through historical research. The current condition of the two previously recorded resources at 501 and 523 S. Arroyo Parkway was noted and the existing DPR 523 Series forms were updated. PaleoWest recommends that the buildings at 491, 495, 499, 503, and 541 S. Arroyo Parkway are not eligible for inclusion in the CRHR or the Local Register. PaleoWest concurs with the previous recommendation that the buildings at 501 S. Arroyo Parkway and 523 S. Arroyo Parkway are eligible for the Local Register and observed no changes that would compromise that assessment. Further, PaleoWest recommends that the buildings at 501 S. Arroyo Parkway and 523 S. Arroyo Parkway are locally eligible for the CRHR under Criterion C. Therefore, the buildings at 501 S. Arroyo Parkway and 523 S. Arroyo Parkway are historical resources for the purposes of CEQA.

Collectively, the buildings located at 491, 495, 499, 501, 503, 523, and 541 S. Arroyo Parkway could represent a potential historic district; however, the district does not retain sufficient integrity to convey its historical significance. Therefore, it is not a historical resource for the purposes of CEQA.

Based on available plans, the Project will not involve the physical destruction of the buildings at 501 S. Arroyo Parkway and 523 S. Arroyo Parkway, nor will it result in any significant physical modifications that will comprise the historic integrity of the buildings. The proposed Project will have an effect on the integrity of the setting, but those changes will not physically alter the buildings and are not substantial enough to compromise the overall historic integrity or obstruct the view of the buildings from the public right of way (ROW). Further, the setting has already been significantly altered due to new construction and the modification of buildings over time. Based on this analysis it was found that the proposed project would not have a significant adverse impact on historic resources.

1.0 INTRODUCTION

The Arroyo Parkway, LLC is proposing to construct two new buildings within an approximately 3.3-acre area in Pasadena, California (Project). PaleoWest was contracted by Psomas to complete a Historical Resource Assessment Report for the historic period buildings located within the Project area in compliance with the California Environmental Quality Act (CEQA). The City of Pasadena is the Lead Agency for the purposes of CEQA. This report is intended to support the environmental analysis of the project and its potential environmental impacts, as outlined under CEQA.

The purpose of this report is to determine if historical resources, as defined under CEQA, are located within the Project area, or within the surrounding vicinity, and to assess the potential impacts of the Project to said resources. CEQA defines historic resources as any object, building, structure, site, area, place, record, or manuscript that is listed or determined eligible for listing in the CRHR, a local register or historic inventory program, or is determined to be historically significant by a lead agency (CEQA Guidelines Section 15064.5(a)).

Under CEQA, potential impacts to historical resources are determined through an assessment of whether a project has the potential to result in a “substantial adverse change in the significance of a historic resource.” “Substantial adverse change” is defined in CEQA as the “physical demolition, destruction, relocation, or alteration of the resource or its immediate surroundings such that the significance of an historical resource would be materially impaired.”

The significance of an historical resource is considered in the CEQA Guidelines to be materially impaired when a project:

- (A) Demolishes or materially alters in an adverse manner those physical characteristics of an historical resource that convey its historical significance and that justify its inclusion in, or eligibility for, inclusion in the [CRHR]; or
- (B) Demolishes or materially alters in an adverse manner those physical characteristics that account for its inclusion in a local register of historical resources pursuant to section 5020.1(k) of the Public Resources Code or its identification in an historical resources survey meeting the requirements of section 5024.1(g) of the Public Resources Code, unless the public agency reviewing the effects of the project establishes by a preponderance of evidence that the resource is not historically or culturally significant; or
- (C) Demolishes or materially alters in an adverse manner those physical characteristics of a historical resource that convey its historical significance and that justify its eligibility for inclusion in the [CRHR] as determined by a lead agency for purposes of CEQA.

If a project is found to result in a substantial adverse change in the significance of a historic resource, a historic resources assessment would also evaluate whether that effect can be reduced or eliminated through designed alternatives or mitigation measures. If impacts on a historical resource stemming from a project are found, these may qualify as an environmental impact under CEQA.

To address the issues related to historical resources, this report first identifies all historical resources that have the potential to be impacted by the Project, followed by an assessment of potential impacts, and the recommendation of any mitigation measures that may result in a reduced impact to a level of less-than-significant.

The report was prepared by PaleoWest architectural historian Justin Castells, M.A. who meets the Secretary of the Interior's Professional Qualification Standards in history and architectural history.

1.1 PROJECT LOCATION AND DESCRIPTION

The Project area encompasses 3.3 acres in the City of Pasadena, Los Angeles County, California (Figure 1-1). The Project area is situated within the Pasadena, CA 7.5' U.S. Geological Survey (USGS) topographic quadrangle (Figure 1-2). The Project area is bounded by E. Bellevue Drive on the north, S. Arroyo Parkway on the east, E. California Boulevard on the south, and the Metro Gold Line ROW on the west (Figure 1-3). The elevation of the Project area is approximately 790 feet above mean sea level (amsl).

The Project involves the demolition six existing buildings at 491, 495, 499, 503, 541, and 577 S. Arroyo Parkway to develop a 154,000 square foot, 7-story medical office building and a 184,376 square foot, 7-story senior living facility. The Project will also include the retention of two historic-period buildings at 501 S. Arroyo Parkway and 523 S. Arroyo Parkway. The Project would also include up to 850 parking spaces in 5 subterranean levels. Approximately 79,553 sf of the existing development would be retained and integrated into the Project, including the Whole Foods grocery store and associated 275-space subterranean parking structure at 465 South Arroyo Parkway, and the two historic buildings at 501 and 523 S. Arroyo Parkway.

The maximum building heights for the Project to the top of parapet, not including appurtenances, would range from 90 feet 6 inches to 93 feet 6 inches above ground level. However, the buildings will feature prominent setbacks throughout the site to reduce massing, create public space throughout the Project area, and to retain a buffer surrounding the two retained historical resources at 501 and 523 S. Arroyo Parkway.

The proposed building façades incorporate numerous window openings to provide views and to avoid blank, massive-looking building faces. The façades would also be articulated with patios, window shades, and varying surface treatments to provide variation and break up the surface of the buildings. Portions of both the proposed buildings would be set back from the widest part of the building envelope and some portions of the buildings would extend only to Level 4 and Level 6. Additionally, the ground floor would be slightly taller than the remaining levels, at 15 feet high. This would act to differentiate the ground floor and, combined with some unique architectural features for this level, create a human-scale and pedestrian-friendly environment. The assisted living building would have a steel stud exterior wall clad with a combination of textured face brick and smooth plaster or precast concrete accents. Trellises and balcony railings would be painted steel with a cement fiber composite soffit and sealed concrete decking. Glazing would be factory finished aluminum or steel operable frames with bronze-, gray-, or green-tinted thermal glass and spandrel glass at floors and vision glass heads. Exterior decks would be a double slab construction with paver tiles. The medical office building would have a combination of aluminum frame glass curtain wall and steel stud exterior wall clad with a mixture of textured face brick and smooth plaster or glass fiber reinforced concrete precast accents on the lower floors of the building. Glazing would be a factory finished aluminum structural silicone glazing system with bronze-, gray-, or green-tinted thermal glass and spandrel glass at floors and vision glass heads. Exterior decks would be a double slab construction with paver tiles. The Project proposes to maintain visual continuity through the consistent application of high-quality building, landscape, and hardscape design and materials. Only non reflective building materials would be used.

The existing historic buildings at 501 and 523 S. Arroyo Parkway would be preserved in place. Specific future tenant improvement plans for these historical resources in the Project area are

still in the conceptual phase at this time. However, the plans do not anticipate demolishing, moving, or making major alterations to these structures.

Construction activities for the project will not include blasting or pile driving, which have the potential to cause damaging vibrations. However, large construction equipment is anticipated, which is noted for having the potential to cause vibrations that may result in cosmetic damage to the buildings being retained as part of the Project, including the historic buildings at 501 and 523 S. Arroyo Parkway. To address the potential vibrations, a mitigation measure has been prepared for the project through the preparation of the Project's Environmental Impact Report (EIR), as required under CEQA. Outlined in the Noise section of the EIR, Mitigation Measure Noise-1 (MM-NOI-1) states that "the potential for vibration-induced cosmetic (i.e., not structural) damage to the structures at 465, 501, and 523 South Arroyo Parkway shall be reduced by implementing the following three steps: (1) setbacks, (2) monitoring, and (3) restoration (if applicable)." These specific requirements of MM-NOI-1 are as follows:

- (1) The Project Applicant shall be responsible for ensuring the construction specifications include the following language: "Construction equipment shall observe setback distances of 30 feet from any of the three on-site buildings being retained (Whole Foods Market and 501 and 523 South Arroyo Parkway) for equipment equivalent to a large bulldozer (29,000 pounds or more) and 20 feet for jackhammers and loaded trucks. Small dozers and other equipment with vehicle weights of less (29,000 pounds) are not anticipated to result in substantial levels of vibration that could cause building damage".
- (2) The Project Applicant shall be responsible for placing a vibration monitor in each of the three on-site buildings to remain on the site. The contractor would need to have vibration measurements taken on the site when heavy equipment or vibration intensive activities occurs near (i.e., less than 30 feet horizontal distance) to these three buildings. Vibration measurements will be compared to the vibration thresholds appropriate for the building that may be impacted. The appropriate vibration thresholds are as follows: 0.12 peak particle velocity (PPV) for 501 and 523 South Arroyo Parkway and 0.30 PPV for Whole Foods Market.

If vibration levels are below these thresholds, it is permissible to have construction activity with large (over 29,000 pounds) equipment, jackhammers, and/or loaded trucks within the setback distances included in item 1 above. Additionally, vibration monitoring shall guide construction activity near the perimeter of these buildings during subterranean excavation and construction activity. If vibration levels are found to exceed the applicable threshold, then the associated construction activity shall immediately halt, and alternative methods for achieving the construction activity shall be determined and employed to reduce the construction-generated vibration exposure to the building(s) to less than the thresholds. While the specific alternative methods to be employed cannot be foreseen, as it would be depending on situation-specific factors, the performance objective of maintaining activity that results in vibration below the applicable thresholds shall guide all decisions.

- (3) If cosmetic damage does occur to one or more of these three buildings because of vibration from Project-related construction activities despite setbacks and monitoring, the Project Applicant shall be responsible for restoring the damage. Cosmetic damage includes things like, for example, cracks in paint/plaster, fallen plaster/stucco from a facade, and cracked glass. Specifically, any restorations to Whole Foods Market shall be implemented to return the damaged area to the same

condition (e.g., materials, colors, style) as present at the start of construction. Any restorations to the buildings at 501 and 523 South Arroyo Parkway shall conform to the Secretary of the Interior's Standards for the Treatment of Historic Properties (Standards), and the determination of whether the planned restorations is consistent with the Standards shall be made by a qualified historic preservation professional meeting the Secretary of the Interior's Professional Qualifications Standards for architectural history or historic architecture (Professional) and to the satisfaction of the City. The restorations to the historic buildings, if necessary, may be either to the conditions present before construction was initiated or, if the planned updates to these buildings are underway may be conducted to meet proposal conditions.

The City's Planning & Community Development Department will be responsible for ensuring that the specifics of this mitigation measure will be included in the Project specifications prior to the issuance of a Demolition Permit. The Project applicant and City inspector will also be responsible for ensuring that the conditions of this mitigation measure are consistently implemented throughout the construction period.

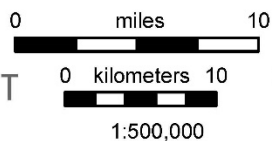
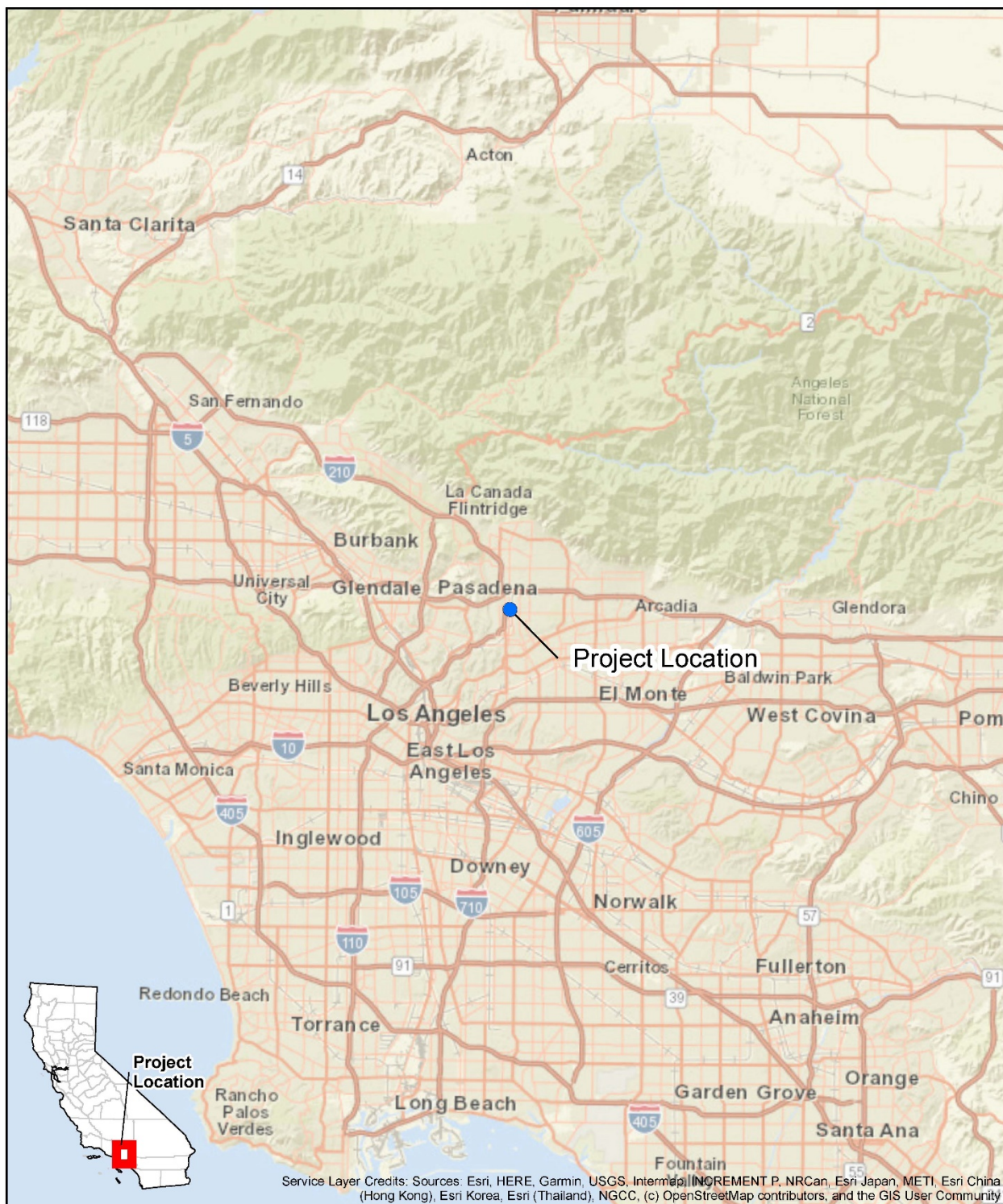
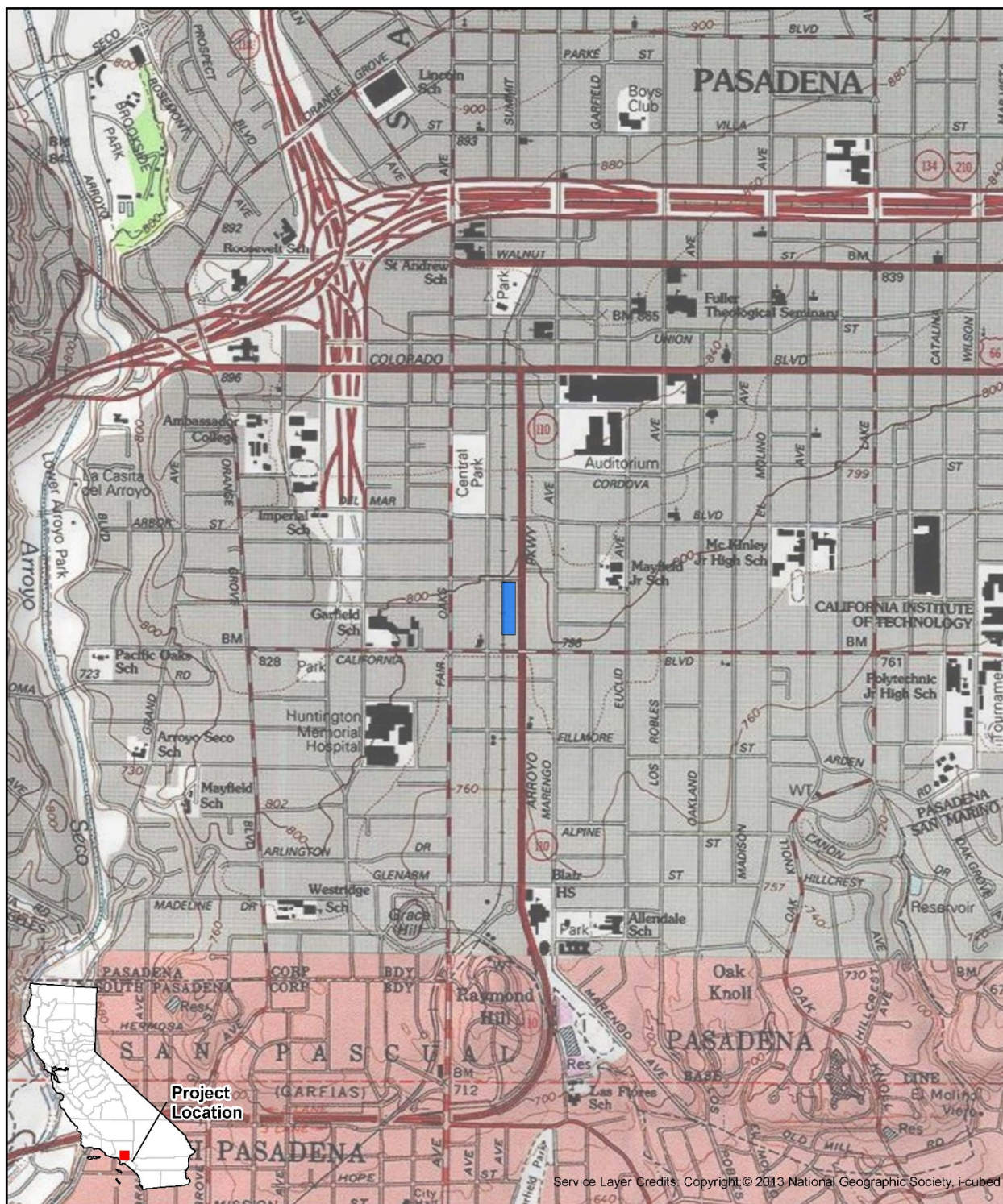


Figure 1-1
Project Vicinity Map
 USGS 7.5' Quadrangle:
 Pasadena, CA (1975)
 NAD 83 UTM Zone 11

 Project Area



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Figure 1-2
Project Location Map
USGS 7.5' Quadrangle:
Pasadena, CA (1975)
NAD 83 UTM Zone 11

 Project Area

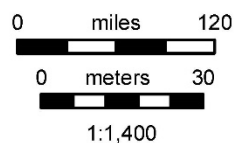


Figure 1-3
USGS 7.5' Quadrangle:
Pasadena, CA (1975)
NAD 83 UTM Zone 11

- Project Area
- Building

2.0 REGULATORY CONTEXT

2.1 STATE

2.1.1 California Environmental Quality Act

The proposed Project is subject to compliance with CEQA, as amended. Compliance with CEQA statutes and guidelines requires both public and private projects with financing or approval from a public agency to assess the project's impact on cultural resources (Public Resources Code Section 21082, 21083.2 and 21084 and California Code of Regulations 10564.5). Specifically, under Public Resources Code Section 21084.1, a "project that may cause a substantial adverse change in the significance of an historical resources is a project that may have a significant effect on the environment." The first step in the CEQA compliance process in terms of historical resources is to identify any that may be impacted by the project.

"Historical resource" is a term with a defined statutory meaning (Public Resources Code Section 21084.1). The determination of significant impacts on historical and archaeological resources is described in Sections 15064.5(a) and 15064.5(b) of the State CEQA Guidelines. Section 15064.5(a) states that historical resources include the following:

1. A resource listed in, or determined to be eligible by the State Historical Resources Commission, for listing in the [CRHR] (Public Resources Code Section 5024.1).
2. A resource included in a local register of historical resources, as defined in Section 5020.1(k) of the Public Resources Code or identified as significant in a historical resource survey meeting the requirements of Section 5024.1(g) of the Public Resources Code, will be presumed to be historically or culturally significant. Public agencies must treat any such resource as significant unless the preponderance of evidence demonstrates that it is not historically or culturally significant.
3. Any object, building, structure, site, area, place, record, or manuscript which a lead agency determines to be historically significant or significant in the architectural, engineering, scientific, economic, agricultural, educational, social, political, military, or cultural annals of California may be considered to be a historical resource, provided the lead agency's determination is supported by substantial evidence in light of the whole record. Generally, a resource will be considered by the lead agency to be historically significant if the resource meets the criteria for listing in the [CRHR] (Public Resources Code Section 5024.1).
4. The fact that a resource is not listed in or determined to be eligible for listing in the CRHR, not included in a local register of historical resources (pursuant to Section 5020.1[k] of the Public Resources Code), or identified in a historical resources survey (meeting the criteria in Section 5024.1[g] of the Public Resources Code) does not preclude a lead agency from determining that the resource may be an historical resource as defined in Public Resources Code Section 5020.1(j) or 5024.1.

Cultural resources are buildings, sites, humanly modified landscapes, traditional cultural properties, structures, or objects that may have historical, architectural, cultural, or scientific importance based on established criteria. CEQA states that if a project will have a significant impact on important cultural resources, deemed "historically significant," then project alternatives and mitigation measures must be considered.

2.1.2 California Register of Historical Resources

The CRHR established a list of properties that are to be protected from substantial adverse change (Public Resources Code Section 5024.1). A historical resource may be listed in the CRHR if it exhibits significance under one or more of the following criteria:

1. It is associated with events that have made a significant contribution to the broad patterns of California's history and cultural heritage.
2. It is associated with the lives of persons important in California's past.
3. It embodies the distinctive characteristics of a type, period, region, or method of construction, or represents the work of an important creative individual, or possesses high artistic value.
4. It has yielded or is likely to yield information important in prehistory or history.

In addition to exhibiting significance under one or more of the above criteria, a resource must also retain sufficient historical integrity to convey its significance. Historical integrity is the physical aspects of a resource related to its historic character. Integrity is evaluated through seven aspects: location, design, setting, materials, workmanship, feeling, and association.

The CRHR includes properties that are listed or have been formally determined to be eligible for listing in the NRHP, State Historical Landmarks, and eligible Points of Historical Interest. Other resources require nomination for inclusion in the CRHR. These may include:

- resources contributing to the significance of a local historic district,
- individual historical resources,
- historical resources identified in historic resource surveys conducted in accordance with State Historic Preservation Office procedures,
- historic resources or districts designated under a local ordinance consistent with Commission procedures, and
- local landmarks or historic properties designated under local ordinance.

2.2 LOCAL

2.2.1 City of Pasadena Historic Preservation Ordinance

The City of Pasadena has established an historic preservation program in order to promote “the identification, evaluation, rehabilitation, adaptive use, and restoration of historic structures.” The criteria for the designation of historic monuments, landmarks, historic signs, landmark trees, or landmark districts are applied “according to applicable National Register of Historic Places Bulletins for evaluating historic properties.” These criteria are excerpted below from Section 17.62.040 of the Pasadena Zoning Code (City of Pasadena Online Zoning Code Title 17. https://library.municode.com/ca/pasadena/codes/code_of_ordinances?nodeId=TIT17_ZONING_CODE).

Greene & Greene Structures

Greene & Greene Structures shall include all buildings, sites, structures, objects and interior fixtures designed by the architectural firm of Greene & Greene, or by Charles Sumner Green (1868-1957) or Henry Mather Greene (1870-1954). All structures are automatically designated as Greene & Greene Structures under this category and, as such, are exempt from the designation procedures outlined below.

Historic Monuments

A historic monument shall include all historic resources previously designated as historic treasures before adoption of [Zoning Code Chapter 17.62] in 2002, historic resources that are listed in the National Register at the State-wide or Federal level of significance (including National Historic Landmarks) and any historic resource that is significant at a regional, State, or Federal level, and is an exemplary representation of a particular type of historic resource and meets one or more of the following criteria:

- a) It is associated with events that have made a significant contribution to the broad patterns of the history of the region, State, or nation.
- b) It is associated with the lives of persons who are significant in the history of the region, State, or nation.
- c) It is exceptional in the embodiment of the distinctive characteristics of a historic resource property type, period, architectural style, or method of construction, or that is an exceptional representation of the work of an architect, designer, engineer, or builder whose work is significant to the region, State, or nation, or that possesses high artistic values that are of regional, State-wide or national significance.
- d) It has yielded, or may be likely to yield, information important in prehistory or history of the region, State, or nation.

A historic monument designation may include significant public or semi-public interior spaces and features.

Landmarks

A landmark shall include all properties previously designated a landmark before adoption of [Zoning code Chapter 17.62] in 2002 and any historic resource that is of a local level of significance and meets one or more of the criteria listed below.

A landmark may be the best representation in the City of a type of historic resource or it may be one of several historic resources in the City that have common architectural attributes that represent a particular type of historic resource. A landmark shall meet one or more of the following criteria:

- a) It is associated with events that have made a significant contribution to the broad patterns of the history of the City.
- b) It is associated with the lives of persons who are significant in the history of the City.
- c) It embodies the distinctive characteristics of a type, architectural style, period, or method of construction, or represents the work of an architect, designer, engineer, or builder whose work is of significance to the City or possesses artistic values of significance to the City/
- d) It has yielded, or may be likely to yield, information important locally in prehistory or history.

Historic Signs

A historic sign shall include all signs in the sign inventory as of the date of adoption of the Zoning Code in 2002 and any sign subsequently designated historically significant by the City Council that possesses high artistic values. A historic sign shall meet one or more of the following criteria:

- a) The sign is exemplary of technology, craftsmanship or design of the period when it was constructed, uses historic sign materials and means of illumination, and is not significantly altered from its historic period. Historic sign materials shall include metal or wood facings, or paint directly on the façade of a building. Historic means of illumination shall include incandescent light fixtures or neon tubing on the exterior of the sign. If the sign has been altered, it must be restorable to its historic function and appearance.
- b) The sign is integrated with the architecture of the building.
- c) A sign not meeting criteria a or b above may be considered for inclusion in the inventory if it demonstrates extraordinary aesthetic quality, creativity, or innovation.

All other regulations relating to signs shall comply with Chapter 17.48 (Signs).

Landmark Trees

A tree shall qualify to be of historic or cultural significance and of importance to the community if it meets any one of the following criteria:

- 1. It is one of the largest or oldest trees of the species located in the City;
- 2. It has historical significance due to an association with a historic event, person, site, street, or structure; or
- 3. It is a defining landmark or significant outstanding feature of a neighborhood.

Landmark Districts

A landmark district shall include all landmark districts previously designated before adoption of this Chapter and any grouping of contiguous properties that also meet the following criteria:

- a) Within its boundaries, a minimum of 60 percent of the properties qualify as contributing; and
- b) The grouping represents a significant and distinguishable entity of Citywide importance and one or more of a defined historic, cultural, development and/or architectural context(s) (e.g., 1991 Citywide historic context, as amended, historic context prepared in an intensive level survey or historic context prepared specifically for the nominated landmark district).

When considering applications to designate a landmark district, the Historic Preservation Commission shall use the National Register of Historic Places Bulletin #21: "Defining Boundaries for National Register Properties."

3.0 RESEARCH METHODS

A literature review and records search were conducted by Psomas at the South Central Coastal Information Center (SCCIC) at California State University, Fullerton on July 30, 2020 and provided to PaleoWest. This inventory effort included the Project area and a 0.5-mile radius around the Project area, collectively termed the "Project study area." The objective of this records search was to identify prehistoric or historical cultural resources that have been recorded within the broader context surrounding the Project area during prior cultural resource investigations.

3.1 RECORDS SEARCH

The SCCIC search included a review of all recorded sites and cultural resources reports on file for the Project area, as well as the surrounding vicinity. The results from the information center indicated that 17 cultural resources investigations were previously conducted within the 0.5-mile radius Study Area (Figure 3-1). However, of the 17 previous investigations, the SCCIC indicated that none of the studies overlapped with the current Project area.

While no previous investigations included any portion of the Project area, there are individual resources documented outside the preparation of a cultural resources investigation that are present on site. The SCCIC search identified 63 historic built environment resources previously identified within the 0.5-mile radius Study Area. A copy of the records search results is included in Appendix B.

3.1.1 Project Area

The SCCIC search did not identify any archaeological sites within the Project area, but did identify three historic built environment resources in the Project area:

Table 1. Previously Recorded Historical Resources in the Project Area

Primary No.	Resource Name/ Address	Resource Type	Year Built	Year Recorded	Historic Status (NRHP, CRHR, Local)
P-19-183400	Pacific Electric Railroad Garage/465 S. Arroyo Parkway	Building	1923, 2007	1986	Potentially Local eligible
P-19-183401	Market Basket Warehouse/ 501-503 S. Arroyo Parkway	Building	1940	1989	Local eligible
P-19-183402	Lewis Iron Building/ 523 S. Arroyo Parkway	Building	1922	1989	Local eligible

Preliminary desktop review of the resources identified within the Project area confirmed that both 501 S. Arroyo Parkway and 523 S. Arroyo Parkway appear to be extant. These properties were previously recommended as eligible for the local register and are, therefore, considered historical resources for the purposes of CEQA. The former Pacific Electric Railroad Garage, which was also previously recommended eligible for the Local Register, appears to be partially

extant with the west and north façades integrated into the current commercial building that occupies the north portion of the block.

3.1.2 Project Vicinity

In addition to the resources located within the Project area, multiple historical resources were identified in the records in the surrounding vicinity. For the purposes of this report and the potential analysis of the Project and its indirect impact to the setting and adjacent and nearby historical resources, a separate overlay was outlined to identify those resources that have the potential to be impacted. Referred to here as the “Project Vicinity,” this area was delineated to account for potential indirect impacts, such as visual or atmospheric alterations, resulting from the proposed Project.

The Project Vicinity is centered around the Project area, which corresponds with the entire subject block fronting S. Arroyo Parkway to the east and is bounded by E. Bellevue Drive to the north, E. California Boulevard to the south, and the LA Metro Light Rail alignment to the rear. The boundaries of the Project Vicinity extends approximately one city block in each direction to align with E. Del Mar Boulevard to the north, Edmondson Alley to the west, Pico Street to the south, and S. Marengo Avenue to the west. Within the Project Vicinity, nine historic resources were identified, including seven buildings and two historic districts; one historic district is fully within the Project Vicinity whereas the other is only partially within the delineated area (Figure 3-2).

The following table outlines those previously recorded historical resources located within the defined Project Vicinity:

Table 2. Previously Recorded Historical Resources in the Project Vicinity

Primary No.	Resource Name/ Address	Resource Type	Year Built	Year Recorded	Historic Status (NRHP, CRHR, Local)
P-19-180051	The Home Laundry / 432 S. Arroyo Parkway	Building	1922	1987	NRHP-listed, CRHR-listed, Local-listed
P-19-180068	S. Marengo Historic District	Historic District	1901- 1916	1981	NRHP-listed, CRHR-listed, Local-listed
P-19-180069	Don Carlos Court/ 374-386 S. Marengo Ave	Building	1927	1983	NRHP-listed, CRHR-listed, Local-listed
P-19-180070	Evanston Inn/ 385-395 S. Marengo Ave	Building	1897	1981	NRHP-listed, CRHR-listed, Local-listed
P-19-180680	Bryan Court, Adams Court/ 427 S. Marengo	Historic District	1916	1981	NRHP-listed, CRHR-listed, Local-listed

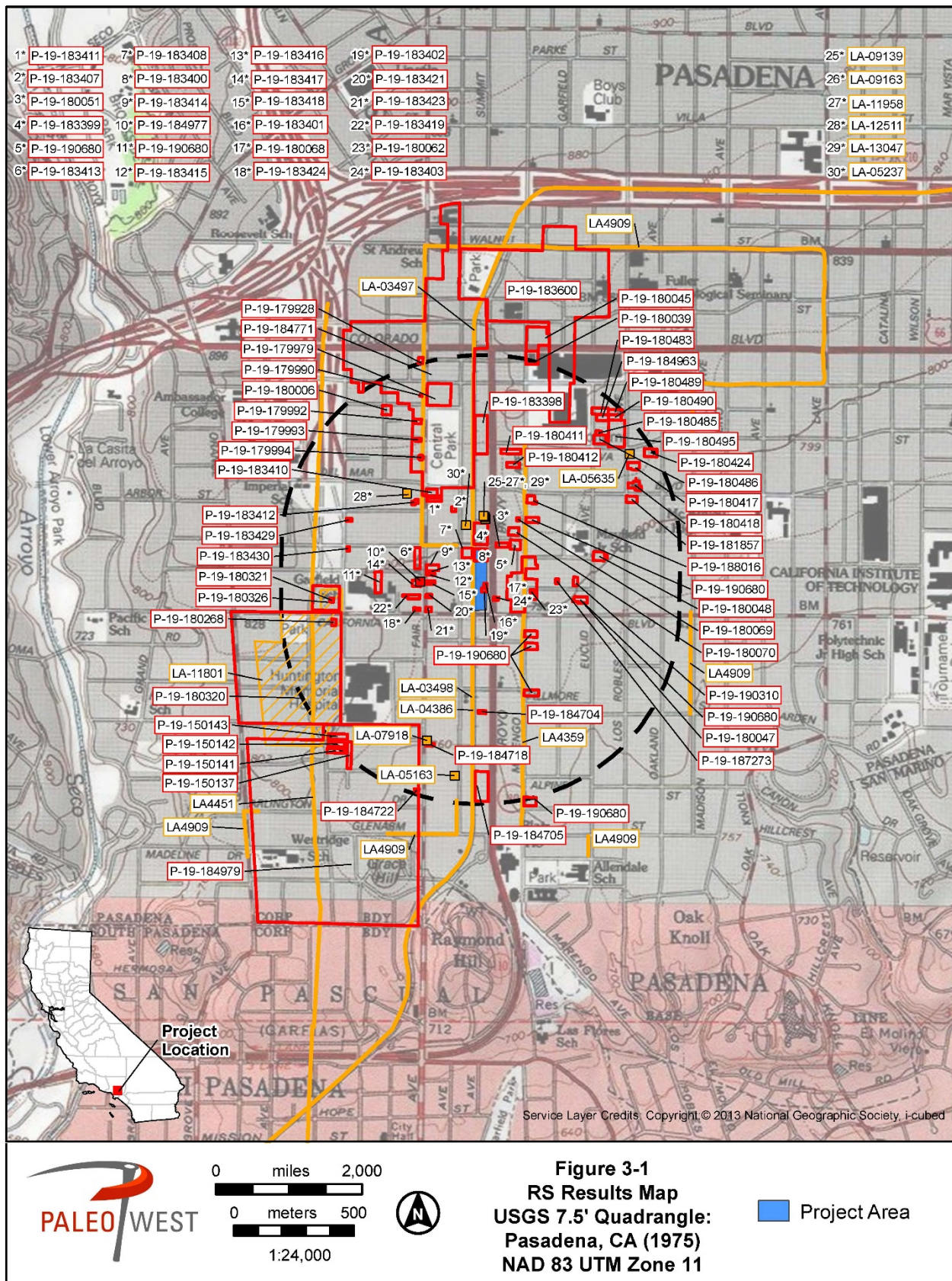
P-19-183343	George S. Hunt Studio & Shop Building/ 161 E. California Blvd.	Building	1927	1991, 2000	Local eligible
P-19-183344	Wallace Neff Office/ 180 E. California Blvd.	Building	1927	1991, 2011	NRHP eligible Local-listed
P-19-183346	Raymond Flowers/ 62 E. California Blvd.	Building	1933	1991, 2004	NRHP eligible Local eligible
P-19-183399	Cornet Building/ 411 S. Arroyo Parkway	Building	1945	1989, 2012	Potentially eligible for NRHP, CRHR, Local (needs re-evaluation)
P-19-183403	Bryan's Cleaners/ 544 S. Arroyo Parkway	Building	1938	1986	Local eligible
P-19-183407	Pasadena Humane Society/ 361 S. Raymond Ave	Building	1929	1989	NRHP-listed, CRHR-listed, Local-listed
P-19-183408	Royal Laundry, Milus Textile Service/ 443 S. Raymond Ave	Building	1927	1991, 2000, 2007	NRHP-listed, CRHR-listed, Local-listed
LD17 (City #)	Marengo-Pico Landmark District	Historic District	1912-1927	2008, 2011	Local-listed

3.2 ADDITIONAL SOURCES

In addition to the records search, general contextual and site-specific research was conducted for the subject property and the surrounding area. Additional sources consulted include the National Register of Historic Places, the Office of Historic Preservation Directory of Properties in the Historic Property Data File, Los Angeles County Assessor files, historical newspapers databases, historic Sanborn Fire Insurance Maps, Los Angeles Public Library databases, newspaper.com., ancestry.com, Pasadena city directories, and the City's California Historic Resource Inventory Database (CHRID) system.

Historical maps consulted include the Los Angeles (USGS 1894, 1900), Altadena (USGS 1928), and Pasadena (USGS 1953, 1966, 1972, 1988, 1955) 7.5-minute USGS quadrangles. The 1894 and 1900 maps depicted the Project area as thoroughly built out, but no extant buildings within the Project area were depicted. The 1928 map showed two buildings within the Project area that roughly correspond with 495 S. Arroyo Parkway and 501 S. Arroyo Parkway. A review of available Sanborn Fire Insurance Maps from 1931 through 1951 was also conducted and reflected in the property history of the Historical Overview section.

11*



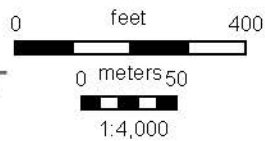
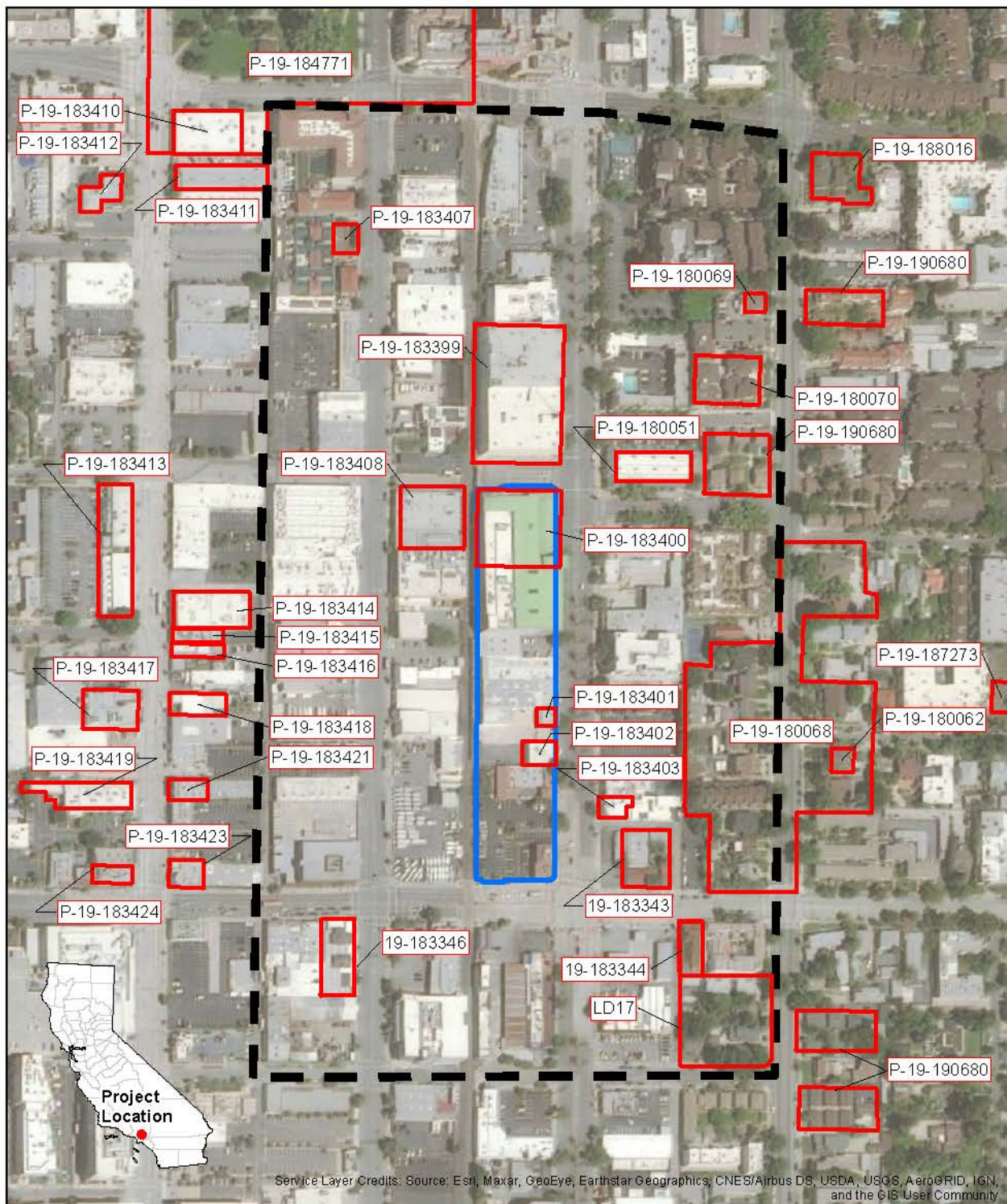


Figure 3-2
Project Vicinity
USGS 7.5' Quadrangle:
Pasadena, CA (1975)
NAD 83 UTM Zone 11

- Project Area
- Project Vicinity
- Existing Resource

4.0 HISTORICAL OVERVIEW

This section of the report summarizes information regarding the historic context of the Project area. Overarching historic themes were identified to establish a historic context within which to evaluate historic-period properties within the Project area.

4.1 CITY OF PASADENA

The following history of Pasadena, unless otherwise noted, was excerpted from “Heritage: A Short History of Pasadena” (City of Pasadena 2020).

In 1886 Pasadena incorporated, largely as a measure to rid the city of its saloon (City of Pasadena 2020). The commercial center of the City was largely localized around the intersection of what is now Fair Oaks Avenue and Colorado Boulevard (Old Pasadena Management District 2020). The industrial center of the city was largely localized along railroad tracks. In the ensuing decade, amenities such as sewers, paved streets, and electric street lighting were installed (City of Pasadena 2020). A three-block commercial area of Colorado Boulevard from DeLacey Avenue to Broadway Avenue (now Arroyo Parkway) was paved with all-weather surface in 1893 as part of the city’s enhancement initiative. Secondary streets and alleys began to expand from Colorado Boulevard where service industries began to be established (O’Connor, et al.1993). On January 1, 1890, the Valley Hunt Club initiated a mid-winter festival with a procession of flower-bedecked horses and carriages. This became a yearly tradition that in 1898 was formally sponsored by the Tournament of Roses Association. An added tourist attraction was the Echo Mountain incline railway which opened in 1893 and included a mountain chalet resort and the Alpine Tavern at Crystal Springs (City of Pasadena 2020).

Through the end of the 1920’s, Pasadena continued to enjoy a reputation as a tourist center and winter resort for the wealthy (City of Pasadena 2020). By 1900 the commercial district of Pasadena had become too crowded and petitions were made to widen Colorado Boulevard. In 1929, work on widening Colorado Boulevard began and buildings were set back 14 feet on each side of Colorado Boulevard, and most of the Victorian façades were replaced by Spanish Colonial Revival and Art Deco frontages (Old Pasadena Management District 2020). With the coming of the Great Depression, every aspect of Pasadena’s economy was affected but the tourist industry was hit so hard that it never recovered. As with the rest of the United States, The Depression disrupted all industry and business within Pasadena and resulted in slow growth for the city. The advent of World War II led to a resurgence in Pasadena and the region. During the war, hotels in Pasadena were used as military command headquarters. The Vista del Arroyo Hotel was purchased by the Army and became a convalescent hospital for the wounded. Led by Caltech and the Jet Propulsion Laboratory, which became focal points of research and development for the war effort, Pasadena evolved into a center for industrial research and light manufacture of scientific and electronic precision instruments. The completion in 1940 of the Arroyo Seco Parkway, the first freeway in the west, provided a fast and direct route from Pasadena to Los Angeles. Pasadena became an attractive place to live for people working in industrial areas in Los Angeles (City of Pasadena 2020).

In the mid-1940’s and early 1950’s, to relieve the housing shortage, new housing tracts were opened in the Linda Vista, San Rafael and Allendale areas and to the east in the Hastings Ranch and Coronet areas. Retail sales showed a steady increase and in 1947, the opening of

Bullock's heralded what was to become an exclusive shopping area on South Lake Avenue. A new shopping center opened in Hastings Ranch in 1956. As the business district moved east of Fair Oaks and Colorado, the area that was once the heart of the city became dilapidated, with high vacancy rates and declining property values. The early '60's saw some major companies leave Pasadena due to lack of land for expansion. Although the problem of central city decline was pointed out in a major report in 1959, little was done to remedy it until the early seventies (City of Pasadena 2020).

4.2 INDUSTRIAL DEVELOPMENT IN THE CITY OF PASADENA

The initial industry in Pasadena during the late nineteenth century was agriculture, most notably with the proliferation of citrus crops throughout the region. These exports led to the initial creation of early transportation networks that relied on a system of growers, packing houses, and shippers, which operated throughout Southern California. In addition to supplying a tangible commercial product for shipment to markets, the citrus crops were an essential marketing tool for Southern California communities during the late nineteenth and early twentieth centuries, including Pasadena. The exotic notion of oranges to the rest of the nation played into the romantic idea of the Mediterranean climate of the region, which in turn led to increased tourism and residential development in Pasadena (1993). Somewhat ironically, these crops that were part of the most prominent marketing tools and the initial catalyst for Pasadena's development became increasingly less common as more agricultural land was subdivided to construct residences, as well as for grand new hotels that supported the growing tourism industry. This trend of urbanization and development was exacerbated with the construction of the Atchison Topeka and Santa Fe Railway (Santa Fe Railway) in 1886 (City of Pasadena, 1993).

To support the new residential and tourism-based economy, which often catered towards the upper classes, a new goods and services economy became an integral part of the industrial and commercial development in Pasadena. Early industrial development in Pasadena was largely concentrated along the north-south axis of the Santa Fe rail tracks, which entered the city through the center of the block between Raymond Avenue and Arroyo Parkway (then Broadway) where the businesses had access to incoming and outgoing freight services (Historic Resources Group, et al. 2007). In 1914, industrial zones were designated adjacent to railroad tracks within the city of Pasadena. While zoned for industrial purposes, these areas also contained residences which largely housed immigrants and minorities (O'Connor, et al. 1993). The industrial district was confined to Arroyo Parkway, Raymond, and Fair Oaks Avenues between Del Mar Boulevard in the north and the Arroyo Seco (now the route of the Pasadena Freeway) in the south. The main industries were laundries, light manufacturing, custom automobile assembly, storage and transport, lumber yards and milling (Historic Resources Group, et al. 2007). This trend of light-industrial uses was solidified in 1920, when the Chamber of Commerce campaigned for only "clean industries" to be allowed within the City to preserve its character and overall cleanliness. Typically, more heavy industrial developments that were being founded throughout Southern California were being limited to Los Angeles or the more industrial suburbs of the region (City of Pasadena, 1993).

4.3 491-541 S. ARROYO PARKWAY

491 S. Arroyo Parkway was constructed in 1945. Sanborn Fire Insurance Maps from 1951 show that 491 S. Arroyo Parkway was used as a warehouse for a garden spray manufacturer and interior doors connecting the building with 495 S. Arroyo Parkway indicate that the two buildings were directly associated with one another (Sanborn Map Company 1951). By 1965 the building housed Servisoft, a water conditioning service (*Independent Star-News* 1965). Research has uncovered little information regarding subsequent occupants of the building. In 2010 permits were approved for new storefronts for the building, which included the current entry and windows (Pasadena Building and Safety Division 2010a).

495 S. Arroyo Parkway was constructed in 1925. As early as 1927 the building was listed as the business location of contractor W.C. Crowell (Los Angeles Directory Co. 1927). In 1928 Crowell was awarded the construction of the Gordon B. Kaufmann designed Athenaeum Building on the California Institute of Technology campus (*Pasadena Evening Post* 1928). In 1931, W.C. Crowell was listed as a member of the Pasadena Junior Chamber of Commerce (The Pasadena Post 1931). Crowell was a prominent builder in Pasadena and was involved in the construction of many notable buildings including the Scottish Rite Cathedral in Pasadena, the NRHP-listed Kindel Building, the Huntington Library, and the Pasadena Civic Auditorium. Sanborn Fire Insurance Maps from 1931 show that 495 S. Arroyo Parkway was used as sheet metal works (Sanborn Map Company 1931), however W.C. Crowell was still listed as a contractor with offices at that location in 1938 and 1939 (Los Angeles Directory Co. 1938, 1939). By 1942 the property was occupied by Destruxol Corp. LTD, a garden chemical manufacturer (*Los Angeles Times* 1942). The Sanborn Fire Insurance Maps from 1951 indicate that the building was a garden spray manufacturer and interior doors connecting the building with 491 S. Arroyo Parkway indicate that the two buildings were directly associated with one another (Sanborn Map Company 1951). By 1956 the building was used as a machine shop while jointly being used by the Destruxol Corporation which occupied the property until at least 1960 (*Los Angeles Times* 1956, *Pasadena Independent* 1960). At some point between 1960 and 1978, Properties International/John K. Woo occupied the property before relocating in 1978 (*Los Angeles Times* 1978a). In 2009 a seismic retrofit permit was issued for the building followed by permits for new storefronts and a new roof for the building in 2010 (Pasadena Building and Safety Division 2009, 2010b, 2010c).

499 S. Arroyo Parkway was constructed in 1921. On the 1931 Sanborn Maps, 499 S. Arroyo Parkway is depicted as having two wire-glass skylights. Interior doors connecting the building with 501 and 503 S. Arroyo Parkway indicate that the buildings were directly associated with one another. The use for the complex is indicated as wholesale grocery (Sanborn Map Company 1931), the Market Basket Warehouse (Heumann 2000a). On the 1951 Sanborn Maps 499 S. Arroyo Parkway is depicted as having two wire-glass skylights. Interior doors connecting the building with 501 and 503 S. Arroyo Parkway indicate that the buildings were directly associated with one another. The use for the complex is indicated as paper warehouse and distribution (Sanborn Map Company 1951). In 2010 permits were issued for storefront installations and alterations on the building (Pasadena Building and Safety Division 2010d, 2010e). In 2011 a permit was issued for a new wall sign and new awnings for the building (Pasadena Building and Safety Division 2011).

503 S. Arroyo Parkway was constructed in 1921. On the 1931 Sanborn Fire Insurance Maps, 503 S. Arroyo Parkway is depicted as a concrete building. Additional associated buildings abut the building to the south but are no longer extant. Interior doors connecting the building with 501 S. Arroyo Parkway indicate that the buildings were directly associated with one another. The use for two buildings, along with 499 S. Arroyo Parkway, is indicated as wholesale grocery

(Sanborn Map Company 1931), the Market Basket Warehouse (Heumann 2000a). On the 1951 Sanborn Fire Insurance Maps 503 S. Arroyo Parkway is depicted as a concrete building. Additional associated buildings about the building to the south but are no longer extant. Interior doors connecting the building with 501 S. Arroyo Parkway indicate that the buildings were directly associated with one another. The use for two buildings, along with 499 S. Arroyo Parkway, is indicated as paper warehouse and distribution (Sanborn Map Company 1951).

541 S. Arroyo Parkway was constructed in 1951. By at least 1959, the building was home to the Westward Ho Steak House (*Star-News* 1959) owned by Ed and Loretta Nicastro (*Star-News* 1962). The restaurant was known locally for live music and for its 10 ounce “small” steak (Gambole 1966). The Westward Ho Steak House operated until 1977 (*Los Angeles Times* 1977). In 1978 a restaurant called Duck Soup opened at the location, operated by Carl Warren, Sam Goldenberg, Mert Wallen, and Joe Dietchmann (*Los Angeles Times* 1978b). Warren, Goldenberg, Wallen, and Dietchmann were all, at the time, either owners or top executives in the International House of Pancakes (Thomey 1968). By 1989 Duck Soup had closed and Manan Restaurant was located in the building (*Monrovia News-Post* 1989). In 2002 a design review was requested for a remodel of the building (Pasadena Building and Safety Division 2002a) and permits were issued for the remodel the same year (Pasadena Building and Safety Division 2002b). Permits were issued in 2004 (Pasadena Building and Safety Division 2004) for a new monument sign and in 2005 for an illuminated wall sign (Pasadena Building and Safety Division 2005).

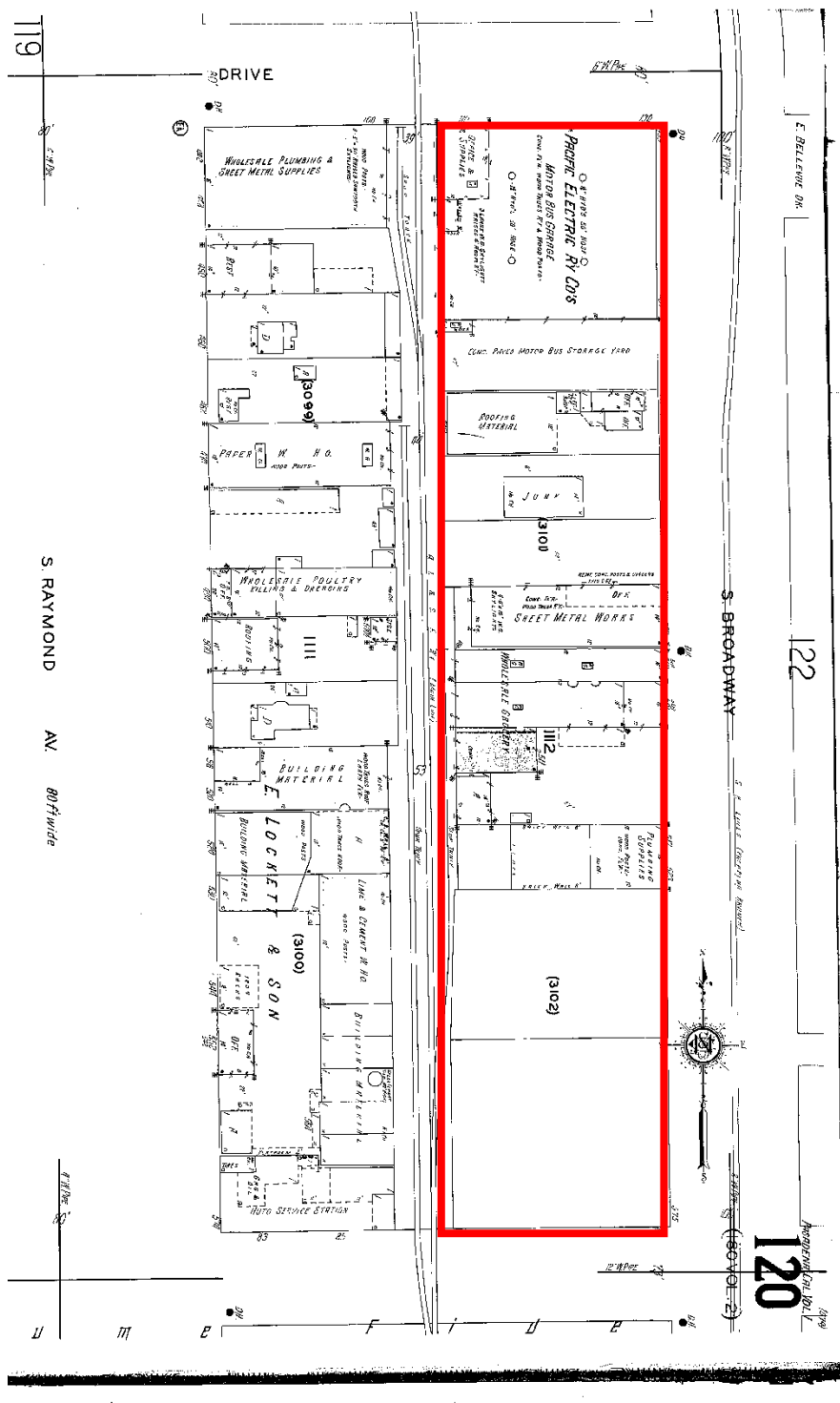


Figure 4-1. 1931 Sanborn Fire Insurance Map with Project area outlined; north is up (LA Public Library).

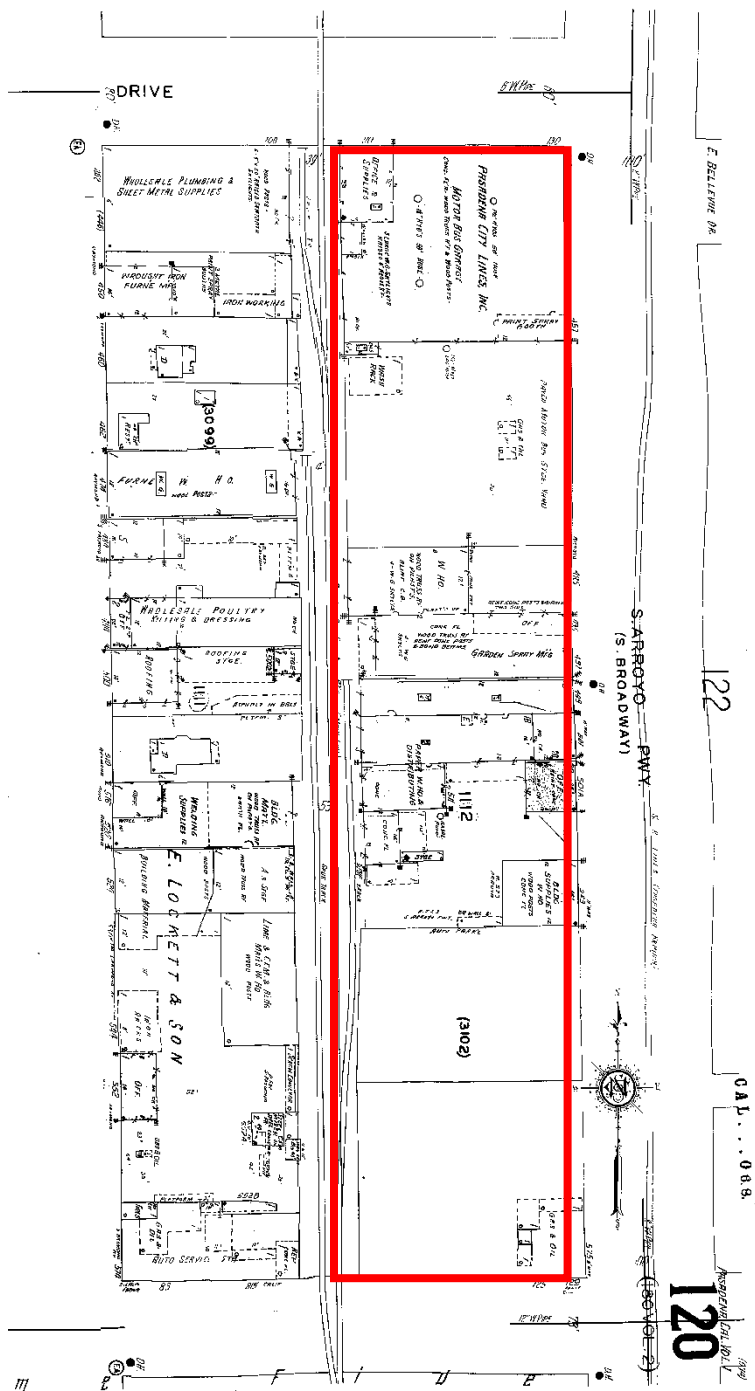


Figure 4-2. 1951 Sanborn Fire Insurance Map with Project area outlined; north is up (LA Public Library).

5.0 FIELD INVESTIGATION

5.1 FIELD METHODS

A pedestrian survey of the Project area was conducted by PaleoWest on May 4, 2020. During the field survey, the exteriors of the buildings within the Project area were analyzed, photographed, and recorded. Any building or structure determined to have been built prior to 1975 or to be potentially eligible for the CRHR were formally evaluated on DPR 523 series forms, which are included in Appendix A.

In addition to the Project Area, the general conditions and character of the surrounding area was observed during the field survey on May 4, 2020. Attention to building types, use, spatial organization, periods of construction, architectural styles, and other characteristics were noted at this time. A subsequent desktop analysis of the previously documented historical resources identified within the Project Vicinity was also conducted in support of this report. This entailed using readily available digital tools, such as street views from February 2021, to confirm current conditions of these resources, and cross-referencing this with existing documentation related to the historic status of each resource, including CHRID entries, DPR 523 forms, and NRHP nominations.

5.2 INTENSIVE PROJECT AREA SURVEY

The general character of the urban context surrounding the Project Area was observed during the intensive field survey on May 4, 2020. Overall, the Project Area is situated within a dynamic urban environment near downtown Pasadena. The building stock and character of the surrounding area features a mixture of commercial, industrial, and residential uses through a mixture of property types that reflect periods of construction from the late nineteenth century to the present-day. This is also embodied in a variety of architectural styles, forms, and building heights, which vary from low-rise commercial and residential developments to larger, mid-rise multi-family and commercial buildings, to more recent mixed-use properties reaching over seven stories tall.

5.2.1 491 S. Arroyo Parkway

491 S. Arroyo Parkway is a one-story Modern Vernacular commercial building constructed in 1945. The building features a flat roof with a short parapet and a barrel vault. The building is of concrete block construction. The east elevation of the building features glass double doors with fixed window surrounds. A bank of large commercial windows mirroring the design of the entry are located adjacent to the entry on the elevation. The west elevation features windows with security bars. The north and south elevations abut the adjacent buildings.



Figure 5-1 491 S. Arroyo Parkway, east elevation, facing west

5.2.2 495 S. Arroyo Parkway

495 S. Arroyo Parkway is a one-story Modern Vernacular commercial building constructed in 1925. The building features a flat roof with a short parapet and a gable vault. The building is of brick construction. The east elevation of the building features a glass entry door flanked by fixed sidelight windows located off-center on the elevation. The entry is recessed and features a cantilevered awning. Two large fixed commercial windows are also located on the east elevation. The east elevation is clad in stucco. The north elevation features an entry door beneath a cantilevered overhang located on the west portion of the elevation. Two recessed fixed windows are located on the east portion of the elevation and a bank of large commercial windows are centered on the elevation. The south elevation abuts the adjacent building. The west elevation is clad in corrugated metal.



Figure 5-2 495 S. Arroyo Parkway, north and east elevations, facing southwest

5.2.3 499 S. Arroyo Parkway

499 S. Arroyo Parkway is a one-story Modern Vernacular commercial building constructed in 1921. The building features a flat roof with a short parapet. The east elevation of the building features a recessed entryway accessed by concrete stairs behind a metal security gate centered on the elevation. The entry is flanked by bands of recessed windows. The elevation is clad in stucco and the top portion of the elevation has seismic retrofit bolts. The north and south portions of the south elevation abut the adjacent buildings. The center portion of the south elevation features three former loading bays that have been filled with fixed windows. Concrete stairs leading to a glass entry door are located on the east section of the center portion of the elevation.



Figure 5-3 499 S. Arroyo Parkway, east elevation, facing west

5.2.4 501 S. Arroyo Parkway

501 S. Arroyo Parkway is a two-story Moderne style warehouse and office building that was constructed in 1940. The building has a square footprint and fronts the west sidewalk along S. Arroyo Parkway with no setback. The building features reinforced concrete construction, is primarily clad with painted board-formed concrete, and is capped with a flat roof profile defined by a raised parapet. The primary (west) façade has a symmetrical composition with regularly spaced, punched fenestration throughout. The entrance is set center at the first floor and is defined by an elongated set of paired doors with full-height, divided-lights and flanking sidelights. On either side of the entrance are metal divided-light casement windows typical to the building. The second-floor features three typical metal windows spaced directly overtop the corresponding fenestration at the first-floor. Panels of fluted concrete are set between the first- and second-floor fenestration. Horizontal molding is set immediately below the first- and second-floor windows and extends the width of the façade.

The south and rear façades are defined by the typical board-formed concrete and regularly spaced typical metal divided-light windows; the horizontal molding continues from the primary façade to the south façade. The north façade directly abuts the north-adjacent building at 499 S. Arroyo Parkway.



Figure 5-4 501 S. Arroyo Parkway, east elevation, facing west

5.2.5 503 S. Arroyo Parkway

503 S. Arroyo Parkway is a one-story utilitarian commercial/industrial building constructed in 1921. The building features a flat roof with a short, stepped parapet centered on the roofline on the east elevation. The east elevation of the building features a large opening filled with a roll-top warehouse door. The north elevation abuts the adjacent building. The south elevation features no doors or fenestration.



Figure 5-5 503 S. Arroyo Parkway, south and east elevations, facing northwest

5.2.6 523 S. Arroyo Parkway

523 S. Arroyo Parkway, constructed in 1922 and identified as the former Lewis Iron Building, is a single-story brick masonry commercial building that fronts the west sidewalk along S. Arroyo Parkway with no setback. It is defined primarily by its flat roof profile with parapet wall and the brick masonry façades, which feature a mixture of running header bond patterns with horizontal banding of contrasting stacked and vertical header bonds. The primary (west) façade is predominantly symmetrical with two large arched storefront window openings with flanking pedestrian doors and an interstitial window set at center. All fenestrations are evenly spaced and set within punched openings. The two arched windows vary slightly with the south window being a full-height picture window with divided fanlight, and the north window featuring divided-lights throughout with a pronounced concrete sill. The two doors at the north and south ends are defined by full glazing panels within wood frames and are covered by simple awnings. The central window is a paired, divided-light casement window.

The north façade is a flush, brick masonry wall with a running bond pattern. The rear (west) façade features a flush stucco-clad wall plane, which is permeated only by a simple, metal door and metal seam awning. The south façade directly abuts the south-adjacent building at 541 S. Arroyo Parkway.



Figure 5-6 523 S. Arroyo Parkway, north and east elevations, facing southwest

5.2.7 541 S. Arroyo Parkway

541 S. Arroyo Parkway is a one-story mission revival-style/ Spanish revival style commercial building constructed in 1951. The building has a rectangular plan with a Spanish tile mansard roof. Mission-style parapets are centered on the south and east elevations. The south elevation features a recessed arched entryway with decorative concrete surrounds on the east portion of the elevation. A square tower with a Spanish tile hipped roof is located above the entry. The tower features two windows filled with wooden slats just below the roofline of the tower on each of the elevations. A fixed multi-light window with decorative concrete surrounds is centered on the elevation beneath the mission-style parapet. To the west of the window is an entry door with decorative concrete surrounds located beneath an awning with Spanish tile. A fixed multi-light window with decorative concrete surrounds is located on the west portion of the elevation beneath a short mission-style parapet. The west elevation features vents and a utility closet. The east elevation features a covered patio area with a Spanish tile roof. A chimney with decorative vents and a hipped Spanish tile roof is located on the roof above the covered patio. The north elevation partially abuts the adjacent building, and the remainder of the elevation has no doors or fenestration.



Figure 5-7 541 S. Arroyo Parkway, southeast elevation, facing northwest

6.0 IDENTIFIED HISTORICAL RESOURCES

6.1 PREVIOUSLY IDENTIFIED RESOURCES

6.1.1 Within the Project Area

501 S. Arroyo Parkway

501 S. Arroyo Parkway, identified as the Market Basket Warehouse Offices, was initially recorded by Carson Anderson in 1989. Anderson did not specify what criteria was considered for its historical significance but noted that it is "one of two or three best intact examples of 1940s Moderne design in the Arroyo Parkway Industrial Area" (Carson 1989). While Anderson noted that the building was part of an interconnected complex of utilitarian buildings, he did not note that these buildings contributed to the significance of 501 S. Arroyo Parkway. In 2000 the building was evaluated by Leslie Heumann of PCR services and was recommended as eligible for the Local Register "as an example of World War II era Modern vernacular commercial design" (Heumann 2000a).

On May 4, 2020 PaleoWest staff revisited 501 S. Arroyo Parkway and noted the existing condition of the building. PaleoWest staff found the building as largely unchanged in any way that would compromise its historic integrity. Therefore, PaleoWest concurs with the 2000 recommendation that 501 S. Arroyo Parkway is eligible for the Local Register and recommends that 501 S. Arroyo Parkway is locally eligible under CRHR Criterion C.

523 S. Arroyo Parkway

523 S. Arroyo Parkway, known as the former Lewis Iron Building, was initially recorded by Jas. Draeger and C. Anderson in 1989 and was not specifically recommended as eligible under any criteria (Draeger and Anderson 1989). In 2000 the building was evaluated by Leslie Heumann of PCR services, and was recommended as eligible for the Local Register "as an example of commercial design by the prominent local architecture firm of Marston and Van Pelt" (Heumann 2000b).

On May 4, 2020 PaleoWest staff revisited 523 S. Arroyo Parkway and noted the existing condition of the building. PaleoWest staff found the building as largely unchanged in any way that would compromise its historic integrity. Therefore, PaleoWest concurs with the 2000 recommendation that 501 S. Arroyo Parkway is eligible for the Local Register and recommends that 501 S. Arroyo Parkway is locally eligible under CRHR Criterion C.

6.1.2 Within the Project Vicinity

Coronet Building, 411 S. Arroyo Parkway

Located immediately north of the Project area, the Coronet Building at 411 S. Arroyo Parkway is a three-story Late Moderne style industrial building. Constructed in 1945, the building was designed by architects Normstrom & Anderson and features hallmarks of the Late Moderne style, including a large pylon sign located near the center of the façade, which is flanked by fluted detailing and metal sash industrial windows. The building is identified as having the potential to be eligible for listing on the NRHP, CRHR, and Local Register, but requires further evaluation (CHRID 2000a).

The three-story industrial building is located along the S. Arroyo Parkway commercial corridor in central Pasadena. The vicinity is defined by a dense, urban setting with a variety of property types and uses, including commercial, industrial, and residential of varied heights from one to seven stories.



Figure 6-1. Cornet Building at 411 S. Arroyo Parkway, view northwest (Google Maps, February 2021).

The Home Laundry Building, 432 S. Arroyo Parkway

The Home Laundry Building at 432 S. Arroyo Parkway is located immediately east of the Project area. Constructed in 1922, the Tudor style industrial building was designed by architects Marson, Van Pelt & Maybury. It is considered significant at the local level as a rare example of the Tudor style in an industrial property, as well as for its overall arrangement and plan with physically integrated commercial and industrial uses. It is also significant for its associations with the Home Laundry company, which was a commercial institution in early twentieth century Pasadena, as well as for its associations with numerous individuals important to the economic development of Pasadena and Southern California, including Daniel M. Linnard, Arnold J. Bertonneau, and Edward K. Hoak (Hlava, 1986).

The Home Laundry Building is set along the busy S. Arroyo Parkway commercial corridor in central Pasadena. The property's setting is urban and increasingly diverse with a variety of commercial and mixed-use developments in the vicinity.



Figure 6-2. The Home Laundry Building at 432 S. Arroyo Parkway, view northeast (Google Maps, February 2021).

Bryan's Cleaners, 544 S. Arroyo Parkway

Bryan's Cleaners is located at 544 S. Arroyo Parkway, immediately east across the street from the Project area. The single-story Streamline Moderne commercial building is identified as being potentially eligible for listing as a Local Landmark for its architectural style (Heumann 2000c).

The building is situated within the commercial setting along S. Arroyo Parkway in central Pasadena. The surrounding area features a mixture of commercial, industrial, and residential developments reflecting an increasingly diverse building stock in a dense, urban setting.



Figure 6-3. Bryan's Cleaners at 544 S. Arroyo Parkway, view northeast (Google Maps, February 2021).

Pasadena Humane Society Building, 361 S. Raymond Avenue

The Pasadena Humane Society Building is located at 361 S. Raymond Avenue, approximately one block northwest of the Project area. Listed on the NRHP in 1986, the two-story Spanish Colonial-Revival style complex was initially constructed in 1929 and expanded over the following years, reflecting the work of architects Hunt & Chambers and Robert Ainsworth. The property was designed and constructed for the Pasadena Humane Society, which continues to occupy the site with expanded facilities to form a centralized campus (CHRID 2000).

The building is located within an urban area of central Pasadena with multiple industrial, commercial, and residential developments within the vicinity.



Figure 6-4. Pasadena Humane Society Building at 361 S. Raymond Avenue, view southwest (Google Maps, February 2021).

Royal Laundry Complex, 443 S. Raymond Avenue

Located one block west of the Project area, the Royal Laundry Complex is a NRHP-listed industrial and commercial building in the central area of Pasadena. Initially constructed in 1927 and expanded in the 1930s, the complex is a collection of industrial buildings that housed a series of large-scale laundry companies during the early-to-mid twentieth century. The complex was significant for its association with the development of Automobile-oriented businesses in Pasadena, as well as for its architecture as an excellent example of both Spanish-Colonial Revival and Streamline Moderne styles in an industrial property. Additionally, the original 1927 portion of the complex is significant for its associations with master architect Gordon B. Kaufmann. The property was listed in the NRHP on September 29, 2007 (McAvoy and Janssen, 2007).

The complex was rehabilitated in the 2000s and converted to commercial office space. Situated in the urban setting of central Pasadena, the building is surrounded by a mixture of commercial, light-industrial, and residential developments.



Figure 6-5. The Royal Laundry Complex at 443 S. Raymond Avenue, view southwest (Google Maps, February 2021).

Raymond Flowers, 62 E. California Boulevard

Located one block west from the southwest corner of the Project Area, the former Raymond Flowers building is eligible for listing in the NRHP as a potential contributor to Pasadena's Japanese Florist Thematic Grouping Historic District. It is also considered individually eligible for designation as a Local Landmark. Constructed in 1933 for J. Oshiro, the property is a rare example of a pre-World War II Japanese-American flower shop. The property was identified in the City's "Ethnic History Research Project," which published findings in March 1995 (CHRID, 2004).

is situated within the commercial setting along E. California Boulevard in central Pasadena. The surrounding area is predominantly commercial and light-industrial in character and features a diverse building stock adding to the overall dynamic urban setting.



Figure 6-6. Former Raymond Flowers building at 62 E. California Boulevard, view south (Google Maps, December 2020).

George S. Hunt Studio & Shop Building, 161-171 E. California Boulevard

Located east along California Boulevard from the southeast corner of the Project area, the George S. Hunt Studio & Shop Building is a Spanish Colonial-Revival and Monterrey style commercial complex that has been determined individually eligible for designation as a Local Landmark for its architectural significance. Constructed in 1925, the complex was designed by renowned furniture maker George S. Hunt, who used the building as his primary studio and shop building, although he maintained multiple showrooms throughout the Los Angeles area through the 1920s. The complex was constructed by F.H. Ruppel, who was a revered contractor in Southern California during the early twentieth century, known for his adobe restoration work and innovations in seismic safety (Heumann, 2000d).

The building is situated within the predominantly commercial setting along E. California Boulevard in central Pasadena. The surrounding area features a mixture of commercial, industrial, and residential developments reflecting an increasingly diverse building stock in a dense, urban setting.



Figure 6-7. George S. Hunt Studio & Shop Building at 161-171 E. California Boulevard, view north (Google Maps, February 2021).

Wallace Neff Office, 180 E. California Boulevard

Located east along California Boulevard from the southeast corner of the Project Area, the Wallace Neff office is a Spanish Colonial-Revival and Monterrey style commercial building that

has been determined individually eligible for listing in the NRHP and has been designated as a contributor to the City's Marengo-Pico Landmark District. Constructed in 1927, the building is individually significant for its architecture and associations with both architect Wallace Neff and builder Frederick H. Ruppel, whom, in addition to designing and constructing the building, used it for their studio and office space. As a contributor to the City's Marengo-Pico Landmark District, the building is significant for its Period Revival architecture (Chima, 2011).

The building is situated within the mixed-use setting along E. California Boulevard in central Pasadena. The surrounding area features a mixture of various residential types, including early twentieth century single-family residences and contemporary condominiums, as well as post-war automobile-oriented commercial properties. Overall, the setting reflects an increasingly diverse building stock in a dynamic urban setting.



Figure 6-8. Wallace Neff Office at 180 E. California Boulevard, view southeast (Google Maps, March 2021).

Don Carlos Court, 374-386 S. Marengo Avenue

Located one block east of the Project Area, Bryan Court is a Spanish Colonial-Revival style Bungalow Court that was constructed in 1927. Designed by architect Clarence Hudson Burrell, the property is a significant example of the Bungalow Court, particularly in the Spanish Colonial-revival style. The property was identified in the 1980s as part of the Bungalow Courts of Pasadena multiple properties listing, and was officially listed in the NRHP in July 1983 (National Park Service 1983).

The buildings at Don Carlos Court are a series of simple Spanish Colonial-Revival style residential cottages arranged facing an insular courtyard. The property is set in the highly urbanized central area of Pasadena with dense multi-family, mixed-use, and commercial developments in the vicinity. However, the Bungalow Court continues to retain its sense of place, due in part to the retention of similar early twentieth properties along S. Marengo Avenue and the insular orientation of the court configuration.



Figure 6-9. The Don Carlos Court at 374-386 S. Marengo Avenue, view west (Google Maps, December 2020).

Evanston Inn, 385-395 S. Marengo Avenue

The Evanston Inn property is located at 385-395 S. Marengo Avenue, one block northeast of the Project area. Initially constructed in 1897 and altered over the following 10 years, the Queen Anne and Colonial style Evanston Inn was identified in 1981 as a rare example of a 19th century wood-frame hotel, which is also significant for its associations with the early development of tourism as an economic driver for Pasadena. The property was listed in the NRHP in September 1984 (Sicha, 1984).

The Evanston Inn property is situated in the highly urban setting of central Pasadena and immediately surrounding by multiple-story, multi-family residential developments, as well as increasingly dense mixed-use and commercial properties further to the north and west. However, the overall streetscape along S. Marengo Avenue continues to retain many low-scale residential buildings that date to the early twentieth century, which continues to contribute to the property's overall sense of place.



Figure 6-10. The Evanston Inn property at 385 S. Marengo Avenue, view west (Google Maps, December 2020).

Bryan Court, 427 S. Marengo Avenue

Located one block east of the Project Area, Bryan Court is a Craftsman style Bungalow Court that was constructed in 1916. Designed by architect D. M. Renton, the property is a significant example of the Bungalow Court, which is a residential property type ubiquitous to early twentieth century Pasadena, and which proliferated throughout California and other parts of the U.S. The property was identified in the 1980s as part of the Bungalow Courts of Pasadena multiple properties listing, and was officially listed in the NRHP in April 1986 (National Park Service 1986).

The buildings at Bryan Court are a series of Craftsman style cottages arranged facing an insular courtyard that served as shared green space among the residents. The property is set in the highly urbanized central area of Pasadena, yet continues to retain its sense of place, due in part to the retention of similar properties along S. Marengo Avenue and the inward facing orientation of the individual buildings.



Figure 6-11. The Craftsman-style Bungalow Court at 467 S. Marengo Avenue, listed on the NRHP as Bryan Court, view west (Google Maps, December 2020).

South Marengo Historic District

Located southeast of the Project Area, the South Marengo Historic District includes twelve Craftsman bungalows that were constructed between 1901 and 1916. The residential buildings face S. Marengo Avenue and are located between Bellevue Drive to the north and California Boulevard to the south. The district was listed on the NRHP on June 2, 1982 and is cited as significant for its exemplary collection of Craftsman style bungalows, which are quintessential to Pasadena's architectural character. The NRHP nomination, which was prepared in 1982, also notes that the district is located in an increasingly urbanized environment with multiple-story buildings in the surrounding area, but continued to retain "the ambiance of a pre-World War I-era street" (Sicha, 1981). Since its recordation and subsequent nomination, this trend has continued with increased development occurring in this central portion of Pasadena; however, the historic district itself continues to retain its sense of place as an early 20th century residential neighborhood.



Figure 6-12. Craftsman-style bungalows at 462 and 467 S. Marengo Avenue, both contributors to the NRHP-listed South Marengo Historic District, view east (Google Maps, December 2020).

Marengo-Pico Landmark District

Located southeast of the Project Area, the Marengo-Pico Landmark District is a relatively small district limited to a portion of the city block bounded by E. California Boulevard (north), S. Marengo Avenue (east), Pico Street (south), and Picher Alley (west). The district features a grouping of single-family residences and one commercial building that were largely constructed between 1912 and 1927. The contributing residences include four Craftsman style bungalows facing S. Marengo Avenue, whereas the one commercial building is the Spanish Colonial Revival style Wallace Neff Office building at 180 E. California Boulevard. The district was designated a Local Landmark District in 2008 as a representation of a rare collection of intact and architecturally significant early twentieth century buildings located south of California Boulevard (City of Pasadena, 2008).

At the time of designation, the surrounding area was noted for its diverse building stock, which includes a mixture of residential and commercial property types that were constructed between the post-war period to recent years. This trend has continued and the overall setting surrounding the Marengo-Pico Landmark District continues to reflect the dynamic character of a centrally located mixed-use area in central Pasadena.



Figure 6-13. Contributing Craftsman Bungalows along S. Marengo Avenue in the Marengo-Pico Landmark District, view west (Google Maps, February 2021).

6.2 RESOURCES REQUIRING EVALUATION

6.2.1 491 S. Arroyo Parkway

California Register of Historical Resources Evaluation

CRHR Criterion 1: 491 S. Arroyo Parkway does not meet CRHR Criterion 1 for association with events that have made a significant contribution to the broad patterns of California's history and cultural heritage. The building is one of many commercial/industrial buildings constructed throughout California and Pasadena throughout the twentieth century. While the building likely housed many different tenants, the two historical uses that were identified were for a garden spray manufacturer and a water conditioning service. There is no indication that significant historical events related to either of these industries occurred at this location. Research has yielded no information to suggest that any significant events associated with the history of Pasadena, California, or the United States are specifically associated with this building. Therefore, 491 S. Arroyo Parkway is not eligible for the CRHR under Criterion 1.

CRHR Criterion 2: 491 S. Arroyo Parkway does not meet CRHR Criterion 2 for any direct associations with the productive lives of persons important in local, state, or national history. The building has housed several tenants over time and has been the workplace of numerous individuals, however; research has yielded no indication that any person of historical significance is specifically associated with this building. Therefore, 491 S. Arroyo Parkway is not eligible for the CRHR under Criterion 2.

CRHR Criterion 3: 491 S. Arroyo Parkway does not meet CRHR Criterion 3 for embodying the distinctive characteristics of a type, period, and method of construction, or as the work of an important designer or builder, or as having high artistic value. The building is a common and unremarkable example of Modern Vernacular architecture. It is nearly indistinguishable from other buildings of that style constructed throughout the 20th century. Further, the addition of commercial storefront windows and an entryway has significantly compromised the historical appearance of the building. While the architects and builders of the building were not identified, it is unlikely that the building represents the work of a master. Therefore, 491 S. Arroyo Parkway is not eligible for the CRHR under Criterion 3.

CRHR Criterion 4: 491 S. Arroyo Parkway does not meet CRHR Criterion 4 since it is unlikely to yield information important to prehistory or history. It is unlikely that this property has the potential to broaden our understanding of twentieth century building construction or the history of Pasadena. Therefore, 491 S. Arroyo Parkway is not eligible for the CRHR under Criterion 4.

City of Pasadena Historic Preservation Ordinance

491 S. Arroyo Parkway is recommended not eligible as a Historic Monument or a Landmark under the Local Register following the reasons outlined in the preceding section regarding eligibility under the comparable CRHR criteria. The criteria specific to Historic Signs and to Landmark Trees are not applicable to this building. 491 S. Arroyo Parkway is not located within an existing Landmark District.

6.2.2 495 S. Arroyo Parkway

California Register of Historical Resources Evaluation

CRHR Criterion 1: 495 S. Arroyo Parkway does not meet CRHR Criterion 1 for association with events that have made a significant contribution to the broad patterns of California's history and cultural heritage. The building is one of many commercial/industrial buildings constructed throughout California and Pasadena throughout the twentieth century. Research has yielded no information to suggest that any significant events associated with the history of Pasadena, California, or the United States are specifically associated with this building. Therefore, 495 S. Arroyo Parkway is not eligible for the CRHR under Criterion 1.

CRHR Criterion 2: 495 S. Arroyo Parkway does not meet CRHR Criterion 2 for any direct associations with the productive lives of persons important in local, state, or national history. The building's long term occupant was W.C. Crowell a contractor and builder responsible for the construction of several significant buildings including the Scottish Rite Cathedral in Pasadena, the NRHP-listed Kindel Building, the Huntington Library, the Atheneum at California Institute of Technology, and the Pasadena Civic Auditorium. While W.C. Crowell undoubtedly made significant contributions to the built environment of Southern California, this building does not convey that significance. Better examples that do convey his significance include the buildings listed above. Research has yielded no information to suggest that other persons, including other occupants of the building, of potential historical significance are specifically associated with this building. Therefore, 495 S. Arroyo Parkway is not eligible for the CRHR under Criterion 2.

CRHR Criterion 3: 495 S. Arroyo Parkway does not meet CRHR Criterion 3 for embodying the distinctive characteristics of a type, period, and method of construction, or as the work of an important designer or builder, or as having high artistic value. The building is a common and unremarkable example of Modern Vernacular architecture. It is nearly indistinguishable from other buildings of that style constructed throughout the 20th century. Further, the addition of commercial storefront windows and an entryway has significantly compromised the historical appearance of the building. While the architect and builder of the building was not identified, there is a possibility that it was designed and/or constructed by W.C. Crowell. Even in that event, the building is not a masterful example of his work and does not adequately express the significance of his accomplishments as a builder. Therefore, 495 S. Arroyo Parkway is not eligible for the CRHR under Criterion 3.

CRHR Criterion 4: 495 S. Arroyo Parkway does not meet CRHR Criterion 4 since it is unlikely to yield information important to prehistory or history. It is unlikely that this property has the potential to broaden our understanding of twentieth century building construction or the history of Pasadena. Therefore, 495 S. Arroyo Parkway is not eligible for the CRHR under Criterion 4.

City of Pasadena Historic Preservation Ordinance

495 S. Arroyo Parkway is recommended not eligible as a Historic Monument or a Landmark under the Local Register following the reasons outlined in the preceding section regarding eligibility under the comparable CRHR criteria. The criteria specific to Historic Signs and to Landmark Trees are not applicable to this building. 495 S. Arroyo Parkway is not located within an existing Landmark District.

6.2.3 499 S. Arroyo Parkway

California Register of Historical Resources Evaluation

CRHR Criterion 1: 499 S. Arroyo Parkway does not meet CRHR Criterion 1 for association with events that have made a significant contribution to the broad patterns of California's history and cultural heritage. The building is one of many commercial/industrial buildings constructed throughout California and Pasadena throughout the twentieth century. Research has yielded no information to suggest that any significant events associated with the history of Pasadena, California, or the United States are specifically associated with this building. Therefore, 499 S. Arroyo Parkway is not eligible for the CRHR under Criterion 1.

CRHR Criterion 2: 499 S. Arroyo Parkway does not meet CRHR Criterion 2 for any direct associations with the productive lives of persons important in local, state, or national history. The building has housed several tenants over time and has been the workplace of numerous individuals, however; research has yielded no indication that any person of historical significance is specifically associated with this building. Therefore, 499 S. Arroyo Parkway is not eligible for the CRHR under Criterion 2.

CRHR Criterion 3: 499 S. Arroyo Parkway does not to meet CRHR Criterion 3 for embodying the distinctive characteristics of a type, period, and method of construction, or as the work of an important designer or builder, or as having high artistic value. The building is a common and unremarkable example of Modern Vernacular architecture. It is nearly indistinguishable from other buildings of that style constructed throughout the 20th century. While the architects and builders of the building were not identified, it is unlikely that the building represents the work of a master. Therefore, 499 S. Arroyo Parkway is not eligible for the CRHR under Criterion 3.

CRHR Criterion 4: 499 S. Arroyo Parkway does not meet CRHR Criterion 4 since it is unlikely to yield information important to prehistory or history. It is unlikely that this property has the potential to broaden our understanding of twentieth century building construction or the history of Pasadena. Therefore, 499 S. Arroyo Parkway is not eligible for the CRHR under Criterion 4.

City of Pasadena Historic Preservation Ordinance

499 S. Arroyo Parkway is recommended not eligible as a Historic Monument or a Landmark under the Local Register following the reasons outlined in the preceding section regarding eligibility under the comparable CRHR criteria. The criteria specific to Historic Signs and to Landmark Trees are not applicable to this building. 499 S. Arroyo Parkway is not located within an existing Landmark District.

6.2.4 503 S. Arroyo Parkway

California Register of Historical Resources Evaluation

CRHR Criterion 1: 503 S. Arroyo Parkway does not meet CRHR Criterion 1 for association with events that have made a significant contribution to the broad patterns of California's history and

cultural heritage. The building is one of many commercial/industrial buildings constructed throughout California and Pasadena throughout the twentieth century. Research has yielded no information to suggest that any significant events associated with the history of Pasadena, California, or the United States are specifically associated with this building. Therefore, 503 S. Arroyo Parkway is not eligible for the CRHR under Criterion 1.

CRHR Criterion 2: 503 S. Arroyo Parkway does not meet CRHR Criterion 2 for any direct associations with the productive lives of persons important in local, state, or national history. The building has housed several tenants over time and has been the workplace of numerous individuals, however; research has yielded no indication that any person of historical significance is specifically associated with this building. Therefore, 503 S. Arroyo Parkway is not eligible for the CRHR under Criterion 2.

CRHR Criterion 3: 503 S. Arroyo Parkway does not to meet CRHR Criterion 3 for embodying the distinctive characteristics of a type, period, and method of construction, or as the work of an important designer or builder, or as having high artistic value. The building is an unremarkable and common example of a utilitarian industrial building. While the neighboring 501 S. Arroyo Parkway is located immediately to the west, it shares none of the characteristics of Moderne design that make the building at 501 S. Arroyo Parkway historically significant. Additionally, the north-adjacent building at 499 S. Arroyo Parkway, with which the subject building appears to share an internal connection, has been evaluated above under this criterion and does not appear to rise to a level of significance for its architecture that would result in a significant association. Therefore, 503 S. Arroyo Parkway is not eligible for the CRHR under Criterion 3.

CRHR Criterion 4: 503 S. Arroyo Parkway does not meet CRHR Criterion 4 since it is unlikely to yield information important to prehistory or history. It is unlikely that this property has the potential to broaden our understanding of mid-twentieth century building construction, or the history of Pasadena. Therefore, 503 S. Arroyo Parkway is not eligible for the CRHR under Criterion 4.

City of Pasadena Historic Preservation Ordinance

503 S. Arroyo Parkway is recommended not eligible as a Historic Monument or a Landmark under the Local Register following the reasons outlined in the preceding section regarding eligibility under the comparable CRHR criteria. The criteria specific to Historic Signs and to Landmark Trees are not applicable to this building. 503 S. Arroyo Parkway is not located within an existing Landmark.

6.2.5 541 S. Arroyo Parkway

California Register of Historical Resources Evaluation

The following presents an assessment of the historical significance of 541 S. Arroyo Parkway by applying the procedure and criteria for the CRHR. The purpose of this assessment is to evaluate the eligibility of the resource for listing on the CRHR.

CRHR Criterion 1: 541 S. Arroyo Parkway does not meet CRHR Criterion 1 for association with events that have made a significant contribution to the broad patterns of California's history and cultural heritage. The building is one of many restaurants constructed throughout California and the United States during the mid-twentieth century. Research has yielded no information to suggest that any significant events associated with the history of Pasadena, California, or the United States are specifically associated with this building. Therefore, 541 S. Arroyo Parkway is not eligible for the CRHR under Criterion 1.

CRHR Criterion 2: 541 S. Arroyo Parkway does not meet CRHR Criterion 2 for any direct associations with the productive lives of persons important in local, state, or national history. The building was constructed by restaurateurs Ed and Loretta Nicastro and was home to their Westward Ho Steak House until 1977. Further, several musicians performed at the restaurant during its period as the Westward Ho Steakhouse. After 1977 several different owners and operators, including a partnership between several International House of Pancakes executives either owned or operated out of the property. Research has yielded no information to suggest that any of these individuals were historically important or that any persons of historical significance are specifically associated with this building. While the Nicastros were prominent business owners and the Westward Ho Steakhouse was a popular dining destination, there is no indication that they made a substantial contribution to the history of Pasadena, California, or the United States. Therefore, 541 S. Arroyo Parkway is not eligible for the CRHR under Criterion 2.

CRHR Criterion 3: 541 S. Arroyo Parkway does not to meet CRHR Criterion 3 for embodying the distinctive characteristics of a type, period, and method of construction, or as the work of an important creative individual, or as having high artistic value. The building was initially a mission revival-style building but has subsequently undergone renovations that have included Spanish revival-style elements such as the tower over the entryway. Both mission revival and Spanish revival style architecture are ubiquitous in southern California, as is the amalgamation of the two styles. This building is not a remarkable example of either style nor is it a remarkable example of the combination of the two styles. Further, neither the Mission Revival nor the Spanish Revival styles are indicative of the building's 1951 construction date. While the architects and builders of the building were not identified, it is unlikely that the building represents the work of a master. Therefore, 541 S. Arroyo Parkway is not eligible for the CRHR under Criterion 3.

CRHR Criterion 4: 541 S. Arroyo Parkway does not meet CRHR Criterion 4 since it is unlikely to yield information important to prehistory or history. It is unlikely that this property has the potential to broaden our understanding of mid-twentieth century building construction, the history of the restaurant industry, or the history of Pasadena. Therefore, 541 S. Arroyo Parkway is not eligible for the CRHR under Criterion 4.

City of Pasadena Historic Preservation Ordinance

541 S. Arroyo Parkway is recommended not eligible as a Historic Monument or a Landmark under the Local Register following the reasons outlined in the preceding section regarding eligibility under the comparable CRHR criteria. The criteria specific to Historic Signs and to Landmark Trees are not applicable to this building. 541 S. Arroyo Parkway is not located within an existing Landmark District.

6.2.6 Potential South Arroyo Parkway Historic District

A historic district possesses a significant concentration, linkage, or continuity of sites buildings, structures, or objects united historically or aesthetically by plan or physical development. Collectively, the buildings located at 491, 495, 499, 501, 503, 523, and 541 S. Arroyo Parkway represent a potential historic district because they were all constructed within the same general time (1921-1945) within an industrial zone established by the city of Pasadena in 1914 and were all constructed for similar use; however, based on the evaluation below, the potential district is not eligible for historical designation due to lack of integrity.

California Register of Historical Resources Evaluation

CRHR Criterion 1: If it retained integrity, the South Arroyo Parkway Industrial District could locally meet CRHR Criterion 1 for association with events that have made a significant contribution to the broad patterns of California's history and cultural heritage. The establishment of industrial zones, while part of the standard practices of city government, is representative of the growth that Pasadena experienced in the early 20th Century. While the South Arroyo Parkway Industrial District was not the only industrial district established by the City of Pasadena, its proximity to the downtown commercial area and the railroad tracks suggests its importance to the economic development of the City.

CRHR Criterion 2: The South Arroyo Parkway Industrial District does not meet CRHR Criterion 2 for any direct associations with the productive lives of persons important in local, state, or national history. Research has yielded no information to suggest that any persons of historical significance are specifically associated with the buildings that comprise the South Arroyo parkway Industrial District, collectively. The industrial zone established by the City of Pasadena in 1914 was planned as part of the standard duties of local governments and is not attributed to a single individual. Therefore, the Arroyo Parkway Industrial District is not eligible for the CRHR under Criterion 2.

CRHR Criterion 3: The South Arroyo Parkway Industrial District does not meet CRHR Criterion 3 for embodying the distinctive characteristics of a type, period, and method of construction, or as the work of an important creative individual, or as having high artistic value. The buildings were constructed by different developers over time and do not share a significant, planned, or cohesive architectural style. Therefore, The South Arroyo Parkway Industrial District is not eligible for the CRHR under Criterion 3.

CRHR Criterion 4: The South Arroyo Parkway Industrial District does not meet CRHR Criterion 4 since it is unlikely to yield information important to prehistory or history. It is unlikely that this grouping of properties has the potential to broaden our understanding of mid-twentieth century building construction and city planning, or the history of Pasadena. Therefore, The South Arroyo Parkway Industrial District is not eligible for the CRHR under Criterion 4.

Integrity: The CRHR recognizes a property's historic integrity through seven aspects or qualities. These include location, design, setting, materials, workmanship, feeling, and association. For a property to be eligible, it must retain some, if not most, of these aspects of integrity. With the exception of 501 and 523 S. Arroyo Parkway, the buildings within the potential South Arroyo Parkway Historic District do not generally retain integrity of materials, workmanship, design, feeling, or association. The buildings have been modified over time to accommodate their current uses as commercial buildings. These modifications have led to a loss of historic material and has fundamentally changed the use and design of the buildings. Buildings that were constructed during the period of significance of the potential district have been substantially altered due to new construction over time, fragmenting the association of the extant buildings with their interrelated historical uses and compromising the integrity of setting, feeling, and association. Therefore, the South Arroyo Parkway Industrial District does not retain sufficient integrity to convey its historical significance and is not eligible for listing in the CRHR as a historic district.

City of Pasadena Historic Preservation Ordinance

The South Arroyo Parkway Industrial District is not located within an existing Landmark District and does not retain sufficient integrity to be considered a landmark district, based on the evaluation above.

7.0 IMPACTS ASSESSMENT

7.1 IMPACT ASSESSMENT FRAMEWORK

As outlined in Appendix G of the Environmental Checklist of the CEQA Guidelines, a “project with an effect that may cause a substantial adverse change in the significance of an historic resource is a project that may have a significant effect on the environment” (CEQA Guidelines Section 15064.5). A “substantial adverse change” in terms of historical resources is defined as “physical demolition, destruction, relocation, or alteration such the significance of an historical resource would be impaired”

The CEQA Guidelines go on to state, “Generally, a project that follows the Secretary of the Interior’s Standards for the Treatment of Historic Properties with Guidelines for Preserving, Rehabilitating, Restoring, and Reconstructing Historic Buildings or the Secretary of the Interior’s Standards for Rehabilitation and Guidelines for Rehabilitating Historic Buildings (1995), Weeks and Grimmer, shall be considered as mitigated to a level of less than a significant impact on the historical resource.”

The Secretary of the Interior’s Standards for rehabilitation include the following:

- **Rehabilitation Standard 1:** A property will be used as it was historically or be given a new use that requires minimal change to its distinctive materials, features, spaces, and spatial relationships.
- **Rehabilitation Standard 2:** The historic character of a property will be retained and preserved. The removal of distinctive materials or alteration of features, spaces, and spatial relationships that characterize a property will be avoided.
- **Rehabilitation Standard 3:** Each property will be recognized as a physical record of its time, place, and use. Changes that create a false sense of historical development, such as adding conjectural features or elements from other historic properties, will not be undertaken.
- **Rehabilitation Standard 4:** Changes to a property that have acquired historic significance in their own right will be retained and preserved.
- **Rehabilitation Standard 5:** Distinctive materials, features, finishes, and construction techniques or examples of craftsmanship that characterize a property will be preserved.
- **Rehabilitation Standard 6:** Deteriorated historic features will be repaired rather than replaced. Where the severity of deterioration requires replacement of a distinctive feature, the new feature will match the old in design, color, texture, and, where possible, materials. Replacement of missing features will be substantiated by documentary and physical evidence.
- **Rehabilitation Standard 7:** Chemical or physical treatments, if appropriate, will be undertaken using the gentlest means possible. Treatments That cause damage to historic materials will not be used.
- **Rehabilitation Standard 8:** Archaeological resources will be protected and preserved in place. If such resources must be disturbed, mitigation measures will be undertaken.

- **Rehabilitation Standard 9:** New additions, exterior alterations, or related new construction will not destroy historic materials, features, and spatial relationships that characterize the property. The new work shall be differentiated from the old and will be compatible with the historic materials, features, size, scale and proportion, and massing to protect the integrity of the property and its environment.
- **Rehabilitation Standard 10:** New additions and adjacent or related new construction will be undertaken in such a manner that, if removed in the future, the essential form and integrity of the historic property and its environment would be unimpaired.

7.2 IMPACTS ASSESSMENT

7.2.1 Resources in the Project Area

501 S. Arroyo Parkway

In terms of physical impacts to 501 S. Arroyo Parkway, the proposed Project would not demolish or relocate the two-story Moderne-style building, essentially retaining the resource in its existing location as-is. The Project, which includes the construction of a seven-story medical building, will be setback away from this building and would not result in the direct alteration to any of the existing façades or character-defining features. However, if not properly protected during construction, there is the potential for the property to be physically impacted during construction.

In terms of vibration related to construction activities, there will be no impacts to the historic resource at 501 S. Arroyo Parkway. The noise and vibration study for the Project notes that the most damaging sources of vibrations include blasting and pile driving. Lesser, yet still disruptive sources include operating heavy-earth moving and construction equipment, as well as operations from nearby mass transit, including rail. The Project will not include blasting or pile driving as part of the construction, so no vibrations from these particularly damaging activities will impact the subject property. In terms of construction equipment, the study identifies that the vibration resulting from the equipment proposed for the Project have the potential to result in damaging vibrations; however, MM-NOI-1 identifies specific actionable items to reduce the potentially damaging vibrations to a less-than-significant level, which translates to the preservation of the historical integrity of the existing historical resources. MM-NOI-1 outlines that setbacks for construction activities around 501 S. Arroyo Parkway will greatly reduce the potential for vibration-related cosmetic damage. Furthermore, vibration monitoring equipment on-site will provide data regarding the existing vibration in relation to vibration level thresholds. If vibration levels exceed these thresholds, the alternatives to reduce vibration levels will be explored. Lastly, MM-NOI-1 explicitly states that any vibration-induced cosmetic damage to the existing buildings, including 501 S. Arroyo Parkway, will be repaired in accordance with the Standards following consultation with a qualified historic preservation professional that meets the Secretary of the Interior's Professional Qualification Standards for architectural history or historic architecture. While MM-NOI-1 thoroughly addresses potential impacts to 501 S. Arroyo Parkway caused by vibration, any accidents related to smaller-scale equipment and transportation vehicles throughout the site coming in contact with the building may have the potential to physically alter significant materials or character-defining features of the building, thus resulting in physical impacts to 501 S. Arroyo Parkway.

In terms of visual impacts, the design of the Project is sympathetic to the historical resource with the generous setbacks, stepped forms, and ample solid-to-void ratio to break up the massing. If

the design of the Project continues to change, the City's design review process will require compliance with the Secretary of the Interior's Standards for rehabilitation as part of the final approvals for the Project. As stated previously, a project that complies with the Secretary of the Interior's Standards for the Treatment of Historic Properties is considered to be mitigated to a less-than-significant level for historical resources. Therefore, the Project will have less-than-significant visual impacts to 501 S. Arroyo Parkway.

Overall, the proposed Project is likely to have a less-than-significant impact on the historical resource at 501 S. Arroyo Parkway. However, current unknowns about the Project stemming from construction activities and potential accidents physically damaging the building have the potential to impact the resource.

Future tenant improvements that are not within the scope of the current development proposal will be required by the City's Zoning Code to undergo design review for any exterior changes proposed to be made to the building. As an identified historic resource, a finding of consistency with the Secretary of the Interior's Standards will be required to be made in conjunction with that process. Therefore, no significant impacts related to future tenant improvements would occur.

523 S. Arroyo Parkway

The existing one-story commercial building at 523 S. Arroyo Parkway will not be demolished or relocated as part of the Project, retaining the resources in its existing location primarily as-is. The primary (east) façade of the building, as well as the side façades, will be retained in their existing condition, leaving the character-defining features intact. However, the rear (west) façade will be adjoined to the proposed tower in a way that has not been determined. This has the potential to result in significant physical impacts to the building.

As with 501 S. Arroyo Parkway, potential vibration-induced damage to 523 S. Arroyo Parkway is thoroughly addressed through MM-NOI-1. However, potential physical damage resulting from construction activities, such as collisions, is less clear at this time and has the potential to impact the resource.

In terms of overall setting, the Project and its large buildings will be a notable departure from the existing one-to-three story character of the surrounding block, although consistent with the overall urban and dynamic character of this central location within Pasadena. The design of the Project is responsive to the historical resource at 523 S. Arroyo Parkway in its setbacks, stepped façades, and breaking up of the massing with the generous solid-to-void ratio throughout. Although future changes in the design that may be proposed during the City's review processes have the potential to result in further impacts to the resource, due to the presence of historic resources in the Project area, the City's design review process will ensure that the project is consistent with the Secretary of the Interior's Standards. This will address potential visual impacts, as well as the undetermined way in which the Project will connect the proposed building with the historical resource at 523 S. Arroyo Parkway, ensuring that all design features are Standards compliant. As noted previously, projects found to be consistent with the Secretary of the Interior's Standards are considered under CEQA to be mitigated to a less-than-significant level.

Therefore, the proposed Project is also likely to have a less-than-significant impact on the historical resource at 523 S. Arroyo Parkway, although the construction of the project in close proximity to the resource has the potential to significantly impact the resource if it is not properly protected during construction.

7.2.2 Historical Resources in the Project Vicinity

As outlined in previous sections, there are several historical resources identified in the surrounding Project Vicinity. These include the following:

- Cornet Building, 411 S. Arroyo Parkway
- The Home Laundry Building, 432 S. Arroyo Parkway
- Bryan's Cleaners, 544 S. Arroyo Parkway
- Pasadena Humane Society Building, 361 S. Raymond Avenue
- Royal Laundry Complex, 433 S. Raymond Avenue
- Raymond Flowers, 62 E. California Boulevard
- George S. Hunt Studio & Shop Building, 161 E. California Boulevard
- Wallace Neff Office, 180 E. California Boulevard
- Don Carlos Court, 374-386 S. Raymond Avenue
- Evanston Inn, 385-395 S. Marengo Avenue
- Bryan Court, 427 S. Marengo Avenue
- South Marengo Historic District
- Marengo-Pico Landmark District

While these resources are located outside of the Project area and will not be directly altered as part of the construction activities or resulting project, there is the potential of the Project to alter their respective integrity of setting, feeling, and association, which may affect their listing or eligibility for listing on the NRHP, CRHR, or Local Register. This would constitute as a "substantial adverse change" and significant impact under CEQA.

As noted previously, projects found to be consistent with the Secretary of the Interior's Standards are considered under CEQA to be mitigated to a less-than-significant level. The Standards for rehabilitation are predominantly focused on physical alterations, although there is language pertinent to surrounding resources included under Rehabilitation Standards 2, 9, and 10. The following discussion under these Standards for rehabilitation applies to all of the resources in the vicinity.

Rehabilitation Standard 2

The historic character of each of the aforementioned historic resources in the Project Vicinity will be retained and preserved. These buildings will not be physically altered by the project, and will retain all character-defining features of each historical resource in their existing condition following the completion of the Project. In terms of spatial relationships, each of these historical resources will retain their existing relationship within their respective settings of the S. Arroyo Parkway commercial corridor, the industrial and commercial areas along S. Raymond Avenue, and the more residential character found along S. Marengo Avenue. While the proposed Project will introduce a new tower building into the general vicinity of many of these historical resources, this is not a departure from the existing conditions of the area, which is defined by an intensive urban setting with that is reflected by a dynamic building stock with varied periods of construction with low and mid-rise heights. Overall, the Project is consistent with the general character of this area of Pasadena and the existing uses. Therefore, the introduction of the new buildings will not alter broader spatial relationships within the setting of each of these resources, complying with Rehabilitation Standard 2.

Rehabilitation Standard 9

As described above, the resources in the Project Vicinity will not be physically altered by the Project and will retain all of their character-defining features and historic materials following its completion. While the proposed tower will be seven stories tall and a notable departure from the existing one- to three-story height of the subject block, the overall Project Vicinity is set within a

broader dynamic urban setting that is characterized by numerous property types, building forms, and heights, which correspond with multiple periods of construction spanning from the early twentieth century to the present-day. The Project will reflect those dynamic characteristics of the overall setting and will not present a departure from existing setting.

Similarly, the Project will be clearly contemporary in design and construction and will not create a false sense of historical development in relation to any of the historical resource's setting. Preliminary plans also demonstrate a typical contemporary building with regularly repeating windows and setbacks that break up the overall massing and reduce the bulkiness of the proposed design. Materials appear to be in a contemporary material palette, which feature some materials that are reflective of the more industrial and commercial character of those relevant resources nearby. While it is noted that the design is in its early stages and may change, the City's design review process will require a finding of compliance with the Standards. Therefore, the Project will continue to be reviewed for compatibility with nearby historic resources and will ultimately comply with Rehabilitation Standard 9 upon issuance of final approvals.

Rehabilitation Standard 10

The resources identified in the Project Vicinity, as outlined above, are all located outside of the Project area and will not be directly affected by the proposed Project. If the proposed medical tower were to be removed in the future, the seven-story structure would no longer be in place and the overall character of the subject block would revert to its current one-to-three story height. Therefore, the essential form and integrity of these resource's surrounding environment would be retained and would comply with Rehabilitation Standard 10.

7.3 MITIGATION MEASURES

To reduce the potential impacts to a less-than significant on the historical resources within the Project Area and Project Vicinity, the following mitigation measures are proposed.

Mitigation Measure 1: Standards Compliant Protection Protocols & Construction Monitoring

The Project applicant shall engage with a licensed architect and/or engineer that meets the Secretary of the Interior's Professional Qualifications Standards for historic architect to develop a series of protection interventions and protocols that will preserve the two historical resources in the Project area – 501 and 523 S. Arroyo Parkway – during construction activities. These measures should take into consideration the protection of and security of both resources, particularly the preservation of the character-defining features through the installation of physical protective barriers around each resource and the creation of site protocols that will eliminate the potential for physical damage resulting from impacts with construction and transport equipment.

To ensure the protection of these resources and their character-defining features, all protective barriers (which shall be installed prior to the initiation of any construction activity) and protocols shall be compliant with the *Secretary of the Interior's Standards for Rehabilitation and Guidelines for Rehabilitating Historic Buildings* and be subject to review and approval by the City planning staff.

Site protocols for protecting the historical resources shall outline issues related to site access and navigation by contractors and construction personnel to reduce the potential for any inadvertent accidents between equipment and the two on-site historical resources. Additionally, a series of emergency measures shall be developed that outlined specific step-by-step

processes in the event that an accident involves one of the historical resources. This will likely include the following:

- 1) Stop-work protocols after an accident involving a historical resource occurs,
- 2) Notification procedures and identification key contacts,
- 3) Identification of qualified historic preservation professionals to investigate the historical resources following the determination that the area is safe,
- 4) Thorough conditions assessment of the resource by the qualified consultant to ascertain the level and extent of the damage; and
- 5) Preparation of a historical resource treatment plan to stabilize the historical resource and address the damage, which will be submitted to City staff for review and approval prior to completing the work and resumption of construction activities.

Additionally, protocols shall include regular on-site monitoring during construction activities by historic preservation consultant, either a SOI Qualified historic architect or architectural historian. The historic preservation consultant shall document the existing conditions of each resource prior to the initiation of any construction activity and prior to installation of the protective barriers and implementation of the protection protocols. This documentation phase will include high resolution digital photographs of each façade, as well as details of character-defining features for each resource. During construction, the historic preservation consultant shall prepare field report memoranda to the City confirming that the Standards compliant protection barriers are installed in accordance with the Standards, and that agreed upon protocols are being followed throughout the course of the Project. These memoranda will be submitted to City staff for their records and review. A final report outlining the conditions of the historical resources prior, during, and following the Project's construction shall be issued to the City for approval following construction activities and prior to the issuance of a Certificate of Occupancy.

8.0 CONCLUSION

The buildings at 491, 495, 499, 503, and 541 S. Arroyo Parkway were individually evaluated for historical significance by applying the criteria of the CRHR and the Local Register using data gathered during the pedestrian survey and information acquired through historical research. PaleoWest's analysis finds that the buildings at 491, 495, 499, 503, and 541 S. Arroyo Parkway are not eligible for inclusion in the CRHR or the Local Register. PaleoWest also concurs with the previous evaluation and determination that the buildings at 501 S. Arroyo Parkway and 523 S. Arroyo Parkway are eligible for the Local Register and observed no changes that would compromise that assessment. Further, PaleoWest finds that the buildings at 501 S. Arroyo Parkway and 523 S. Arroyo Parkway are locally eligible for the CRHR under Criterion C. Therefore, the buildings at 501 S. Arroyo Parkway and 523 S. Arroyo Parkway are historical resources for the purposes of CEQA.

Collectively, the buildings located at 491, 495, 499, 501, 503, 523, and 541 S. Arroyo Parkway represent a potential historic district (referred to as the South Arroyo Parkway Industrial District) due to the timing of their construction and original development of industrial uses along a railroad and near downtown Pasadena. PaleoWest's analysis of the South Arroyo Parkway Industrial District examined the eligibility for listing in the CRHR under Criterion A and designation as a City Landmark District. The analysis found that the district does not retain sufficient integrity to convey its historical significance. The buildings have been modified over time to accommodate their current use as commercial buildings. These modifications have led to a loss of historic material and have fundamentally changed the use and design of the buildings. Buildings that were constructed during the period of significance of the potential district have been substantially altered over time, fragmenting the association of the extant buildings with their interrelated historical use and compromising the integrity of setting, feeling, and association. Therefore, the South Arroyo Parkway Industrial District is not a historical resource for the purposes of CEQA.

As determined in this report, the Project area contains two historic resources: the buildings at 501 S. Arroyo Parkway and 523 S. Arroyo Parkway. Based on available plans, the Project will not involve the physical destruction of the buildings at 501 S. Arroyo Parkway and 523 S. Arroyo Parkway, nor will it result any significant physical modifications that will compromise the historic integrity of the buildings. The proposed Project will have an effect on the integrity of the setting, but those changes will not physically alter the buildings and are not substantial enough to compromise the overall historic integrity or obstruct the view of the buildings from the public right-of-way. The surrounding area has been modified over time by new construction and modifications to existing buildings, including the construction of multi-story buildings, which has resulted in the disruption of the historical setting. Therefore, based on the Project description, the Project will not result in a substantive adverse change to the historic integrity of the buildings at 501 S. Arroyo Parkway and 523 S. Arroyo Parkway.

While the current Project description will not result in a substantive adverse change to the historic integrity of the buildings at 501 and 523 S. Arroyo Parkway, the potential for future modifications to them does exist in the form of tenant improvements. However, the City's existing design review process, established in Zoning Code Section 17.61.030, which requires a finding of consistency with the Secretary of the Interior's Standards for Rehabilitation to approve any proposed exterior changes to historical buildings within the Central District, will ensure that potential tenant improvements associated with this project or future projects do not result in a significant impact on the identified historical buildings.

This review process is being supplemented by additional mitigation measures, including further consultation with a qualified architectural historian or architect in the development of protective barriers to surround the on-site historical resources during construction activities, as well as the establishment of site protocols that outline preventative site access measures to reduce the likelihood of potential accidents involving the resources. This will also include emergency measures and processes in the event of an accident, and outlining the construction monitoring and reporting regimen to be implemented before, during, and after construction activities.

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- 2002b "Permit BLD2002-01339." Pasadena Building and Safety Division Records for 541 S. Arroyo Parkway, on file at the Pasadena Building and Safety Division.
- 2004 "Permit BMN2004-00499." Pasadena Building and Safety Division Records for 541 S. Arroyo Parkway, on file at the Pasadena Building and Safety Division
- 2005 "Permit BMN2005-0069." Pasadena Building and Safety Division Records for 541 S. Arroyo Parkway, on file at the Pasadena Building and Safety Division
- 2009 "Permit BLD2009-01072." Pasadena Building and Safety Division Records for 495 S. Arroyo Parkway, on file at the Pasadena Building and Safety Division.
- 2010a "Permit BLD2010-00427." Pasadena Building and Safety Division Records for 491 S. Arroyo Parkway, on file at the Pasadena Building and Safety Division.
- 2010b "Permit BMN2010-00397." Pasadena Building and Safety Division Records for 495 S. Arroyo Parkway, on file at the Pasadena Building and Safety Division.
- 2010c "Permit BLD2010-00428." Pasadena Building and Safety Division Records for 495 S. Arroyo Parkway, on file at the Pasadena Building and Safety Division.
- 2010d "Permit BLD2010-00025." Pasadena Building and Safety Division Records for 499 S. Arroyo Parkway, on file at the Pasadena Building and Safety Division.
- 2010e "Permit BLD2010-00429." Pasadena Building and Safety Division Records for 499 S. Arroyo Parkway, on file at the Pasadena Building and Safety Division.
- 2011 "Permit BLD2010-00214." Pasadena Building and Safety Division Records for 499 S. Arroyo Parkway, on file at the Pasadena Building and Safety Division.

Pasadena Evening Post

- 1928 "Many Plans Under Way by Builders." *Pasadena Evening Post*, June 11, 1928, pg. 2.

Pasadena Independent

- 1960 "Were Looking Ahead!!" *Pasadena Independent*, January 2, 1960.

Pasadena Post

- 1931 "We Are Proud of the Pasadena Junior Chamber of Commerce." *Pasadena Post*, June 17, 1931, pg. 21.

Sanborn Map Company

- 1931 *Pasadena 1930-1931 vol. 1, Sheet 120*. New York: Sanborn Map Company.
- 1951 *Pasadena 1930- Oct. 1951 vol. 1, Sheet 120*. New York: Sanborn Map Company.

Sicha, Richard J.

- 1981 "South Marengo Historic District" National Register of Historic Places Inventory – Nomination Form." June 15, 1981.
- 1984 "Evanston Inn." National Register of Historic Places Inventory – Nomination Form. September 1981, revised April 1984.

Star-News

- 1959 "Everything but the price is a little bigger at the Westward Ho Steak House." *Star-News* June 1, 1959, pg. A-7.
- 1962 "Westward Ho Steak House." *Star-News* January 3, 1962, pg. 18.

Thomey, Ted.

- 1968 "Table Talk." *Long Beach Independent*, July 26, 1968, pg. 34.

U.S. Geological Survey, Washington, D.C. (USGS)

- 1894 Los Angeles, California (1:62,500) topographic quadrangle.
- 1900 Los Angeles, California (1:62,500) topographic quadrangle.
- 1928 Altadena, California (1:12,000) topographic quadrangle.
- 1953 Pasadena, California (1:12,000) topographic quadrangle.
- 1966 Pasadena, California (1:12,000) topographic quadrangle.
- 1972 Pasadena, California (1:12,000) topographic quadrangle.
- 1988 Pasadena, California (1:12,000) topographic quadrangle.
- 1955 Pasadena, California (1:12,000) topographic quadrangle.

Appendix A. DPR 523 Series Forms

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
PRIMARY RECORD

Primary #
HRI #

Trinomial
NRHP Status Code 6z

Other Listings
Review Code

Reviewer

Date

Page 1 of 51

*Resource Name or #: South Arroyo Parkway Industrial District

P1. Other Identifier: N/A

*P2. Location: ☐ Not for Publication ☒ Unrestricted

*a. County: Los Angeles

and (P2b and P2c or P2d. Attach a Location Map as necessary.)

*b. USGS 7.5' Quad: Pasadena

Date: 1975 T S; R W; ¼ of ¼ of Sec; SB B.M.

c. Address: 491, 495, 499, 501, 503, 523, and 541 S. Arroyo Parkway City: Pasadena Zip: 91105

d. UTM: Zone: 11S; 394169 mE/ 3777969 mN

e. Other Locational Data: (e.g., parcel #, directions to resource, elevation, etc., as appropriate)

The property is located at APNs 5722-008-002, 5722-008-012, 5722-008-017

*P3a. Description: (Describe resource and its major elements. Include design, materials, condition, alterations, size, setting, and boundaries)

Collectively, the buildings located at 491, 495, 499, 501, 503, 523, and 541 S. Arroyo Parkway represent a potential historic district. The buildings were all constructed within the same general time (1921-1945) within an industrial zone established by the city of Pasadena in 1914 and were all constructed for similar use.

*P3b. Resource Attributes: (List attributes and codes) HP8: Industrial Buildings

*P4. Resources Present: ☐ Building ☐ Structure ☐ Object ☐ Site ☒ District ☐ Element of District ☐ Other (Isolates, etc.)

P5a. Photo or Drawing (Photo required for buildings, structures, and objects.)



P5b. Description of Photo: (View, date, accession #)

South Arroyo Parkway Industrial District, facing southwest, May 4, 2020

*P6. Date Constructed/Age and Sources: ☒ Historic

☐ Prehistoric ☐ Both
1921-1945

*P7. Owner and Address:

The Arroyo Parkway, LLC
716 Mission Street
South Pasadena, CA 91030

*P8. Recorded by: (Name, affiliation, and address)

PaleoWest, LLC
517 S. Ivy Avenue
Monrovia, CA 91016

*P9. Date Recorded: August 2020

*P10. Survey Type: (Describe)

Intensive

*P11. Report Citation: (Cite survey report and other sources, or enter "none.")

Historic Resources Assessment in Support of the Affinity Project, Pasadena, Los Angeles County, California.
PaleoWest, 2020

*Attachments: ☐ NONE ☒ Location Map ☒ Sketch Map ☒ Continuation Sheet ☐ Building, Structure, and Object Record
☐ Archaeological Record ☒ District Record ☐ Linear Feature Record ☐ Milling Station Record ☐ Rock Art Record
☐ Artifact Record ☐ Photograph Record ☐ Other (List):

DPR 523A (1/95)

*Required information

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
DISTRICT RECORD

Primary #
HRI#

Page 2 of 51

*NRHP Status Code:

*Resource Name or # (Assigned by recorder) South Arroyo Parkway Industrial District

D1. Historic Name: 491-541 S. Arroyo Parkway

D2. Common Name: 491-541 S. Arroyo Parkway

***D3. Detailed Description** (Discuss overall coherence of the district, its setting, visual characteristics, and minor features. List all elements of district.): The South Arroyo Parkway Industrial District is located at APNs 5722-008-002, 5722-008-012, 5722-008-017 within the City of Pasadena. The district has eight buildings located within its boundaries, six of which are considered contributing resources 491, 495, 499, 501, 503, 523, and 541 S. Arroyo Parkway. The buildings were all constructed within the same general time (1921-1945) within an industrial zone established by the city of Pasadena in 1914 and were all constructed for similar use. The buildings are generally Modern Vernacular, utilitarian, or Moderne in design.

***D4. Boundary Description** (Describe limits of district and attach map showing boundary and district elements.): The South Arroyo Parkway Industrial District is located within APNs 5722-008-002, 5722-008-012, 5722-008-017.

***D5. Boundary Justification:** All contributing elements to this resource are located within APNs 5722-008-002, 5722-008-012, 5722-008-017, therefore; the boundary of this resource is defined by the boundary of APNs 5722-008-002, 5722-008-012, 5722-008-017.

***D6. Significance: Theme:** Pasadena Industrial Development

Area: Pasadena, CA

Period of Significance: 1921-1945

Property Type: Industrial **Applicable Criteria:** A

(Discuss importance in terms of historical or architectural context as defined by theme, period, and geographic scope. Also address integrity.)

Early industrial development in Pasadena was largely concentrated along the north-south axis of the Santa Fe rail tracks, which entered the city through the center of the block between Raymond Avenue and Arroyo Parkway (then Broadway) where the business had access to incoming and outgoing freight services (Historic Resources Group, et al. 2007). In 1914 industrial zones were designated adjacent to railroad tracks within the city of Pasadena. While zoned for industrial purposes, these areas also contained residences which largely housed immigrants and minorities (O'Connor, et al. 1993). The industrial district was confined to Arroyo Parkway, Raymond, and Fair Oaks Avenues between Del Mar Boulevard in the north and the Arroyo Seco (now the route of the Pasadena Freeway) in the south. The main industries were laundries, light manufacturing, custom automobile assembly, storage and transport, lumber yards and milling (Historic Resources Group, et al. 2007).

In Pasadena, common architectural styles associated with commercial buildings of the period include Late Moderne, Corporate Modern, Vernacular Modern, New Formalist and Brutalist styles. It must retain high integrity of design, materials and workmanship that convey its period of construction. While most buildings undergo alteration over time, these alterations should not significantly change the historic appearance of the building (Historic Resources Group, et al. 2007).

CRHR Evaluation

CRHR Criterion 1: The South Arroyo Parkway Industrial District locally meets CRHR Criterion 1 for association with events that have made a significant contribution to the broad patterns of California's history and cultural heritage. The establishment of industrial zones, while part of the standard practices of city government, is representative of the growth that Pasadena experienced in the early 20th Century.

(See Continuation Sheet)

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
CONTINUATION SHEET

Primary #
HRI#
Trinomial

Page 3 of 51

*Resource Name or # (Assigned by recorder) South Arroyo Parkway Industrial District

*Recorded by: PaleoWest, LLC

*Date: May 2020 ☒ Continuation ☐ Update

***D6. Significance (continued):**

While the South Arroyo Parkway Industrial District was not the only industrial one established by the City of Pasadena, its proximity to the downtown commercial area and the railroad tracks suggests its importance to the economic development of the City. Therefore, South Arroyo Parkway Industrial District is locally eligible for the CRHR under Criterion 1

CRHR Criterion 2: The South Arroyo Parkway Industrial District does not meet CRHR Criterion 2 for any direct associations with the productive lives of persons important in local, state, or national history. Research has yielded no information to suggest that any persons of historical significance are specifically associated with the buildings that comprise the South Arroyo parkway Industrial District, collectively. The industrial zone established by the City of Pasadena in 1914 was planned as part of the standard duties of local governments and is not attributed to a single individual. Therefore, 503 S. Arroyo Parkway is not eligible for the CRHR under Criterion 2.

CRHR Criterion 3: The South Arroyo Parkway Industrial District does not to meet CRHR Criterion 3 for embodying the distinctive characteristics of a type, period, and method of construction, or as the work of an important creative individual, or as having high artistic value. The buildings were constructed by different developers over time and do not share a significant, planned, cohesive architectural style. Therefore, The South Arroyo Parkway Industrial District is not eligible for the CRHR under Criterion 3.

CRHR Criterion 4: The South Arroyo Parkway Industrial District does not meet CRHR Criterion 4 since it is unlikely to yield information important to prehistory or history. It is unlikely that this property has the potential to broaden our understanding of mid-twentieth century building construction and city planning, or the history of Pasadena. Therefore, The South Arroyo Parkway Industrial District is not eligible for the CRHR under Criterion 4.

Integrity: The CRHR recognizes a property's historic integrity through seven aspects or qualities. These include location, design, setting, materials, workmanship, feeling, and association. For a property to be eligible, it must retain some, if not most, of the aspects. With the exception of 501 and 523 S. Arroyo Parkway, the buildings that contribute to the South Arroyo Parkway Historic District do not generally retain integrity of materials, workmanship, design, feeling, or association. The buildings have been modified over time to accommodate their current use as commercial buildings. These modifications have led to a loss of historic material and has fundamentally changed the use and design of the buildings. Buildings that would have been previously considered contributors to the district have been lost due to new construction over time, fragmenting the association of the extant buildings with their interrelated historical use and compromising the integrity of setting, feeling, and association. Therefore, the South Arroyo Parkway Industrial District does not retain sufficient integrity to convey its historical significance.

City of Pasadena Historic Preservation Ordinance Evaluation

The South Arroyo Parkway Industrial District is not located within an existing Landmark District and does not retain sufficient integrity to be considered a historic district.

***D7. References:**

Refer to Continuation Sheet

D8. Evaluator: J. Castells

***Date of Evaluation:** May 2020

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
LOCATION MAP

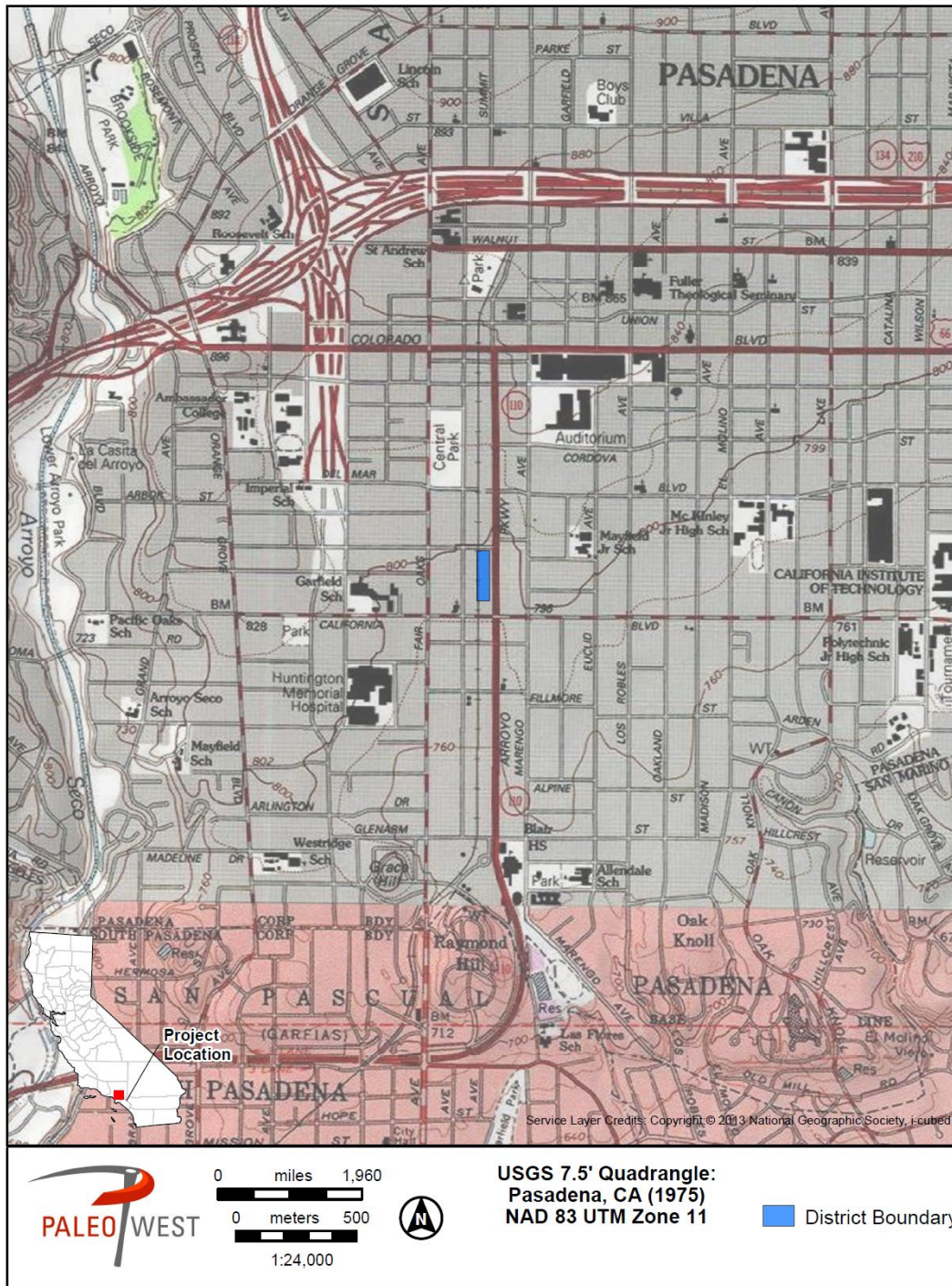
Primary #
HRI#
Trinomial

Page 4 of 51

*Resource Name or # (Assigned by recorder) South Arroyo Parkway Industrial District

*Recorded by: PaleoWest, LLC

*Date: May 2020 ■ Continuation □ Update



State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
SKETCH MAP

Primary #
HRI#
Trinomial

Page 5 of 51

*Resource Name or # (Assigned by recorder) South Arroyo Parkway Industrial District

*Recorded by: PaleoWest, LLC

*Date: May 2020 ■ Continuation □ Update



State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
PRIMARY RECORD

Primary #
HRI #
Trinomial
CRHR Status Code 6Z

Other Listings
Review Code

Reviewer

Date

Page 1 of 7

*Resource Name or #: 491 S. Arroyo Parkway

P1. Other Identifier: N/A

*P2. Location: ☐ Not for Publication ☒ Unrestricted

*a. County: Los Angeles

and (P2b and P2c or P2d. Attach a Location Map as necessary.)

*b. USGS 7.5' Quad: Pasadena

Date: 1975 T S; R W; ¼ of ¼ of Sec ; SB

B.M.

c. Address: 491 S. Arroyo Parkway

City: Pasadena

Zip: 91105

d. UTM: Zone: 11S; 394157 mE/ 3777980 mN

e. Other Locational Data: (e.g., parcel #, directions to resource, elevation, etc., as appropriate)

The property is located at APN 5722-008-002

*P3a. **Description:** (Describe resource and its major elements. Include design, materials, condition, alterations, size, setting, and boundaries)
491 S. Arroyo Parkway is a one-story modern vernacular commercial building constructed in 1945. The building features a flat roof with a short parapet and a barrel vault. The building is of concrete block construction. The east elevation of the building features glass double doors with fixed window surrounds. A bank of large commercial windows mirroring the design of the entry are located adjacent to the entry on the elevation. The west elevation features windows with security bars. The north and south elevations abut the adjacent buildings.

*P3b. **Resource Attributes:** (List attributes and codes) HP6. 1-2 story commercial building; HP8. Industrial building

*P4. **Resources Present:** ☒ Building ☐ Structure ☐ Object ☐ Site ☐ District ☐ Element of District ☐ Other (Isolates, etc.)

P5a. Photo or Drawing (Photo required for buildings, structures, and objects.)



View of east elevation, facing west, May 4, 2020

*P6. **Date Constructed/Age and Sources:**

☒ Historic ☐ Prehistoric ☐ Both

1945 (Los Angeles County Assessor)

*P7. **Owner and Address:**

The Arroyo Parkway, LLC
716 Mission Street
South Pasadena, CA 91030

*P8. **Recorded by:** (Name, affiliation, and address)

PaleoWest, LLC
517 S. Ivy Avenue
Monrovia, CA 91016

*P9. **Date Recorded:** May 2020

*P10. **Survey Type:** (Describe)

Intensive

*P11. **Report Citation:** (Cite survey report and other sources, or enter "none.")

Historic Resources Assessment in Support of the Affinity Project, Pasadena, Los Angeles County, California. PaleoWest, 2020.

*Attachments: ☐ NONE ☒ Location Map ☒ Sketch Map ☒ Continuation Sheet ☒ Building, Structure, and Object Record
☐ Archaeological Record ☐ District Record ☐ Linear Feature Record ☐ Milling Station Record ☐ Rock Art Record
☐ Artifact Record ☐ Photograph Record ☐ Other (List):

BUILDING, STRUCTURE, AND OBJECT RECORD

Page 2 of 7

*Resource Name or # (Assigned by recorder) 491 S. Arroyo Parkway

*Recorded by: PaleoWest, LLC

*Date: May 2020

B1. Historic Name: 491 S. Arroyo Parkway

B2. Common Name: 491 S. Arroyo Parkway

B3. Original Use: Industrial/ commercial building

B4. Present Use: Industrial/commercial building

***B5. Architectural Style:** Modern vernacular

***B6. Construction History:** (Construction date, alterations, and date of alterations)

1945 (Los Angeles County Assessor). Commercial entry doors and windows (Pasadena Building and Safety Division 2010)

***B7. Moved?** ☒No ☐Yes ☐Unknown **Date:** N/A

Original Location: N/A

***B8. Related Features:** N/A

B9a. Architect: Unknown

b. Builder: unknown

***B10. Significance: Theme:** N/A

Area: N/A

Period of Significance: N/A

Property Type: commercial/industrial

Applicable Criteria: N/A

(Discuss importance in terms of historical or architectural context as defined by theme, period, and geographic scope. Also address integrity.)

Early industrial development in Pasadena was largely concentrated along the north-south axis of the Santa Fe rail tracks, which entered the city through the center of the block between Raymond Avenue and Arroyo Parkway (then Broadway) where the business had access to incoming and outgoing freight services (Historic Resources Group, et al. 2007). In 1914 industrial zones were designated adjacent to railroad tracks within the city of Pasadena. While zoned for industrial purposes, these areas also contained residences which largely housed immigrants and minorities (O'Connor, et al. 1993). The industrial district was confined to Arroyo Parkway, Raymond, and Fair Oaks Avenues between Del Mar Boulevard in the north and the Arroyo Seco (now the route of the Pasadena Freeway) in the south. The main industries were laundries, light manufacturing, custom automobile assembly, storage and transport, lumber yards and milling (Historic Resources Group, et al. 2007).

In Pasadena, common architectural styles associated with commercial buildings of the period include Late Moderne, Corporate Modern, Vernacular Modern, New Formalist and Brutalist styles. It must retain high integrity of design, materials and workmanship that convey its period of construction. While most buildings undergo alteration over time, these alterations should not significantly change the historic appearance of the building (Historic Resources Group, et al. 2007).

(See Continuation Sheet)

B11. Additional Resource Attributes: (List attributes and codes) N/A

***B12. References:**

Refer to Continuation Sheet

B13. Remarks: N/A

***B14. Evaluator:** J. Castells, MA

***Date of Evaluation:** May 2020

(Sketch Map with north arrow required.)

Please see attached

CONTINUATION SHEET

*D6. Significance (Continued):

491 S. Arroyo Parkway was constructed in 1945. Sanborn Fire Insurance Maps from 1951 show that 491 S. Arroyo Parkway indicate that it was used as a warehouse for a garden spray manufacturer and interior doors connecting the building with 495 S. Arroyo Parkway indicate that the two buildings were directly associated with one another (Sanborn Map Company 1951). By 1965 the building housed Servisoft, a water conditioning service (*Independent Star-News* 1965). Research has uncovered little information regarding subsequent occupants of the building. In 2010 permits were approved for new storefronts for the building, which included the current entry and windows (Pasadena Building and Safety Division 2010).

CRHR Evaluation

The following presents an assessment of the historical significance of 491 S. Arroyo Parkway by applying the procedure and criteria for the CRHR. The purpose of this assessment is to evaluate the eligibility of the resource for listing on the CRHR.

CRHR Criterion 1: 491 S. Arroyo Parkway does not meet CRHR Criterion 1 for association with events that have made a significant contribution to the broad patterns of California's history and cultural heritage. The building is one of many commercial/industrial buildings constructed throughout California and Pasadena throughout the twentieth century. While the building likely housed many different tenants, the two historical uses that were identified were for a garden spray manufacturer and a water conditioning service. There is no indication that significant historical events related to either of these industries occurred at this location. Research has yielded no information to suggest that any significant events associated with the history of Pasadena, California, or the United States are specifically associated with this building. Therefore, 491 S. Arroyo Parkway is not eligible for the CRHR under Criterion 1.

CRHR Criterion 2: 491 S. Arroyo Parkway does not meet CRHR Criterion 2 for any direct associations with the productive lives of persons important in local, state, or national history. The building has housed several tenants over time and has been the workplace of numerous individuals, however; research has yielded no indication that any person of historical significance is specifically associated with this building. Therefore, 491 S. Arroyo Parkway is not eligible for the CRHR under Criterion 2.

CRHR Criterion 3: 491 S. Arroyo Parkway does not meet CRHR Criterion 3 for embodying the distinctive characteristics of a type, period, and method of construction, or as the work of an important creative individual, or as having high artistic value. The building is a common and unremarkable example of modern vernacular architecture. It is nearly indistinguishable from other buildings of that style constructed throughout the 20th century. Further, the addition of commercial storefront windows and an entryway has significantly compromised the historical appearance of the building. While the architects and builders of the building were not identified, it is unlikely that the building represents the work of a master. Therefore, 491 S. Arroyo Parkway is not eligible for the CRHR under Criterion 3.

CRHR Criterion 4: 491 S. Arroyo Parkway does not meet CRHR Criterion 4 since it is unlikely to yield information important to prehistory or history. It is unlikely that this property has the potential to broaden our understanding of twentieth century building construction or the history of Pasadena. Therefore, 491 S. Arroyo Parkway is not eligible for the CRHR under Criterion 4.

City of Pasadena Historic Preservation Ordinance Evaluation

491 S. Arroyo Parkway is recommended not eligible as a Historic Monument or a Landmark under the Local Register following the reasons outlined in the preceding section regarding eligibility under the comparable CRHR criteria. The criteria specific to Historic Signs and to Landmark Trees are not applicable to this building. 491 S. Arroyo Parkway is not located within a Landmark District and does not appear to be a contributor to a potential historic district.

CONTINUATION SHEET

Primary #
HRI#
Trinomial

Page 4 of 7

*Resource Name or # (Assigned by recorder) 491 S. Arroyo Parkway

*Recorded by: PaleoWest, LLC

*Date: May 2020 ☒ Continuation ☐ Update

***B12. References (Continued):**

Historic Resources Group and Pasadena Heritage

2007 *Cultural Resources of the Recent Past Historic Context Report*. Prepared for the City of Pasadena, 2007.

Independent Star-News

1965 "100 Blue Chip Stamps Yours Free!" *Independent Star-News*, August 21m 1965, pg. 5.

O'Connor, Pamela and Urban Conservation Section of the Planning Division of the City of Pasadena.

1993 *Architectural/Historical Development of the City of Pasadena: Historic Context/Property Type Report*. Submitted to the California State Office of Historic Preservation, January 13, 1993.

Pasadena Building and Safety Division

2010 "Permit BLD2010-00427." Pasadena Building and Safety Division Records for 491 S. Arroyo Parkway, on file at the Pasadena Building and Safety Division.

Sanborn Map Company

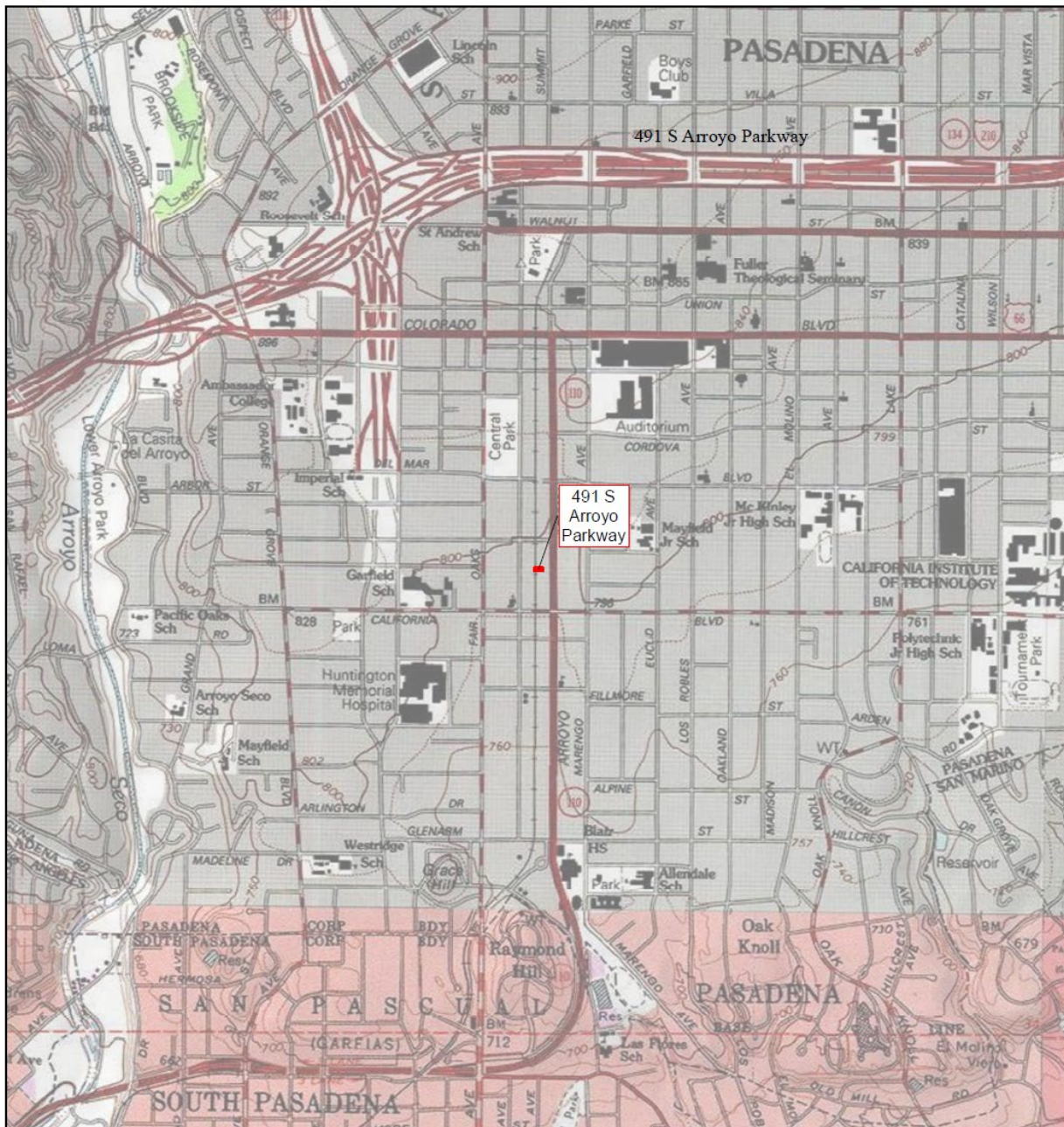
1951 *Pasadena 1930- Oct. 1951 vol. 1, Sheet 120*. New York: Sanborn Map Company.



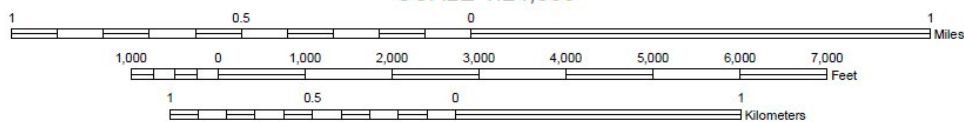
west elevation, facing east

Map Name: Pasadena, CA 7.5' USGS Quad.

Date: 1975



SCALE 1:24,000



TRUE NORTH

*Drawn by: B.Spelts

*Scale: 1:1,000

*Date of map: May 2020



State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
PRIMARY RECORD

Primary #
HRI #
Trinomial
CRHR Status Code 6Z

Other Listings
Review Code

Reviewer

Date

Page 1 of 8

*Resource Name or #: 495 S. Arroyo Parkway

P1. Other Identifier: N/A

*P2. Location: ☐ Not for Publication ☒ Unrestricted

*a. County: Los Angeles

and (P2b and P2c or P2d. Attach a Location Map as necessary.)

*b. USGS 7.5' Quad: Pasadena

Date: 1975 T S; R W; ¼ of ¼ of Sec ; SB

B.M.

c. Address: 495 S. Arroyo Parkway

City: Pasadena

Zip: 91105

d. UTM: Zone: 11S; 394167 mE/ 3777964 mN

e. Other Locational Data: (e.g., parcel #, directions to resource, elevation, etc., as appropriate)

The property is located at APN 5722-008-002

*P3a. **Description:** (Describe resource and its major elements. Include design, materials, condition, alterations, size, setting, and boundaries)
495 S. Arroyo Parkway is a one-story vernacular commercial building constructed in 1925. The building features a flat roof with a short parapet and a gable vault. The building is of brick construction. The east elevation of the building features a glass entry door flanked by fixed sidelight windows located off-center on the elevation. The entry is recessed and features a cantilevered awning. Two large fixed commercial windows are also located on the east elevation. The east elevation is clad in stucco. The north elevation features an entry door beneath a cantilevered overhang located on the west portion of the elevation. Two recessed fixed windows are located on the east portion of the elevation and a bank of large commercial windows are centered on the elevation. The south elevation abuts the adjacent building. The west elevation is clad in corrugated metal.

*P3b. **Resource Attributes:** (List attributes and codes) HP6. 1-2 story commercial building; HP8. Industrial building

*P4. **Resources Present:** ☒ Building ☐ Structure ☐ Object ☐ Site ☐ District ☐ Element of District ☐ Other (Isolates, etc.)

P5a. Photo or Drawing (Photo required for buildings, structures, and objects.)



View of north and east elevations, facing southwest,
May 4, 2020

*P6. **Date Constructed/Age and Sources:**

☒ Historic ☐ Prehistoric ☐ Both

1925 (Los Angeles County Assessor)

*P7. **Owner and Address:**

The Arroyo Parkway, LLC
716 Mission Street
South Pasadena, CA 91030

*P8. **Recorded by:** (Name, affiliation, and address)

PaleoWest, LLC
517 S. Ivy Avenue
Monrovia, CA 91016

*P9. **Date Recorded:** May 2020

*P10. **Survey Type:** (Describe)

Intensive

*P11. **Report Citation:** (Cite survey report and other sources, or enter "none.")

Historic Resources Assessment in Support of the Affinity Project, Pasadena, Los Angeles County, California. PaleoWest, 2020.

*Attachments: ☐ NONE ☒ Location Map ☒ Sketch Map ☒ Continuation Sheet ☒ Building, Structure, and Object Record
☐ Archaeological Record ☐ District Record ☐ Linear Feature Record ☐ Milling Station Record ☐ Rock Art Record
☐ Artifact Record ☐ Photograph Record ☐ Other (List):

BUILDING, STRUCTURE, AND OBJECT RECORD

Page 2 of 8

*Resource Name or # (Assigned by recorder) 495 S. Arroyo Parkway

*Recorded by: PaleoWest, LLC

*Date: May 2020

B1. Historic Name: 495 S. Arroyo Parkway

B2. Common Name: 495 S. Arroyo Parkway

B3. Original Use: Industrial/ commercial building

B4. Present Use: Industrial/commercial building

***B5. Architectural Style:** modern vernacular

***B6. Construction History:** (Construction date, alterations, and date of alterations)

1925 (Los Angeles County Assessor). Seismic retrofit (Pasadena Building and Safety Division 2009), new storefront and alterations (Pasadena Building and Safety Division 2010a, 2010b)

***B7. Moved?** ☒No ☐Yes ☐Unknown **Date:** N/A

Original Location: N/A

***B8. Related Features:** N/A

B9a. Architect: Unknown

b. Builder: unknown

***B10. Significance: Theme:** N/A

Area: N/A

Period of Significance: N/A

Property Type: commercial/industrial

Applicable Criteria: N/A

(Discuss importance in terms of historical or architectural context as defined by theme, period, and geographic scope. Also address integrity.)

Early industrial development in Pasadena was largely concentrated along the north-south axis of the Santa Fe rail tracks, which entered the city through the center of the block between Raymond Avenue and Arroyo Parkway (then Broadway) where the business had access to incoming and outgoing freight services (Historic Resources Group, et al. 2007). In 1914 industrial zones were designated adjacent to railroad tracks within the city of Pasadena. While zoned for industrial purposes, these areas also contained residences which largely housed immigrants and minorities (O'Connor, et al. 1993). The industrial district was confined to Arroyo Parkway, Raymond, and Fair Oaks Avenues between Del Mar Boulevard in the north and the Arroyo Seco (now the route of the Pasadena Freeway) in the south. The main industries were laundries, light manufacturing, custom automobile assembly, storage and transport, lumber yards and milling (Historic Resources Group, et al. 2007).

(See Continuation Sheet)

B11. Additional Resource Attributes: (List attributes and codes) N/A

***B12. References:**

Refer to Continuation Sheet

B13. Remarks: N/A

***B14. Evaluator:** J. Castells, MA

***Date of Evaluation:** May 2020

(Sketch Map with north arrow required.)

Please see attached

***D6. Significance (Continued):**

495 S. Arroyo Parkway was constructed in 1925. In 1927 William C. (W.C.) Crowell, operated out of the building. He was identified as a contractor (Los Angeles Directory Co. 1927). In 1928 he was awarded the construction of the Gordon B. Kaufmann designed Athenaeum Building on the California Institute of Technology campus (*Pasadena Evening Post* 1928). In 1931, W.C. Crowell was listed as a member of the Pasadena Junior Chamber of Commerce (*The Pasadena Post* 1931). Crowell was a prominent builder in Pasadena and was involved in the construction of many notable buildings including the Scottish Rite Cathedral in Pasadena, the NRHP-listed Kindel Building, the Huntington Library, and the Pasadena Civic Auditorium. Sanborn Fire Insurance Maps from 1931 show that 495 S. Arroyo Parkway was used as sheet metal works (Sanborn Map Company 1931), however W.C. Crowell was still listed as a contractor at that location in 1938 and 1939 (Los Angeles Directory Co. 1938, 1939). By 1942 the property was occupied by Destruxol Corp. LTD, a garden chemical manufacturer (*Los Angeles Times* 1942). The Sanborn Fire Insurance Maps from 1951 indicate that the building was a garden spray manufacturer and interior doors connecting the building with 491 S. Arroyo Parkway indicate that the two buildings were directly associated with one another (Sanborn Map Company 1951). By 1956 the building was used as a machine shop while jointly being used by the Destruxol Corporation which occupied the property until at least 1960 (*Los Angeles Times* 1956, *Pasadena Independent* 1960). At some point between 1960 and 1978, Properties International/John K. Woo occupied the property before relocating in 1978 (*Los Angeles Times* 1978a). In 2009 a seismic retrofit permit was issued for the building followed by permits for new storefronts and a new roof for the building in 2010 (Pasadena Building and Safety Division 2009, 2010a, 2010b).

CRHR Evaluation

The following presents an assessment of the historical significance of 495 S. Arroyo Parkway by applying the procedure and criteria for the CRHR. The purpose of this assessment is to evaluate the eligibility of the resource for listing on the CRHR.

CRHR Criterion 1: 495 S. Arroyo Parkway does not meet CRHR Criterion 1 for association with events that have made a significant contribution to the broad patterns of California's history and cultural heritage. The building is one of many commercial/industrial buildings constructed throughout California and Pasadena throughout the twentieth century. Research has yielded no information to suggest that any significant events associated with the history of Pasadena, California, or the United States are specifically associated with this building. Therefore, 495 S. Arroyo Parkway is not eligible for the CRHR under Criterion 1.

CRHR Criterion 2: 495 S. Arroyo Parkway does not meet CRHR Criterion 2 for any direct associations with the productive lives of persons important in local, state, or national history. The building's long term occupant was W.C. Crowell a contractor and builder responsible for the construction of several significant buildings including the Scottish Rite Cathedral in Pasadena, the NRHP-listed Kindel Building, the Huntington Library, the Atheneum at California Institute of Technology, and the Pasadena Civic Auditorium. While W.C. Crowell undoubtedly made significant contributions to the built environment of Southern California, this building does not convey that significance. Better examples that do convey his significance include the buildings listed above. Research has yielded no information to suggest that other persons, including other occupants of the building, of potential historical significance are specifically associated with this building. Therefore, 495 S. Arroyo Parkway is not eligible for the CRHR under Criterion 2.

CRHR Criterion 3: 495 S. Arroyo Parkway does not meet CRHR Criterion 3 for embodying the distinctive characteristics of a type, period, and method of construction, or as the work of an important creative individual, or as having high artistic value. The building is a common and unremarkable example of commercial vernacular architecture. It is nearly indistinguishable from other buildings of that style constructed throughout the 20th century. Further, the addition of commercial storefront windows and an entryway has significantly compromised the historical appearance of the building. While the architect and builder of the building was not identified, there is a possibility that it was designed and/or constructed by W.C. Crowell. Even in that event, the building is not a masterful example of his work and does not adequately express the significance of his accomplishments as a builder. Therefore, 495 S. Arroyo Parkway is not eligible for the CRHR under Criterion 3.

(See Continuation Sheet)

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
CONTINUATION SHEET

Primary #
HRI#
Trinomial

Page 4 of 8

*Resource Name or # (Assigned by recorder) 495 S. Arroyo Parkway

*Recorded by: PaleoWest, LLC

*Date: May 2020 ☒ Continuation ☐ Update

***D6. Significance (Continued):**

CRHR Criterion 4: 495 S. Arroyo Parkway does not meet CRHR Criterion 4 since it is unlikely to yield information important to prehistory or history. It is unlikely that this property has the potential to broaden our understanding of twentieth century building construction or the history of Pasadena. Therefore, 495 S. Arroyo Parkway is not eligible for the CRHR under Criterion 4.

City of Pasadena Historic Preservation Ordinance Evaluation

495 S. Arroyo Parkway is recommended not eligible as a Historic Monument or a Landmark under the Local Register following the reasons outlined in the preceding section regarding eligibility under the comparable CRHR criteria. The criteria specific to Historic Signs and to Landmark Trees are not applicable to this building. 495 S. Arroyo Parkway is not located within a Landmark District and does not appear to be a contributor to a potential historic district.

***B12. References (Continued):**

Historic Resources Group and Pasadena Heritage

2007 *Cultural Resources of the Recent Past Historic Context Report*. Prepared for the City of Pasadena, 2007.

Los Angeles Directory Co.

1927 *Thurston's Pasadena (California) City Directory 1927*. Los Angeles: Los Angeles Directory Co.

1938 *Thurston's Pasadena (California) City Directory 1938*. Los Angeles: Los Angeles Directory Co.

1939 *Thurston's Pasadena (California) City Directory 1998*. Los Angeles: Los Angeles Directory Co.

O'Connor, Pamela and Urban Conservation Section of the Planning Division of the City of Pasadena.

1993 *Architectural/Historical Development of the City of Pasadena: Historic Context/Property Type Report*. Submitted to the California State Office of Historic Preservation, January 13, 1993.

Los Angeles Times

1978 "Brokerage Firm Moves to New Pasadena Office." *Los Angeles Times*, July 23, 1978, pg. 143.

Pasadena Building and Safety Division

2009 "Permit BLD2009-01072." Pasadena Building and Safety Division Records for 495 S. Arroyo Parkway, on file at the Pasadena Building and Safety Division.

2010a "Permit BMN2010-00397." Pasadena Building and Safety Division Records for 495 S. Arroyo Parkway, on file at the Pasadena Building and Safety Division.

2010b "Permit BLD2010-00428." Pasadena Building and Safety Division Records for 495 S. Arroyo Parkway, on file at the Pasadena Building and Safety Division.

Pasadena Evening Post

1928 "Many Plans Under Way by Builders." *Pasadena Evening Post*, June 11, 1928, pg. 2.

Pasadena Post

1931 "We Are Proud of the Pasadena Junior Chamber of Commerce." *Pasadena Post*, June 17, 1931, pg. 21.

Sanborn Map Company

1931 *Pasadena 1930-1931 vol. 1, Sheet 120*. New York: Sanborn Map Company.

1951 *Pasadena 1930- Oct. 1951 vol. 1, Sheet 120*. New York: Sanborn Map Company.



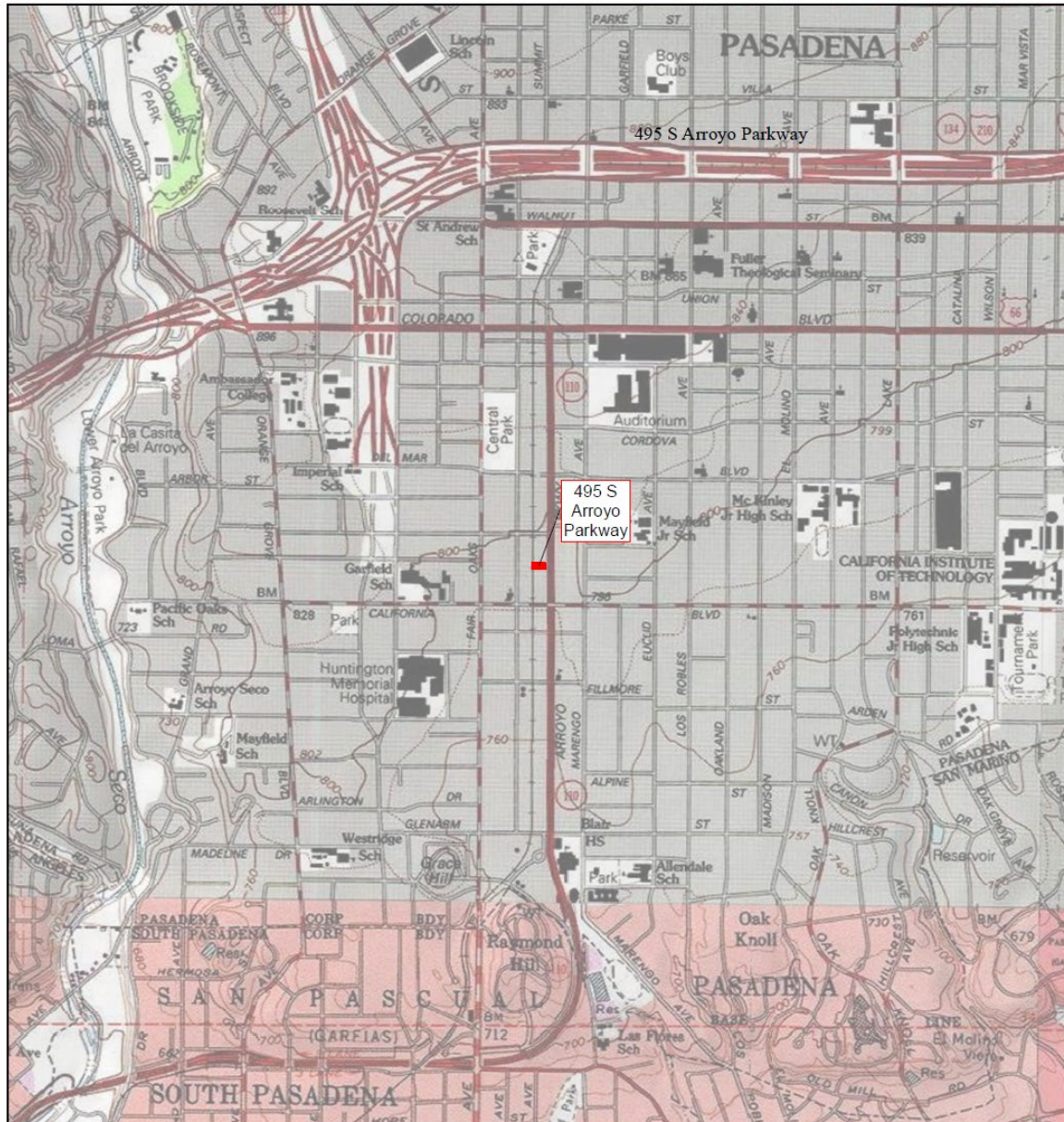
north elevation, facing south



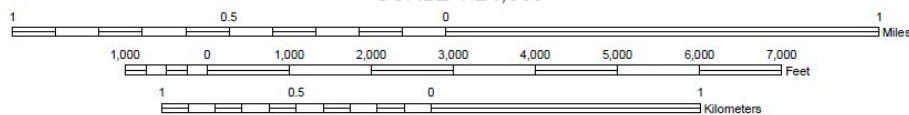
west elevation, facing east

Map Name: Pasadena, CA 7.5' USGS Quad.

Date: 1975



SCALE 1:24,000



SKETCH MAP

Page 8 of 8

*Resource Name or # (Assigned by recorder) 495 S. Arroyo Parkway

*Recorded by: PaleoWest, LLC

*Date: May 2020 ☒ Continuation ☐ Update

*Drawn by: B.Spelts

*Scale: 1:1,000

*Date of map: May 2020



State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
PRIMARY RECORD

Primary #
HRI #
Trinomial
CRHR Status Code 6Z

Other Listings
Review Code

Reviewer

Date

Page 1 of 7

*Resource Name or #: 499 S. Arroyo Parkway

P1. Other Identifier: N/A

*P2. Location: ☐ Not for Publication ☒ Unrestricted

*a. County: Los Angeles

and (P2b and P2c or P2d. Attach a Location Map as necessary.)

*b. USGS 7.5' Quad: Pasadena

Date: 1975 T S; R W; ¼ of ¼ of Sec ; SB

B.M.

c. Address: 499 S. Arroyo Parkway

City: Pasadena

Zip: 91105

d. UTM: Zone: 11S; 394166 mE/ 3777953 mN

e. Other Locational Data: (e.g., parcel #, directions to resource, elevation, etc., as appropriate)

The property is located at APN 5722-008-012

*P3a. **Description:** (Describe resource and its major elements. Include design, materials, condition, alterations, size, setting, and boundaries) 499 S. Arroyo Parkway is a one-story vernacular commercial building constructed in 1921. The building features a flat roof with a short parapet. The east elevation of the building features a recessed entryway accessed by concrete stairs behind a metal security gate centered on the elevation. The entry is flanked by bands of recessed windows. The elevation is clad in stucco and the top portion of the elevation has seismic retrofit bolts. The north and south portions of the south elevation abut the adjacent buildings. The center portion of the south elevation features three former loading bays that have been filled with fixed windows. Concrete stairs leading to a glass entry door are located on the east section of the center portion of the elevation.

*P3b. **Resource Attributes:** (List attributes and codes) HP6. 1-2 story commercial building; HP8. Industrial building

*P4. **Resources Present:** ☒ Building ☐ Structure ☐ Object ☐ Site ☐ District ☐ Element of District ☐ Other (Isolates, etc.)

P5a. Photo or Drawing (Photo required for buildings, structures, and objects.)



View of east elevation, facing west, May 4, 2020

*P6. **Date Constructed/Age and Sources:**

☒ Historic ☐ Prehistoric ☐ Both

1921 (Los Angeles County Assessor)

*P7. **Owner and Address:**

The Arroyo Parkway, LLC

716 Mission Street

South Pasadena, CA 91030

*P8. **Recorded by:** (Name, affiliation, and address)

PaleoWest, LLC

517 S. Ivy Avenue

Monrovia, CA 91016

*P9. **Date Recorded:** May 2020

*P10. **Survey Type:** (Describe)

Intensive

*P11. **Report Citation:** (Cite survey report and other sources, or enter "none.")

Historic Resources Assessment in Support of the Affinity Project, Pasadena, Los Angeles County, California. PaleoWest, 2020.

*Attachments: ☐ NONE ☒ Location Map ☒ Sketch Map ☒ Continuation Sheet ☒ Building, Structure, and Object Record
☐ Archaeological Record ☐ District Record ☐ Linear Feature Record ☐ Milling Station Record ☐ Rock Art Record
☐ Artifact Record ☐ Photograph Record ☐ Other (List):

BUILDING, STRUCTURE, AND OBJECT RECORD

Page 2 of 7

*Resource Name or # (Assigned by recorder) 499 S. Arroyo Parkway

*Recorded by: PaleoWest, LLC

*Date: May 2020

B1. Historic Name: 499 S. Arroyo Parkway

B2. Common Name: 499 S. Arroyo Parkway

B3. Original Use: Industrial/ commercial building

B4. Present Use: Industrial/commercial building

***B5. Architectural Style:** modern vernacular

***B6. Construction History:** (Construction date, alterations, and date of alterations)

1921 (Los Angeles County Assessor). Storefront installation and other alterations (Pasadena Building and Safety Division 2010d, 2010e); wall sign and awning (Pasadena Building and Safety Division 2011).

***B7. Moved?** ☒No ☐Yes ☐Unknown **Date:** N/A

Original Location: N/A

***B8. Related Features:** N/A

B9a. Architect: Unknown

b. Builder: unknown

***B10. Significance: Theme:** N/A

Area: N/A

Period of Significance: N/A

Property Type: commercial/industrial

Applicable Criteria: N/A

(Discuss importance in terms of historical or architectural context as defined by theme, period, and geographic scope. Also address integrity.)

Early industrial development in Pasadena was largely concentrated along the north-south axis of the Santa Fe rail tracks, which entered the city through the center of the block between Raymond Avenue and Arroyo Parkway (then Broadway) where the business had access to incoming and outgoing freight services (Historic Resources Group, et al. 2007). In 1914 industrial zones were designated adjacent to railroad tracks within the city of Pasadena. While zoned for industrial purposes, these areas also contained residences which largely housed immigrants and minorities (O'Connor, et al. 1993). The industrial district was confined to Arroyo Parkway, Raymond, and Fair Oaks Avenues between Del Mar Boulevard in the north and the Arroyo Seco (now the route of the Pasadena Freeway) in the south. The main industries were laundries, light manufacturing, custom automobile assembly, storage and transport, lumber yards and milling (Historic Resources Group, et al. 2007).

(See Continuation Sheet)

B11. Additional Resource Attributes: (List attributes and codes) N/A

***B12. References:**

Refer to Continuation Sheet

B13. Remarks: N/A

***B14. Evaluator:** J. Castells, MA

***Date of Evaluation:** May 2020

(Sketch Map with north arrow required.)

Please see attached

***D6. Significance (Continued):**

499 S. Arroyo Parkway was constructed in 1921. On the 1931 Sanborn Maps, 499 S. Arroyo Parkway is depicted as having two wire-glass skylights. Interior doors connecting the building with 501 and 503 S. Arroyo Parkway indicate that the buildings continue to be directly associated with one another. The use for the complex is indicated as wholesale grocery (Sanborn Map Company 1931), the Market Basket Warehouse (Heumann 2000). On the 1951 Sanborn Maps 499 S. Arroyo Parkway is depicted as having two wire-glass skylights. Interior doors connecting the building with 501 and 503 S. Arroyo Parkway indicate that the buildings were directly associated with one another. The use for the complex is indicated as paper warehouse and distribution (Sanborn Map Company 1951). In 2010 permits were issued for storefront installations and alterations on the building (Pasadena Building and Safety Division 2010, 2010). In 2011 a permit was issued for a new wall sign and new awnings for the building (Pasadena Building and Safety Division 2011).

CRHR Evaluation

The following presents an assessment of the historical significance of 499 S. Arroyo Parkway by applying the procedure and criteria for the CRHR. The purpose of this assessment is to evaluate the eligibility of the resource for listing on the CRHR.

CRHR Criterion 1: 499 S. Arroyo Parkway does not meet CRHR Criterion 1 for association with events that have made a significant contribution to the broad patterns of California's history and cultural heritage. The building is one of many commercial/industrial buildings constructed throughout California and Pasadena throughout the twentieth century. Research has yielded no information to suggest that any significant events associated with the history of Pasadena, California, or the United States are specifically associated with this building. Therefore, 499 S. Arroyo Parkway is not eligible for the CRHR under Criterion 1.

CRHR Criterion 2: 499 S. Arroyo Parkway does not meet CRHR Criterion 2 for any direct associations with the productive lives of persons important in local, state, or national history. The building has housed several tenants over time and has been the workplace of numerous individuals, however; research has yielded no indication that any person of historical significance is specifically associated with this building. Therefore, 499 S. Arroyo Parkway is not eligible for the CRHR under Criterion 2.

CRHR Criterion 3: 499 S. Arroyo Parkway does not to meet CRHR Criterion 3 for embodying the distinctive characteristics of a type, period, and method of construction, or as the work of an important creative individual, or as having high artistic value. The building is a common and unremarkable example of vernacular commercial architecture. It is nearly indistinguishable from other buildings of that style constructed throughout the 20th century. While the architects and builders of the building were not identified, it is unlikely that the building represents the work of a master. Therefore, 499 S. Arroyo Parkway is not eligible for the CRHR under Criterion 3.

CRHR Criterion 4: 499 S. Arroyo Parkway does not meet CRHR Criterion 4 since it is unlikely to yield information important to prehistory or history. is unlikely that this property has the potential to broaden our understanding of twentieth century building construction or the history of Pasadena. Therefore, 499 S. Arroyo Parkway is not eligible for the CRHR under Criterion 4.

City of Pasadena Historic Preservation Ordinance Evaluation

499 S. Arroyo Parkway is recommended not eligible as a Historic Monument or a Landmark under the Local Register following the reasons outlined in the preceding section regarding eligibility under the comparable CRHR criteria. The criteria specific to Historic Signs and to Landmark Trees are not applicable to this building. 499 S. Arroyo Parkway is not located within a Landmark District and does not appear to be a contributor to a potential historic district.

CONTINUATION SHEET

Primary #
HRI#
Trinomial

Page 4 of 7

*Resource Name or # (Assigned by recorder) 499 S. Arroyo Parkway

*Recorded by: PaleoWest, LLC

*Date: May 2020 ■ Continuation □ Update

***B12. References (Continued):**

Heumann, Leslie

- 2000 DPR 523 Series Primary Record for 501 South Arroyo Parkway (HRI# 1109-1092-000). Record on file at the South Central Coastal Information Center.

Historic Resources Group and Pasadena Heritage

- 2007 *Cultural Resources of the Recent Past Historic Context Report*. Prepared for the City of Pasadena, 2007.

O'Connor, Pamela and Urban Conservation Section of the Planning Division of the City of Pasadena.

- 1993 *Architectural/Historical Development of the City of Pasadena: Historic Context/Property Type Report*. Submitted to the California State Office of Historic Preservation, January 13, 1993.

Pasadena Building and Safety Division

- 2010 "Permit BLD2010-00025." Pasadena Building and Safety Division Records for 499 S. Arroyo Parkway, on file at the Pasadena Building and Safety Division.
2010 "Permit BLD2010-00429." Pasadena Building and Safety Division Records for 499 S. Arroyo Parkway, on file at the Pasadena Building and Safety Division.
2011 "Permit BLD2010-00214." Pasadena Building and Safety Division Records for 499 S. Arroyo Parkway, on file at the Pasadena Building and Safety Division.

Sanborn Map Company

- 1931 *Pasadena 1930-1931 vol. 1, Sheet 120*. New York: Sanborn Map Company.
1951 *Pasadena 1930- Oct. 1951 vol. 1, Sheet 120*. New York: Sanborn Map Company.

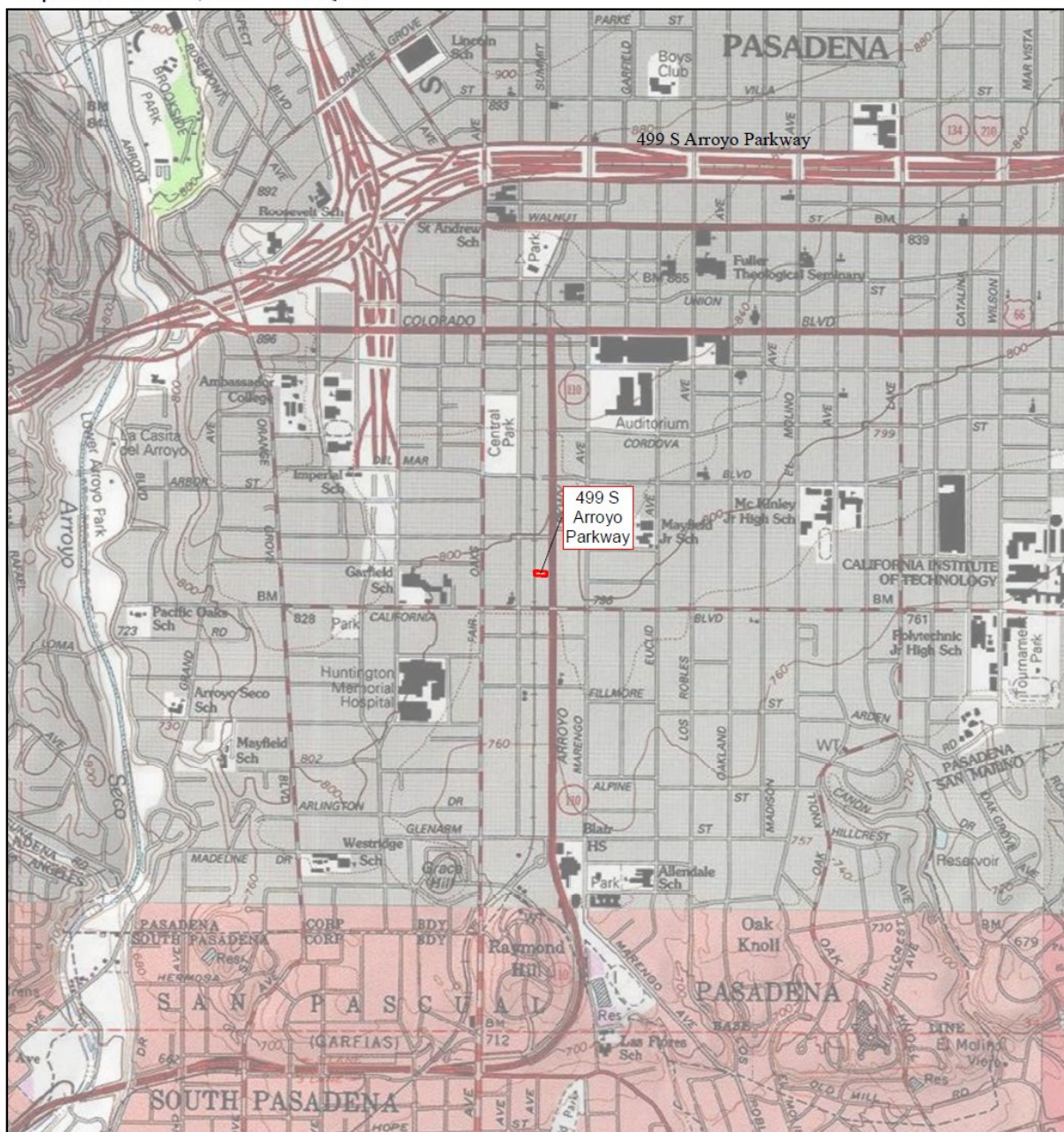


South elevation, facing north

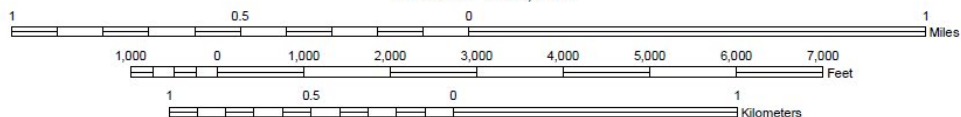
LOCATION MAP

Map Name: Pasadena, CA 7.5' USGS Quad.

Date: 1975



SCALE 1:24,000



TRUE NORTH

SKETCH MAP

Page 7 of 7

*Resource Name or # (Assigned by recorder) 499 S. Arroyo Parkway

*Recorded by: PaleoWest, LLC

*Date: May 2020 ☒ Continuation ☐ Update

*Drawn by: B.Spelts

*Scale: 1:1,000

*Date of map: May 2020



CONTINUATION SHEET

Page **1** of **1**

*Resource Name or # (Assigned by recorder) **Market Basket Warehouse Offices**

*Recorded by: **PaleoWest, LLC**

*Date: **May 2020** ☐ Continuation ☒ Update

501 S. Arroyo Parkway, identified as the Market Basket Warehouse Offices, was initially recorded by Carson Anderson in 1989. Anderson did not specify what criteria was considered for its historical significance but noted that it is one of the "best intact examples of 1940s Moderne design in the Arroyo Parkway Industrial Area (Carson 1989). In 2000 the building was evaluated by Leslie Heumann of PCR services and was recommended as eligible for the Local Register "as an example of World War II era Modern vernacular commercial design" (Heumann 2000). On May 4, 2020 PaleoWest staff revisited 501 S. Arroyo Parkway and noted the existing condition of the building. PaleoWest staff found the building as largely unchanged in any way that would compromise its historic integrity. Therefore, PaleoWest concurs with the 2000 recommendation that 501 S. Arroyo Parkway is eligible for the Local Register. Further, PaleoWest recommends that 501 S. Arroyo Parkway and 523 S. Arroyo Parkway are locally eligible for the CRHR under Criterion C.



East elevation, facing west

References:

Carson, Anderson

1989 DPR 523 Series Primary Record for 517-523 S. Arroyo Parkway (P-19-183404). Record on file at the South Central Coastal Information Center

Heumann, Leslie

2000 DPR 523 Series Primary Record for 501 South Arroyo Parkway (HRI# 1109-1092-000). Record on file at the South Central Coastal Information Center.

Page 1 of 1 Resource Name or #: Market Basket Warehouse Offices ☐ Continuation ☒ Update

P2. Location: 501 South Arroyo Parkway

B10. Significance:

The former Market Basket Warehouse Offices was determined to be ineligible for listing in the National Register of Historic Places and was recorded in the State Historic Resources Inventory database as a 6X1. However, it is of local interest as an example of World War II era Modern vernacular commercial design.

Year of Construction: 1940

Architect: unknown

Builder: unknown

P5b. Description/Date of Photo: View of the east elevation/May 12, 1998



P8. Recorded by: Leslie Heumann, PCR, 233 Wilshire Blvd., Suite 130, Santa Monica, CA 90401

P9. Date Recorded: August 30, 2000

HISTORIC RESOURCES INVENTORY
S15.13

Ser. No. 1109-1092
HABS _____ HAER _____ NR 6 SHL _____ Loc _____
UTM: A _____ B _____
C _____ D _____
P-19-183401 PROP # 070856

IDENTIFICATION

1. Common name: 501 S. Arroyo Parkway
2. Historic name: Market Basket Warehouse Offices 19-183401
3. Street or rural address: 501 S. Arroyo Parkway
City Pasadena Zip 91105 County Los Angeles
4. Parcel number: Webster & Stratton's Sub., Lots 31. 32 & 33
5. Present Owner: John R. & Eileen M. Anderson Address: 501 S. Arroyo Pkwy.
City Pasadena Zip 91105 Ownership is: Public _____ Private X
6. Present Use: Offices Original use: Offices

DESCRIPTION

- 7a. Architectural style: 1940's Moderne
- 7b. Briefly describe the present *physical description* of the site or structure and describe any major alterations from its original condition:

This is a two story reinforced concrete office structure associated with a warehouse complex (rear). The building is nearly a cube in shape, and is symmetrically organized. Entrance occurs through the center bay of the three-bay-wide facade. The building is very simple in design, and relies upon symmetry, horizontal-banded mouldings (window sill level, first & second floor), and the multi-paned pattern of the metal casement sash for subtle enrichment.

Attach Photo(s) Here

8. Construction date: 1940
Estimated _____ Factual X
9. Architect _____
10. Builder Unknown
11. Approx. property size (in feet)
Frontage 50 Depth 169
or approx. acreage _____
12. Date(s) of enclosed photograph(s)
September, 1989

13. Condition: Excellent ___ Good ☒ Fair ___ Deteriorated ___ No longer in existence ___
14. Alterations: _____
15. Surroundings: (Check more than one if necessary) Open land ___ Scattered buildings ___ Densely built-up ☒
Residential ___ Industrial ☒ Commercial ☒ Other: _____
16. Threats to site: None known ☒ Private development ___ Zoning ___ Vandalism ___
Public Works project ___ Other: _____
17. Is the structure: On its original site? ☒ Moved? ___ Unknown? ___
18. Related features: _____

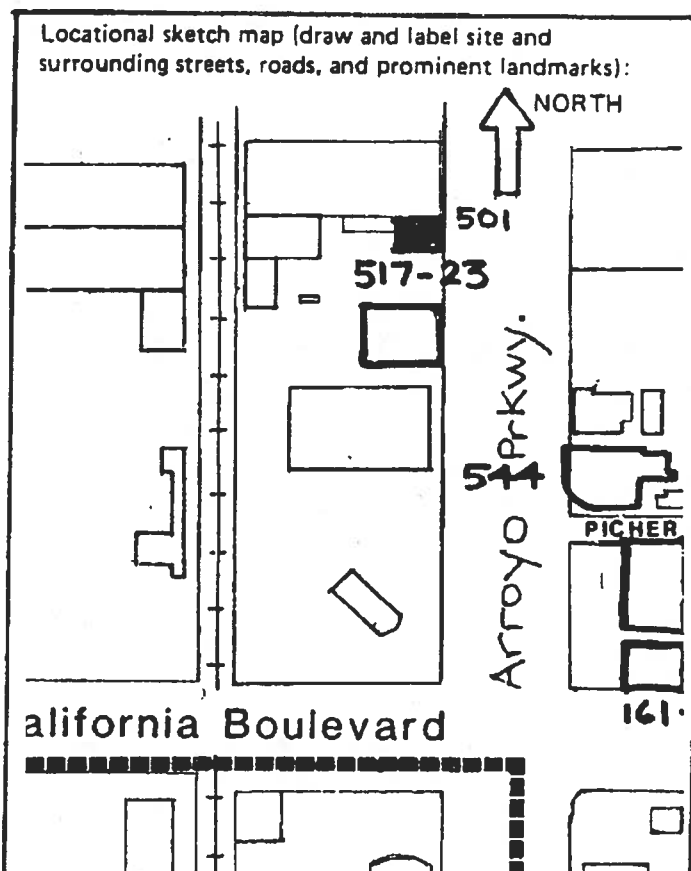
SIGNIFICANCE

19. Briefly state historical and/or architectural importance (include dates, events, and persons associated with the site.)

This building, part of a large complex of utilitarian buildings and sheds, ranks with the Cornet Building (411 S. Arroyo Pkwy.) as one of two or three best intact examples of 1940's Moderne design in the Arroyo Parkway Industrial Area.

20. Main theme of the historic resource: (If more than one is checked, number in order of importance.)
Architecture ☒ Arts & Leisure ___
Economic/Industrial ___ Exploration/Settlement ___
Government ___ Military ___
Religion ___ Social/Education ___
21. Sources (List books, documents, surveys, personal interviews and their dates)
City Building Permits & Assess-
ment Records

22. Date form prepared September, 1989
By (name) Carson Anderson
Organization Urban Conservation
Pasadena City Hall
Address: Pasadena 91109
(818) 405 4228
City Zip
Phone: _____





State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
PRIMARY RECORD

Primary #
HRI #
Trinomial
CRHR Status Code 6Z

Other Listings
Review Code

Reviewer

Date

Page 1 of 7

*Resource Name or #: 503 S. Arroyo Parkway

P1. Other Identifier: N/A

*P2. Location: ☐ Not for Publication ☒ Unrestricted

*a. County: Los Angeles

and (P2b and P2c or P2d. Attach a Location Map as necessary.)

*b. USGS 7.5' Quad: Pasadena

Date: 1975 T S; R W; ¼ of ¼ of Sec ; SB

B.M.

c. Address: 503 S. Arroyo Parkway

City: Pasadena

Zip: 91105

d. UTM: Zone: 11S; 394154 mE/ 3777931 mN

e. Other Locational Data: (e.g., parcel #, directions to resource, elevation, etc., as appropriate)

The property is located at APN 5722-008-012

*P3a. Description: (Describe resource and its major elements. Include design, materials, condition, alterations, size, setting, and boundaries)
503 S. Arroyo Parkway is a one-story vernacular commercial building constructed in 1921. The building features a flat roof with a short parapet centered on the roofline on the east elevation. The east elevation of the building features a large opening filled with a roll-top warehouse door. The north elevation abuts the adjacent building addressed at 499 S. Arroyo Parkway, with which it appears to share an internal connection. The south elevation features no doors or fenestration. The building is sited to the rear (directly east) of 501 S. Arroyo Parkway

*P3b. Resource Attributes: (List attributes and codes) HP6. 1-2 story commercial building; HP8. Industrial building

*P4. Resources Present: ☒ Building ☐ Structure ☐ Object ☐ Site ☐ District ☐ Element of District ☐ Other (Isolates, etc.)

P5a. Photo or Drawing (Photo required for buildings, structures, and objects.)



P5b. Description of Photo: (View, date, accession #)
View of south and east elevations, facing northwest,
May 4, 2020

*P6. Date Constructed/Age and Sources:

☒ Historic ☐ Prehistoric ☐ Both

1921 (Los Angeles County Assessor)

*P7. Owner and Address:

The Arroyo Parkway, LLC
716 Mission Street
South Pasadena, CA 91030

*P8. Recorded by: (Name, affiliation, and address)

PaleoWest, LLC
517 S. Ivy Avenue
Monrovia, CA 91016

*P9. Date Recorded: May 2020

*P10. Survey Type: (Describe)

Intensive

*P11. Report Citation: (Cite survey report and other sources, or enter "none.")

Historic Resources Assessment in Support of the Affinity Project, Pasadena, Los Angeles County, California. PaleoWest, 2020.

*Attachments: ☐ NONE ☒ Location Map ☒ Sketch Map ☒ Continuation Sheet ☒ Building, Structure, and Object Record
☐ Archaeological Record ☐ District Record ☐ Linear Feature Record ☐ Milling Station Record ☐ Rock Art Record
☐ Artifact Record ☐ Photograph Record ☐ Other (List):

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

Primary #
HRI#

BUILDING, STRUCTURE, AND OBJECT RECORD

Page 2 of 7

*Resource Name or # (Assigned by recorder) 503 S. Arroyo Parkway

*Recorded by: PaleoWest, LLC

*Date: May 2020

B1. Historic Name: 503 S. Arroyo Parkway

B2. Common Name: 503 S. Arroyo Parkway

B3. Original Use: Industrial/ commercial building

B4. Present Use: Industrial/commercial building

***B5. Architectural Style:** modern vernacular

***B6. Construction History:** (Construction date, alterations, and date of alterations)

1921 (Los Angeles County Assessor). New warehouse door (date unknown, based on field observation)

***B7. Moved?** ☒No ☐Yes ☐Unknown **Date:** N/A

Original Location: N/A

***B8. Related Features:** N/A

B9a. Architect: Unknown

b. Builder: unknown

***B10. Significance: Theme:** N/A

Area: N/A

Period of Significance: N/A

Property Type: commercial/industrial

Applicable Criteria: N/A

(Discuss importance in terms of historical or architectural context as defined by theme, period, and geographic scope. Also address integrity.)

Early industrial development in Pasadena was largely concentrated along the north-south axis of the Santa Fe rail tracks, which entered the city through the center of the block between Raymond Avenue and Arroyo Parkway (then Broadway) where the business had access to incoming and outgoing freight services (Historic Resources Group, et al. 2007). In 1914 industrial zones were designated adjacent to railroad tracks within the city of Pasadena. While zoned for industrial purposes, these areas also contained residences which largely housed immigrants and minorities (O'Connor, et al. 1993). The industrial district was confined to Arroyo Parkway, Raymond, and Fair Oaks Avenues between Del Mar Boulevard in the north and the Arroyo Seco (now the route of the Pasadena Freeway) in the south. The main industries were laundries, light manufacturing, custom automobile assembly, storage and transport, lumber yards and milling (Historic Resources Group, et al. 2007).

(See Continuation Sheet)

B11. Additional Resource Attributes: (List attributes and codes) N/A

***B12. References:**

Refer to Continuation Sheet

B13. Remarks: N/A

***B14. Evaluator:** J. Castells, MA

***Date of Evaluation:** May 2020

(Sketch Map with north arrow required.)

Please see attached

***D6. Significance (Continued):**

503 S. Arroyo Parkway was constructed in 1921. On the 1931 Sanborn Fire Insurance Maps, 503 S. Arroyo Parkway is depicted as a concrete building. Additional associated buildings are shown abutting the building to the south but are no longer extant. Interior doors connecting the building with 501 S. Arroyo Parkway indicate that the buildings were directly associated with one another. The use for two buildings, along with 499 S. Arroyo Parkway, is indicated as wholesale grocery (Sanborn Map Company 1931), the Market Basket Warehouse (Heumann 2000). On the 1951 Sanborn Fire Insurance Maps 503 S. Arroyo Parkway is depicted as a concrete building. Additional associated buildings shown abutting the building to the south but are no longer extant. Interior doors connecting the building with 501 S. Arroyo Parkway indicate that the buildings continue to be directly associated with one another. The use for two buildings, along with 499 S. Arroyo Parkway, is indicated as paper warehouse and distribution (Sanborn Map Company 1951).

CRHR Evaluation

The following presents an assessment of the historical significance of 503 S. Arroyo Parkway by applying the procedure and criteria for the CRHR. The purpose of this assessment is to evaluate the eligibility of the resource for listing on the CRHR.

CRHR Criterion 1: 503 S. Arroyo Parkway does not meet CRHR Criterion 1 for association with events that have made a significant contribution to the broad patterns of California's history and cultural heritage. The building is one of many commercial/industrial buildings constructed throughout California and Pasadena throughout the twentieth century. Research has yielded no information to suggest that any significant events associated with the history of Pasadena, California, or the United States are specifically associated with this building. Therefore, 503 S. Arroyo Parkway is not eligible for the CRHR under Criterion 1.

CRHR Criterion 2: 503 S. Arroyo Parkway does not meet CRHR Criterion 2 for any direct associations with the productive lives of persons important in local, state, or national history. The building has housed several tenants over time and has been the workplace of numerous individuals, however; research has yielded no indication that any person of historical significance is specifically associated with this building. Therefore, 503 S. Arroyo Parkway is not eligible for the CRHR under Criterion 2.

CRHR Criterion 3: 503 S. Arroyo Parkway does not to meet CRHR Criterion 3 for embodying the distinctive characteristics of a type, period, and method of construction, or as the work of an important creative individual, or as having high artistic value. The building is an unremarkable and common example of a vernacular commercial/industrial building. While the neighboring 501 S. Arroyo Parkway is located immediately to the west, it shares none of the characteristics of Moderne design that make the building at 501 S. Arroyo Parkway historically significant. Additionally, the north-adjacent building at 499 S. Arroyo Parkway, with which the subject building appears to share an internal connection, has been evaluated separately under this criterion and does not appear to rise to a level of significance for its architecture that would result in a significant association. Therefore, 503 S. Arroyo Parkway is not eligible for the CRHR under Criterion 3.

CRHR Criterion 4: 503 S. Arroyo Parkway does not meet CRHR Criterion 4 since it is unlikely to yield information important to prehistory or history. It is unlikely that this property has the potential to broaden our understanding of mid-twentieth century building construction, or the history of Pasadena. Therefore, 503 S. Arroyo Parkway is not eligible for the CRHR under Criterion 4.

City of Pasadena Historic Preservation Ordinance Evaluation

503 S. Arroyo Parkway is recommended not eligible as a Historic Monument or a Landmark under the Local Register following the reasons outlined in the preceding section regarding eligibility under the comparable CRHR criteria. The criteria specific to Historic Signs and to Landmark Trees are not applicable to this building. 503 S. Arroyo Parkway is not located within a Landmark District and does not appear to be a contributor to a potential historic district.

***B12. References (Continued):**

Heumann, Leslie

2000 DPR 523 Series Primary Record for 501 South Arroyo Parkway (HRI# 1109-1092-000). Record on file at the South Central Coastal Information Center.

Historic Resources Group and Pasadena Heritage

2007 *Cultural Resources of the Recent Past Historic Context Report*. Prepared for the City of Pasadena, 2007.

O'Connor, Pamela and Urban Conservation Section of the Planning Division of the City of Pasadena.

1993 *Architectural/Historical Development of the City of Pasadena: Historic Context/Property Type Report.* Submitted to the California State Office of Historic Preservation, January 13, 1993.

Sanborn Map Company

1931 *Pasadena 1930-1931 vol. 1, Sheet 120*. New York: Sanborn Map Company.

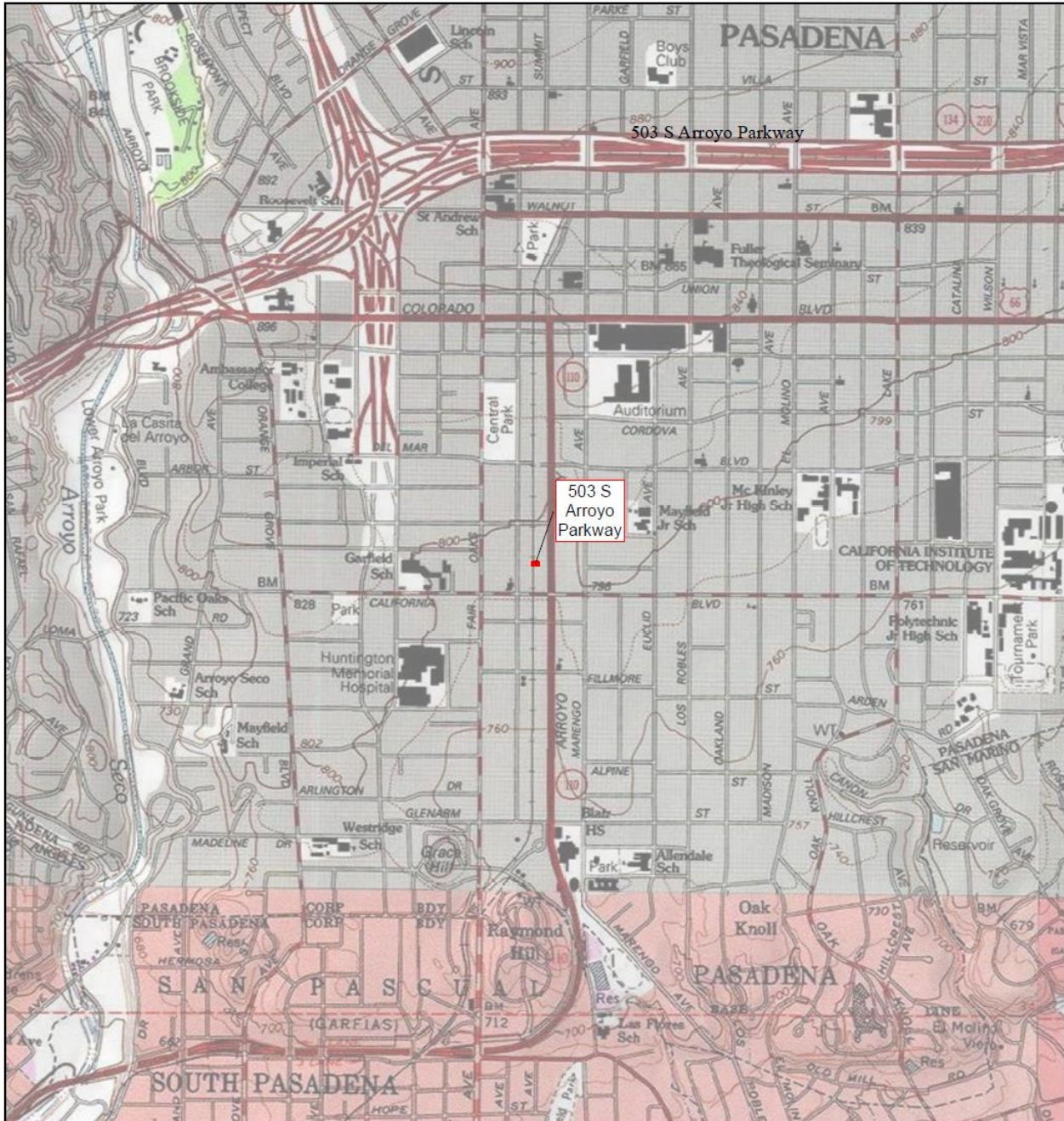
1951 *Pasadena 1930- Oct. 1951 vol. 1, Sheet 120*. New York: Sanborn Map Company.



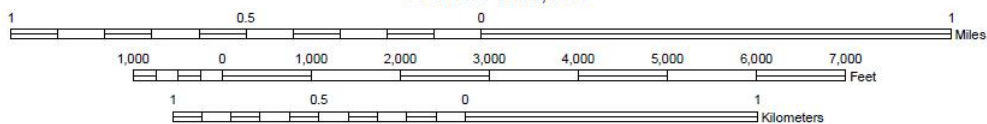
South elevation, facing north

Map Name: Pasadena, CA 7.5' USGS Quad.

Date: 1975



SCALE 1:24,000

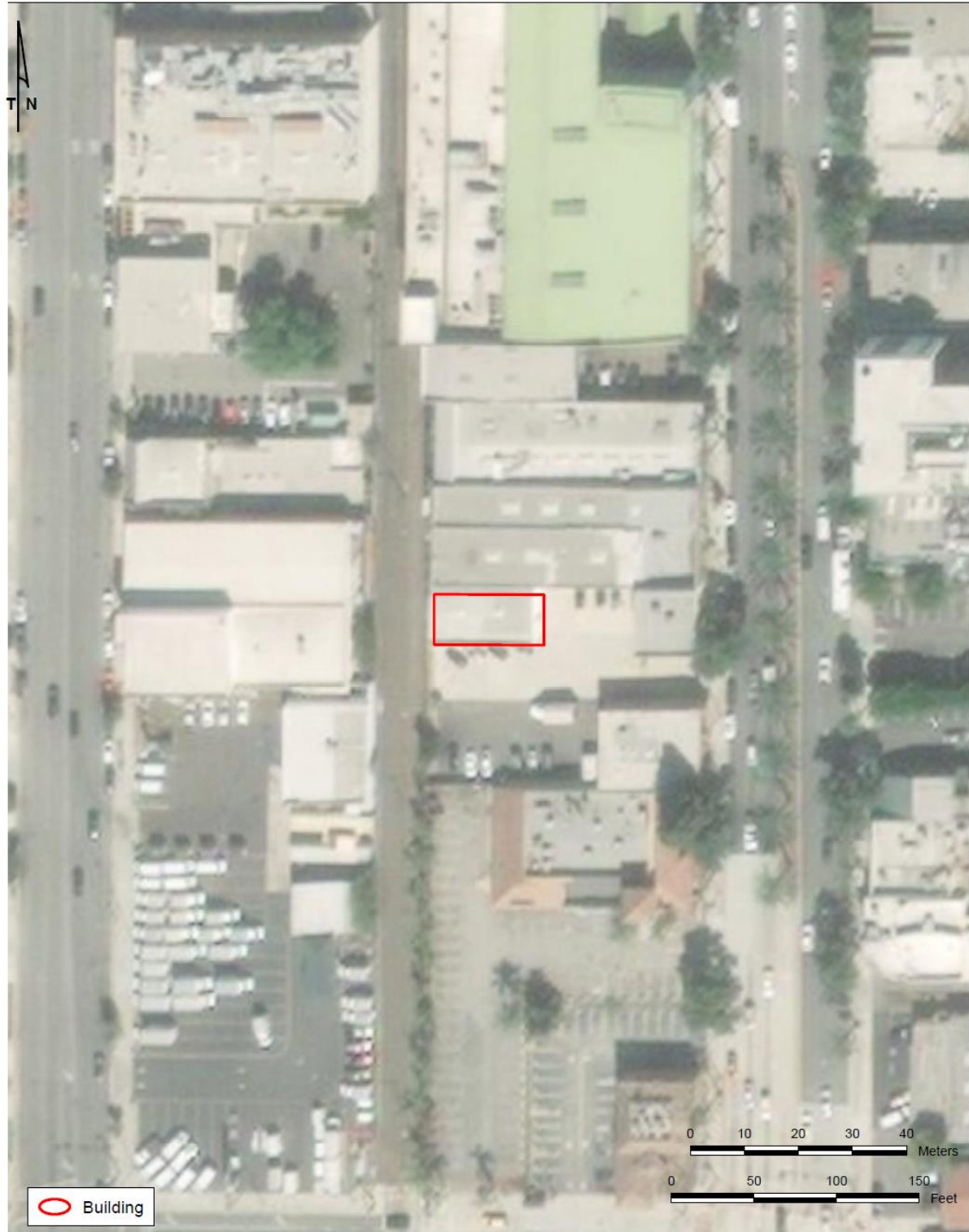


TRUE NORTH

*Drawn by: B.Spelts

*Scale: 1:1,000

*Date of map: May 2020



523 S. Arroyo Parkway, identified as the former Lewis Iron Building, was initially recorded by Jas. Draeger and C. Anderson in 1989 and was not specifically recommended as eligible under any criteria (Draeger and Anderson 1989). In 2000 the building was evaluated by Leslie Heumann of PCR services, and was recommended as eligible for the Local Register "as an example of commercial design by the prominent local architecture firm of Marston and Van Pelt" (Heumann 2000b). On May 4, 2020 PaleoWest staff revisited 523 S. Arroyo Parkway and noted the existing condition of the building. PaleoWest staff found the building as largely unchanged in any way that would compromise its historic integrity. Therefore, PaleoWest concurs with the 2000 recommendation that 501 S. Arroyo Parkway is eligible for the Local Register and recommends that 501 S. Arroyo Parkway is locally eligible under CRHR Criterion C.



East elevation, facing west

References:

Draeger, Jas. And C. Anderson
1989 DPR 523 Series Primary Record for 517-523 S. Arroyo Parkway (P-19-183402). Record on file at the South Central Coastal Information Center.

Heumann, Leslie
2000 DPR 523 Series Primary Record for 523 South Arroyo Parkway (HRI# 1109-1093-000). Record on file at the South Central Coastal Information Center.

Page 1 of 1

Resource Name or #: Lewis Iron Building

☐ Continuation ☒ Update

P2. Location: 517-523 South Arroyo Parkway

B10. Significance:

The former Lewis Iron Building was determined to be ineligible for listing in the National Register of Historic Places and was recorded in the State Historic Resources Inventory database as a 6X1. However, it is of local interest as an example of a commercial design by the prominent local architectural firm of Marston and Van Pelt.

Year of Construction: 1922

Architect: Marston & Van Pelt

Builder: unknown

P5b. Description/Date of Photo: View of the east elevation/May 12, 1998



P8. Recorded by: Leslie Heumann, PCR, 233 Wilshire Blvd., Suite 130, Santa Monica, CA 90401

P9. Date Recorded: August 30, 2000

HISTORIC RESOURCES INVENTORY
S15.14

HABS _____		HAER _____	Ser. No. <u>1107-1093</u>	NR <u>6</u>	SHL _____	Loc _____
UTM: A _____	B _____		C _____			
C _____		D _____		PROP # <u>070858</u>		
<u>19-183402</u>						

IDENTIFICATION

1. Common name: 517-523 South Arroyo Parkway
2. Historic name: Lewis Iron Building 19-183402
3. Street or rural address: 517-523 Arroyo Parkway
City Pasadena Zip 91105 County Los Angeles
4. Parcel number: Webster & Stratton's Sub., Lot 32
5. Present Owner: John & Eileen Anderson Address: 501 S. Arroyo
City Pasadena Zip 91105 Ownership is: Public _____ Private X
6. Present Use: Commercial Original use: Commercial

DESCRIPTION

- 7a. Architectural style:
- 7b. Briefly describe the present *physical description* of the site or structure and describe any major alterations from its original condition:

The Lewis Iron Building is a one-story, brick, commercial building. The front facade is symmetrical and is dominated by two large, arched openings. The one on the north has a sectional window composed of a two-light center section flanked by single panes and topped with a three section transom. The arched opening on the south has original, wood-panel garage doors. In the center of the facade is a pair of small six-light casements. On the north & south ends of the facade are wooden doors with transoms. The cornice is composed of a course of soldier brick topped by six courses of headers and a concrete coping. A continuous band of soldiers bricks runs above the doors and window arches.

Attach Photo(s) Here

8. Construction date: 1922
Estimated _____ Factual X
9. Architect Marston & Van Pelt
10. Builder Owner
11. Approx. property size (in feet)
Frontage 100 Depth 170
or approx. acreage _____
12. Date(s) of enclosed photograph(s)
1986

13. Condition: Excellent ____ Good ☒ Fair ____ Deteriorated ____ No longer in existence ____
14. Alterations: _____
15. Surroundings: (Check more than one if necessary) Open land ____ Scattered buildings ____ Densely built-up ☒
Residential ____ Industrial ☒ Commercial ☒ Other: _____
16. Threats to site: None known ☒ Private development ____ Zoning ____ Vandalism ____
Public Works project ____ Other: _____
17. Is the structure: On its original site? ☒ Moved? ____ Unknown? ____
18. Related features: _____

SIGNIFICANCE

19. Briefly state historical and/or architectural importance (include dates, events, and persons associated with the site.)

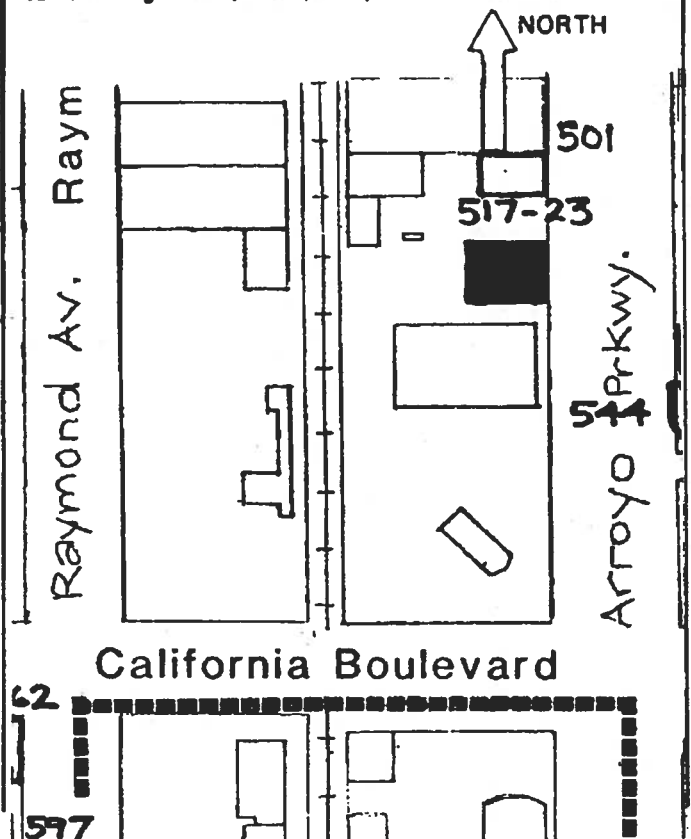
This handsomely detailed building is the work of the distinguished architectural firm of Marston & Van Pelt, which with its successor firms authored many commercial, institutional and residential buildings locally. This simple design, built originally to house the offices of the C. E. Millspaugh Electrical Contracting Company shows a masterful placement and proportioning of the window/door details, and use of contrasting brick patternwork (viz. Flemish, header, and soldier bond) for subtle decorative effect.

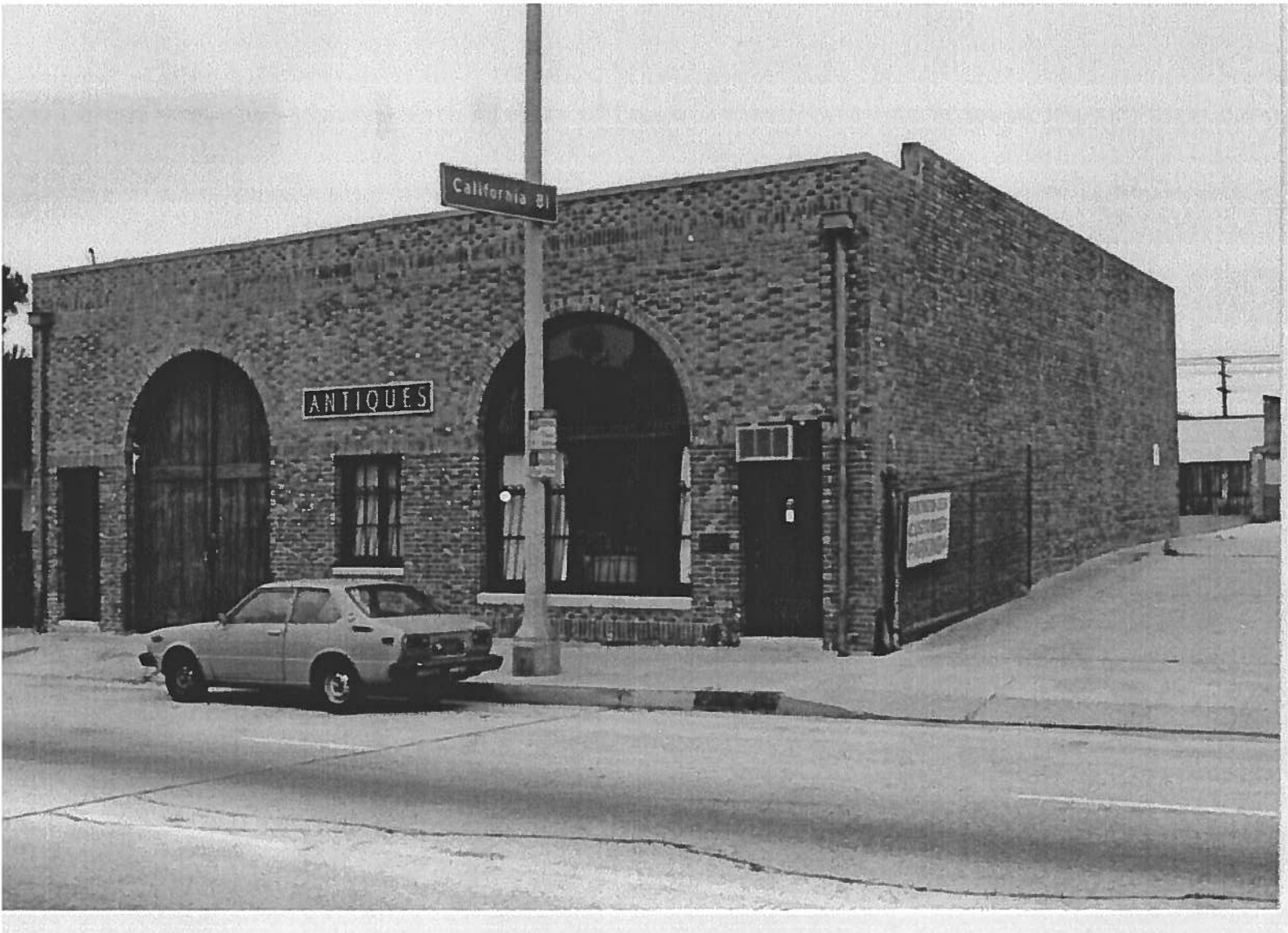
20. Main theme of the historic resource: (If more than one is checked, number in order of importance.)
Architecture ☒ Arts & Leisure ____
Economic/Industrial ____ Exploration/Settlement ____
Government ____ Military ____
Religion ____ Social/Education ____

21. Sources (List books, documents, surveys, personal interviews and their dates).
City Building Permits & Assessor Records

22. Date form prepared September, 1989
By (name) Jas. Draeger/C. Anderson
Organization Urban Conservation
Address: Pasadena City Hall
Pasadena 91109
City (818) 405-4228 Zip
Phone: _____

Locational sketch map (draw and label site and surrounding streets, roads, and prominent landmarks):





State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
PRIMARY RECORD

Primary #
HRI #
Trinomial
CRHR Status Code 6Z

Other Listings
Review Code

Reviewer

Date

Page 1 of 7

*Resource Name or #: 541 S. Arroyo Parkway

P1. Other Identifier: N/A

*P2. Location: ☐ Not for Publication ☒ Unrestricted

*a. County: Los Angeles

and (P2b and P2c or P2d. Attach a Location Map as necessary.)

*b. USGS 7.5' Quad: Pasadena

Date: 1975 T S; R W; ¼ of ¼ of Sec ; S.B.B.M.

c. Address: 541 S. Arroyo Parkway

City: Pasadena

Zip: 91105

d. UTM: Zone: 11S; 394173 mE/ 37778901 mN

e. Other Locational Data: (e.g., parcel #, directions to resource, elevation, etc., as appropriate)

The property is located at APN 5722-008-017

*P3a. **Description:** (Describe resource and its major elements. Include design, materials, condition, alterations, size, setting, and boundaries)
541 S. Arroyo Parkway is a one-story mission revival-style/ Spanish revival style commercial building constructed in 1951. The building has a rectangular plan with a Spanish tile mansard roof. Mission-style parapets are centered on the south and east elevations. The south elevation features a recessed arched entryway with decorative concrete surrounds on the east portion of the elevation. A square tower with a Spanish tile hipped roof is located above the entry. The tower features two windows filled with wooden slats just below the roofline of the tower on each of the elevations. A fixed multi-light window with decorative concrete surrounds is centered on the elevation beneath the mission-style parapet. To the west of the window is an entry door with decorative concrete surrounds located beneath an awning with Spanish tile. A fixed multi-light window with decorative concrete surrounds is located on the west portion of the elevation beneath a short mission-style parapet. The west elevation features vents and a utility closet. The east elevation features a covered patio area with a Spanish tile roof. A chimney with decorative vents and a hipped Spanish tile roof is located on the roof above the covered patio. The north elevation partially abuts the adjacent building and the remainder of the elevation has no doors or fenestration.

*P3b. **Resource Attributes:** (List attributes and codes) HP6. 1-2 story commercial building

*P4. **Resources Present:** ☒ Building ☐ Structure ☐ Object ☐ Site ☐ District ☐ Element of District ☐ Other (Isolates, etc.)

P5a. Photo or Drawing (Photo required for buildings, structures, and objects.)



View of southeast elevation, facing northwest, May 4, 2020

*P6. **Date Constructed/Age and Sources:**

☒ Historic ☐ Prehistoric ☐ Both

1951 (Los Angeles County Assessor)

*P7. **Owner and Address:**

The Arroyo Parkway, LLC
716 Mission Street
South Pasadena, CA 91030

*P8. **Recorded by:** (Name, affiliation, and address)

PaleoWest, LLC
517 S. Ivy Avenue
Monrovia, CA 91016

*P9. **Date Recorded:** May 2020

*P10. **Survey Type:** (Describe)

Intensive

*P11. **Report Citation:** (Cite survey report and other sources, or enter "none.")

Historic Resources Assessment in Support of the Affinity Project, Pasadena, Los Angeles County, California. PaleoWest, 2020.

*Attachments: ☐ NONE ☒ Location Map ☒ Sketch Map ☒ Continuation Sheet ☒ Building, Structure, and Object Record
☐ Archaeological Record ☐ District Record ☐ Linear Feature Record ☐ Milling Station Record ☐ Rock Art Record
☐ Artifact Record ☐ Photograph Record ☐ Other (List):

BUILDING, STRUCTURE, AND OBJECT RECORD

Page 2 of 7

*Resource Name or # (Assigned by recorder) 541 S. Arroyo Parkway

*Recorded by: PaleoWest, LLC

*Date: May 2020

B1. Historic Name: Westward Ho Steakhouse

B2. Common Name: 541 S. Arroyo Parkway

B3. Original Use: restaurant

B4. Present Use: restaurant

***B5. Architectural Style:** modern vernacular

***B6. Construction History:** (Construction date, alterations, and date of alterations)

Constructed 1952 (Los Angeles County Assessor). Remodel (2002, Pasadena Building and Safety Division)

***B7. Moved?** ☒No ☐Yes ☐Unknown **Date:** N/A

Original Location: N/A

***B8. Related Features:** N/A

B9a. Architect: Unknown

b. Builder: unknown

***B10. Significance: Theme:** N/A

Area: N/A

Period of Significance: N/A

Property Type: commercial

Applicable Criteria: N/A

(Discuss importance in terms of historical or architectural context as defined by theme, period, and geographic scope. Also address integrity.)

Early industrial development in Pasadena was largely concentrated along the north-south axis of the Santa Fe rail tracks, which entered the city through the center of the block between Raymond Avenue and Arroyo Parkway (then Broadway) where the business had access to incoming and outgoing freight services (Historic Resources Group, et al. 2007). In 1914 industrial zones were designated adjacent to railroad tracks within the city of Pasadena. While zoned for industrial purposes, these areas also contained residences which largely housed immigrants and minorities (O'Connor, et al. 1993). The industrial district was confined to Arroyo Parkway, Raymond, and Fair Oaks Avenues between Del Mar Boulevard in the north and the Arroyo Seco (now the route of the Pasadena Freeway) in the south. The main industries were laundries, light manufacturing, custom automobile assembly, storage and transport, lumber yards and milling (Historic Resources Group, et al. 2007).

In Pasadena, common architectural styles associated with commercial buildings of the period include Late Moderne, Corporate Modern, Vernacular Modern, New Formalist and Brutalist styles. It must retain high integrity of design, materials and workmanship that convey its period of construction. While most buildings undergo alteration over time, these alterations should not significantly change the historic appearance of the building (Historic Resources Group, et al. 2007).

(See Continuation Sheet)

B11. Additional Resource Attributes: (List attributes and codes) N/A

***B12. References:**

Refer to Continuation Sheet

B13. Remarks: N/A

***B14. Evaluator:** J. Castells, MA

***Date of Evaluation:** May 2020

(Sketch Map with north arrow required.)

Please see attached

Page 3 of 7

*Resource Name or # (Assigned by recorder) 541 S. Arroyo Parkway

*Recorded by: PaleoWest, LLC

*Date: May 2020 ■ Continuation □ Update

***D6. Significance (Continued):**

541 S. Arroyo Parkway was constructed in 1951. By at least 1959, the building was home to the Westward Ho Steak House (*Star-News* 1959) owned by Ed and Loretta Nicastro (*Star-News* 1962). The restaurant was known locally for live music and for its 10 ounce "small" steak (Gambole 1966). The Westward Ho Steak House operated until 1977 (*Los Angeles Times* 1977). In 1978 a restraint called Duck Soup opened at the location, operated by Carl Warren, Sam Goldenberg, Mert Wallen, and Joe Dietchmann (*Los Angeles Times* 1978b). Warren, Goldenberg, Wallen, and Dietchmann were all, at the time, either owners or top executives in the International House of Pancakes (Thomey 1968). By 1989 Duck Soup had closed and Manan Restaurant was located in the building (*Monrovia News-Post* 1989). In 2002 a design review was requested for a remodel of the building (Pasadena Building and Safety Division 2002a) and permits were issued for the remodel the same year (Pasadena Building and Safety Division 2002b). Permits were issued in 2004 (Pasadena Building and Safety Division 2004) for a new monument sign and in 2005 for an illuminated wall sign (Pasadena Building and Safety Division 2005).

CRHR Evaluation

The following presents an assessment of the historical significance of 541 S. Arroyo Parkway by applying the procedure and criteria for the CRHR. The purpose of this assessment is to evaluate the eligibility of the resource for listing on the CRHR.

CRHR Criterion 1: 541 S. Arroyo Parkway does not meet CRHR Criterion 1 for association with events that have made a significant contribution to the broad patterns of California's history and cultural heritage. The building is one of many restaurants constructed throughout California and the United States during the mid-twentieth century. Research has yielded no information to suggest that any significant events associated with the history of Pasadena, California, or the United States are specifically associated with this building. Therefore, 541 S. Arroyo Parkway is not eligible for the CRHR under Criterion 1.

CRHR Criterion 2: 541 S. Arroyo Parkway does not meet CRHR Criterion 2 for any direct associations with the productive lives of persons important in local, state, or national history. The building was constructed by restaurateurs Ed and Loretta Nicastro and was home to their Westward Ho Steak House until 1977. Further, several musicians performed at the restaurant during its period as the Westward Ho Steakhouse. After 1977 several different owners and operators, including a partnership between several International House of Pancakes executives wither owned or operated out of the property. Research has yielded no information to suggest that any of these individuals were historically important or that any persons of historical significance are specifically associated with this building. While the Nicastros were prominent business owners and the Westward Ho Steakhouse was a popular dining destination, there is no indication that they made a substantial contribution to the history of Pasadena, California, or the United States. Therefore, 541 S. Arroyo Parkway is not eligible for the CRHR under Criterion 2.

CRHR Criterion 3: 541 S. Arroyo Parkway does not to meet CRHR Criterion 3 for embodying the distinctive characteristics of a type, period, and method of construction, or as the work of an important creative individual, or as having high artistic value. The building was initially a mission revival-style building but has subsequently undergone renovations that have included Spanish revival-style elements such as the tower over the entryway. Both mission revival and Spanish revival style architecture are ubiquitous in southern California, as is the amalgamation of the two styles. This building is not a remarkable example of either style nor is it a remarkable example of the combination of the two styles. While the architects and builders of the building were not identified, it is unlikely that the building represents the work of a master. Therefore, 541 S. Arroyo Parkway is not eligible for the CRHR under Criterion 3.

CRHR Criterion 4: 541 S. Arroyo Parkway does not meet CRHR Criterion 4 since it is unlikely to yield information important to prehistory or history. It is unlikely that this property has the potential to broaden our understanding of mid-twentieth century building construction, the history of the restaurant industry, or the history of Pasadena. Therefore, 541 S. Arroyo Parkway is not eligible for the CRHR under Criterion 4.

City of Pasadena Historic Preservation Ordinance Evaluation

541 S. Arroyo Parkway is recommended not eligible as a Historic Monument or a Landmark under the Local Register following the reasons outlined in the preceding section regarding eligibility under the comparable CRHR criteria. The criteria specific to Historic Signs and to Landmark Trees are not applicable to this building. 541 S. Arroyo Parkway is not located within a Landmark District and does not appear to be a contributor to a potential historic district.

***B12. References (Continued):**

Gamble, Miles.

1966 "'Small' Steaks Key to Success." *Independent Start News*, January 30, 1966, pg. 99.

Historic Resources Group and Pasadena Heritage

2007 *Cultural Resources of the Recent Past Historic Context Report*. Prepared for the City of Pasadena, 2007.

Los Angeles Times

1977 "Westward Ho." *Los Angeles Times*, March 22, 1977.

1978b "Other Things." *Los Angeles Times*, January 22, 1978, pg. 454.

Monrovia News-Post

1989 "General Manager. Assoc. General Manager." *Monrovia News-Post*, January 15, 1989, pg. 16.

O'Connor, Pamela and Urban Conservation Section of the Planning Division of the City of Pasadena.

1993 *Architectural/Historical Development of the City of Pasadena: Historic Context/Property Type Report*. Submitted to the California State Office of Historic Preservation, January 13, 1993.

Pasadena Building and Safety Division

2002a "Permit PLN2002-02198." Pasadena Building and Safety Division Records for 541 S. Arroyo Parkway, on file at the Pasadena Building and Safety Division.

2002b "Permit BLD2002-01339." Pasadena Building and Safety Division Records for 541 S. Arroyo Parkway, on file at the Pasadena Building and Safety Division.

2004 "Permit BMN2004-00499." Pasadena Building and Safety Division Records for 541 S. Arroyo Parkway, on file at the Pasadena Building and Safety Division.

2005 "Permit BMN2005-0069." Pasadena Building and Safety Division Records for 541 S. Arroyo Parkway, on file at the Pasadena Building and Safety Division.

Star-News

1959 "everything but the price is a little bigger at the Westward Ho Steak House." *Star-News* June 1, 1959, pg. A-7.

1962 "Westward Ho Steak House." *Star-News* January 3, 1962, pg. 18.

Thomey, Tedd.

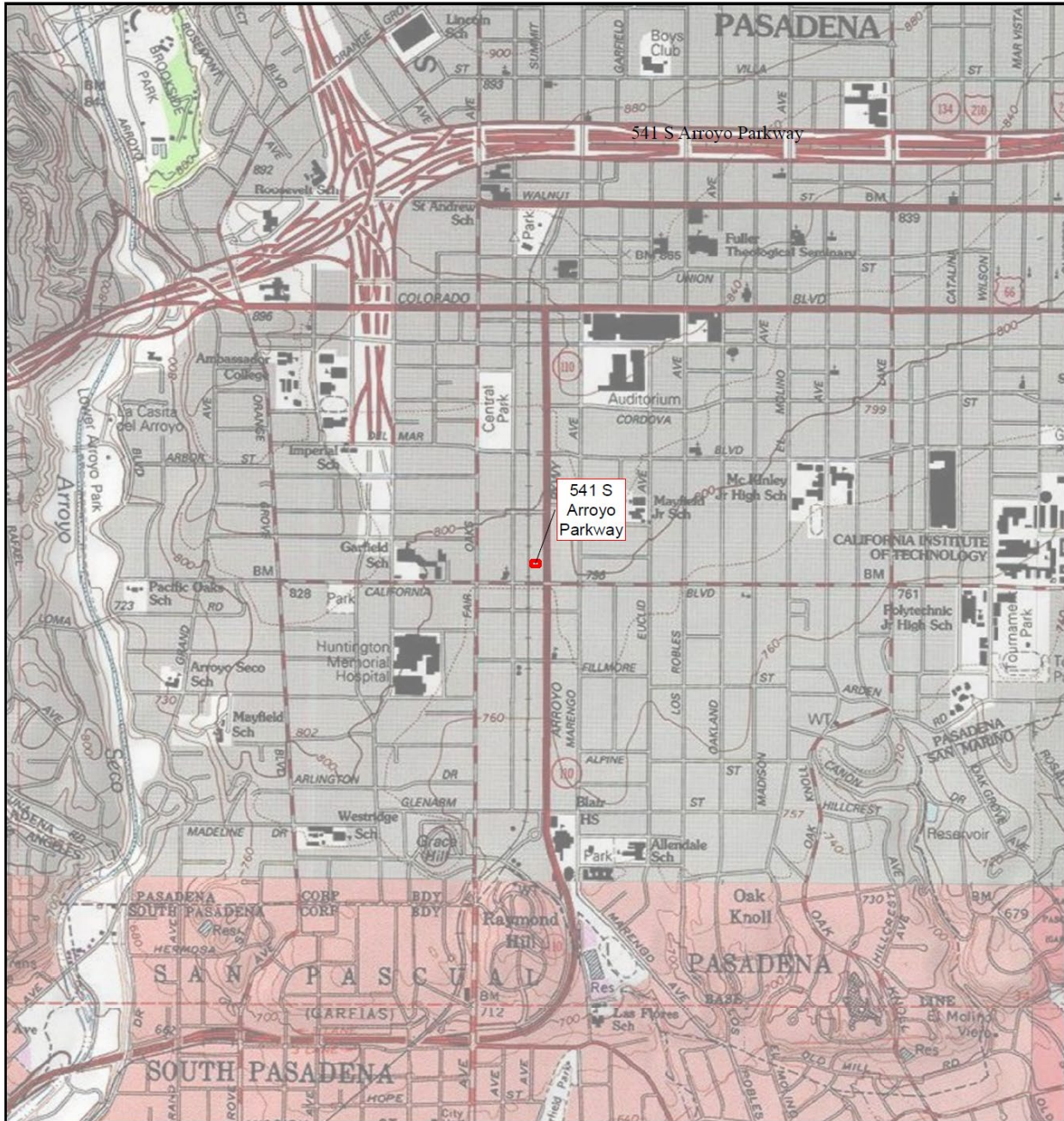
1968 "Table Talk." *Long Beach Independent*, July 26, 1968, pg. 34



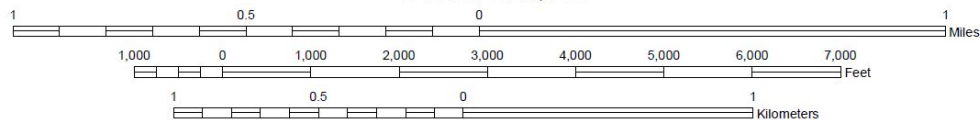
South elevation, facing north

Map Name: Pasadena, CA 7.5' USGS Quad.

Date: 1975



SCALE 1:24,000



TRUE NORTH

*Drawn by: B.Spelts

*Scale: 1:1,000

*Date of map: May 2020





Appendix B. Records Search Results (Confidential)

South Central Coastal Information Center

California State University, Fullerton
Department of Anthropology MH-426
800 North State College Boulevard
Fullerton, CA 92834-6846
657.278.5395 / FAX 657.278.5542

sccic@fullerton.edu

California Historical Resources Information System
Orange, Los Angeles, and Ventura Counties

7/30/2020

Records Search File No.: 21480.7590

Charles Cisneros
PSOMAS
225 S Lake Ave, Suite 1000
Pasadena, CA 91101

Re: Records Search Results for the 3PAS012100 Project

The South Central Coastal Information Center received your records search request for the project area referenced above, located on the Pasadena, CA USGS 7.5' quadrangle. Due to the COVID-19 emergency, we have temporarily implemented new records search protocols. With the exception of some reports that have not yet been scanned, we are operationally digital for Los Angeles, Orange, and Ventura Counties. See attached document for your reference on what data is available in this format. The following reflects the results of the records search for the project area and a ½-mile radius:

As indicated on the data request form, the locations of resources and reports are provided in the following format: ☐ custom GIS maps ☒ shape files ☐ hand drawn maps

Resources within project area: 3	19-183400, 19-183401, 19-183402
Resources within ½-mile radius: 69	SEE ATTACHED LIST
Reports within project area: 0	None
Reports within ½-mile radius: 16	SEE ATTACHED LIST

Resource Database Printout (list): ☒ enclosed ☐ not requested ☐ nothing listed
Resource Database Printout (details): ☐ enclosed ☒ not requested ☐ nothing listed
Resource Digital Database (spreadsheet): ☐ enclosed ☒ not requested ☐ nothing listed
Report Database Printout (list): ☒ enclosed ☐ not requested ☐ nothing listed
Report Database Printout (details): ☐ enclosed ☒ not requested ☐ nothing listed
Report Digital Database (spreadsheet): ☐ enclosed ☒ not requested ☐ nothing listed
Resource Record Copies: ☒ enclosed ☐ not requested ☐ nothing listed
Report Copies: ☐ enclosed ☐ not requested ☒ nothing listed
OHP Built Environment Resources Directory (BERD) 2019: ☒ available online; please go to
https://ohp.parks.ca.gov/?page_id=30338
Archaeo Determinations of Eligibility 2012: ☐ enclosed ☐ not requested ☒ nothing listed
Los Angeles Historic-Cultural Monuments ☐ enclosed ☐ not requested ☒ nothing listed

<u>Historical Maps:</u>	<input type="checkbox"/> enclosed <input checked="" type="checkbox"/> not requested <input type="checkbox"/> nothing listed
<u>Ethnographic Information:</u>	<input checked="" type="checkbox"/> not available at SCCIC
<u>Historical Literature:</u>	<input checked="" type="checkbox"/> not available at SCCIC
<u>GLO and/or Rancho Plat Maps:</u>	<input checked="" type="checkbox"/> not available at SCCIC
<u>Caltrans Bridge Survey:</u>	<input checked="" type="checkbox"/> not available at SCCIC; please go to http://www.dot.ca.gov/hq/structur/strmaint/historic.htm
<u>Shipwreck Inventory:</u>	<input checked="" type="checkbox"/> not available at SCCIC; please go to http://shipwrecks.slc.ca.gov/ShipwrecksDatabase/Shipwrecks_Database.asp
<u>Soil Survey Maps: (see below)</u>	<input checked="" type="checkbox"/> not available at SCCIC; please go to http://websoilsurvey.nrcs.usda.gov/app/WebSoilSurvey.aspx

Please forward a copy of any resulting reports from this project to the office as soon as possible. Due to the sensitive nature of archaeological site location data, we ask that you do not include resource location maps and resource location descriptions in your report if the report is for public distribution. If you have any questions regarding the results presented herein, please contact the office at the phone number listed above.

The provision of CHRIS Data via this records search response does not in any way constitute public disclosure of records otherwise exempt from disclosure under the California Public Records Act or any other law, including, but not limited to, records related to archeological site information maintained by or on behalf of, or in the possession of, the State of California, Department of Parks and Recreation, State Historic Preservation Officer, Office of Historic Preservation, or the State Historical Resources Commission.

Due to processing delays and other factors, not all of the historical resource reports and resource records that have been submitted to the Office of Historic Preservation are available via this records search. Additional information may be available through the federal, state, and local agencies that produced or paid for historical resource management work in the search area. Additionally, Native American tribes have historical resource information not in the CHRIS Inventory, and you should contact the California Native American Heritage Commission for information on local/regional tribal contacts.

Should you require any additional information for the above referenced project, reference the record search number listed above when making inquiries. Requests made after initial invoicing will result in the preparation of a separate invoice.

Thank you for using the **C**alifornia **H**istorical **R**esources **I**nformation **S**ystem,

Michelle Galaz
Assistant Coordinator

Enclosures:

(X) Emergency Protocols for LA, Orange, and Ventura County BULK Processing Standards – 2 pages

(X) GIS Shapefiles – 88 shapes

(X) Resource Database Printout (list) – 7 pages

(X) Report Database Printout (list) – 2 pages

(X) Resource Record Copies – (within project area) 9 pages

Emergency Protocols for LA, Orange, and Ventura County BULK or SINGLE PROJECT Records Searches IF YOU HAVE A GIS PERSON ON STAFF ONLY!!

These instructions are for qualified consultants with a valid Access and Use Agreement.

WE ARE ONLY PROVIDING DATA THAT IS ALREADY DIGITAL AT THIS TIME.

Some of you have a fully digital operation and have GIS staff on board who can process a fully digital deliverable from the Information Center. IF you can accept shape file data and do not require a custom map made for you by the SCCIC, and you are willing to sort the data we provide to you then these instructions are for you. Read further to be sure. You may have only one project at this time or some of you have a lot of different search locations that can be processed all at once. This may save you a lot of time getting results back and if we process your jobs in bulk, and you may enjoy significant cost savings as well.

Bulk processing will work for you if you have a GIS person on staff who can sort bulk data for you and make you any necessary project maps. This type of job can have as many job locations as you want but the point is that we will do them in bulk – at the same time - not one at a time. We send all the bulk data back to you and you sort it. This will work if you need searches in LA, Orange, or Ventura AND if they all have the same search radius and if all the other search criteria is the same– no exceptions. This will not work for San Bernardino County because we are not fully digital for San Bernardino County. You must submit all your shape files for each location at the same time and this will count as one search. If you have some that need a different radius, or different search criteria, then you should submit that job separately with its own set of instructions.

INSTRUCTIONS FOR BULK PROCESSING:

Please send in your requests via email using the data request form along with the associated shape files and pdf maps of the project area(s) at 1-24k scale. PDFs must be able to be printed out on 8.5X 11 paper. We check your shape file data against the pdf maps. This is where we find discrepancies between your shape files and your maps. This is required.

Please use this data request form and make sure you fill it out properly.

<http://web.sonoma.edu/nwic/docs/CHRISDataRequestForm.pdf>

DELIVERABLES:

1. A copy of the Built Environment Resources Directory or BERD for Los Angeles, Orange, Ventura, or San Bernardino County can now be found at the OHP Website for you to do your own research. This replaces the old Historic Properties Directory or HPD. We will not be searching this for you at this time but you can search it while you are waiting for our results to save time.
2. You will only get shapefiles back, which means that you will have to make your own maps for each project location.

3. You will get a bulk processed bibliographies for resources and reports as selected; you will not get individual bibliographies for each project location.
4. You will get pdfs of resources and reports if you request them, provided that they are in digital formats. We will not be scanning records or reports at this time.
5. You will get one invoice for the bulk data processing. We can't bill this as individual jobs on separate invoices for you. If there are multiple project names, we are willing to reference all the job names on the invoice if needed. If there a lot of job id's we may ask you to send them in an email so that we can copy and paste it into the invoice details. If you need to bill your clients for the data, you can refer to our fee schedule on the OHP website under the CHRIS tab and apply the fees accordingly.
6. We will be billing you at the staff rate of \$150 per hour and you will be charged for all resources and report locations according to the "custom map charges". This is in lieu of the \$12 per GIS shape file data fee that we normally charge for GIS files and this will only apply during the Covid 19 emergency. You will also be billed 0.15 per pdf page, or 0.25 per excel line as is usual.
7. Your packet will be mailed to you on a CD or via Dropbox if you have an account. We use 7-zip to password protect the files so you will need both. We email you the password.

I may not have been able to cover every possible contingency in this set of instructions and will update it if necessary. You can email me with questions at sccic@fullerton.edu

Thank you,

Stacy St. James

South Central Coastal Information Center

Los Angeles, Orange, Ventura, and San Bernardino Counties



Report List

Report No.	Other IDs	Year	Author(s)	Title	Affiliation	Resources
LA-03497		1994	Anonymous	Draft Supplemental Environmental Impact Report Pasadena-Los Angeles Light Rail Transit Project	Tetra Tech, Inc.	
LA-03498		1994	Anonymous	Final Supplemental Environmental Impact Report Pasadena-Los Angeles Light Rail Transit Project	Tetra Tech, Inc.	
LA-03498A			Saurenman, Hugh	Evaluation of Change in Noise Impacts, Proposed Blue Line Wayside Horn System	Harris Miller Miller & Hanson Inc	
LA-04359		1981	Anonymous	Historic Property Survey Reconstruction of Damaged Improvements on Marengo Avenue From Cordova Street to Glenarm Street City of Pasadena County of Los Angeles		19-180069, 19-180070
LA-04386		1993	Anonymous	Cultural Resources Overview Los Angeles County Metropolitan Transportation Authority's Interstate Commerce Commission Abandonment Exemption Pasadena-Los Angeles Light Rail Transit Project	Caltrans	
LA-04451		1983	Anonymous	Route 7 Environmental Impact Statement Supplement	Caltrans	19-179484, 19-179518, 19-179524, 19-179529, 19-179530, 19-179531, 19-179561, 19-179610, 19-179614, 19-179618
LA-04909		2000	Atchley, Sara M.	Cultural Resources Investigation for the Nextlink Fiber Optic Project, Los Angeles and Orange Counties, California	Jones & Stokes	
LA-05163		2000	Duke, Curt	Cultural Resource Assessment for Pacific Bell Mobile Services Facility La 963-09, County of Los Angeles, Ca	LSA Associates, Inc.	
LA-05237			Remson, E.J.	Documentation for Determination of No Adverse Effect: Union Station Project	City of Pasadena	
LA-05635		2001	Duke, Curt	Cultural Resource Assessment: Cingular Wireless Facility No. Vy 106-01 Los Angeles County, California	LSA Associates, Inc.	
LA-07918		2006	Wlodarski, Robert J.	Record Search and Field Reconnaissance for the Proposed Royal Street Communications Wireless Telecommunications Site La0107a (sbc T-mobile Raymond) Located at 901 S. Raymond Avenue, Pasadena, California 91105	Cellular, Archaeological Resource, Evaluations	

Report List

Report No.	Other IDs	Year	Author(s)	Title	Affiliation	Resources
LA-09139		2007	Bonner, Wayne H.	Direct APE Historic Architectural Assessment for T-Mobile Candidate IE24799A (Arroyo Storage), 411 South Arroyo Parkway, Pasadena, Los Angeles County, California	Michael Brandman Associates	
LA-09163		2007	Bonner, Wayne H.	Cultural Resources Records Search and Site Visit Results for T-Mobile Candidate IE24799A (Arroyo Storage), 411 South Arroyo Parkway, Pasadena, Los Angeles County, California	Michael Brandman Associates	19-180069, 19-180411, 19-180417, 19-180418, 19-180424, 19-180483, 19-180485, 19-180489, 19-180490, 19-183407, 19-188016
LA-11801		2012	Ewing-Toledo, Kelly	Historical Resources Compliance Report for Sequoyah School Expansion Project City of Pasadena, Los Angeles County, Route 710 Corridor	Caltrans District 7	19-180326
LA-11958		2012	Bonner, Wayne	Cultural Resources Records Search and Site Visit Results for T-Mobile West, LLC Candidate IE24799A (IE799 Arroyo Storage RT) 411 South Arroyo Parkway, Pasadena, Los Angeles County, California	MBA	19-180411, 19-180417, 19-180418, 19-180424, 19-180483, 19-180485, 19-180489, 19-180490, 19-183399, 19-183407, 19-188016
LA-12511		2012	Supernowicz, Dana	Architectural Evaluation Report of the American Laser Building Project, AT&T Mobility Site No. LA0342, 301 S Fair Oaks Avenue, Pasadena, Los Angeles County, CA	Historic Resource Associates	19-180268, 19-180321, 19-180411, 19-180518, 19-183398, 19-183407, 19-184771, 19-184977, 19-188016
LA-13047		2014	Bonner, Diane F., Carrie D. Wills, and Kathleen A. Crawford	Cultural Resources Records Search and Site Visit Results for T-Mobile West, LLC Candidate IE24799A (IE799 Arroyo Storage RT), 411 South Arroyo Parkway, Pasadena, Los Angeles County, California	Environmental Assessment Specialists, Inc	19-183399

Resource List

Primary No.	Trinomial	Other IDs	Type	Age	Attribute codes	Recorded by	Reports
P-19-150137		OHP Property Number - 098851; Resource Name - Mrs M Ellis House	Building	Historic	HP02	1994 (D. Kane, Caltrans)	LA-03440
P-19-150141		OHP Property Number - 098546; Resource Name - JS Mason	Building	Historic	HP02	1994 (D. Kane, Caltrans)	LA-03440
P-19-150142		OHP Property Number - 098545; Resource Name - Varick D Martin House	Building	Historic	HP02	1994 (D. Kane, Caltrans)	LA-03440
P-19-150143		OHP Property Number - 031093; Resource Name - Rev Hiram Hill/ Alonzo Beal House	Building	Historic	HP02	1994 (D. Kane, Caltrans)	LA-03440
P-19-179928		OHP Property Number - 030623; Resource Name - 19, 21-25 S Fair Oaks	Building, Element of district	Historic		1977 (Rodney Wray, Cultural Heritage Program - City of Pasadena)	
P-19-179979		OHP Property Number - 030675; Resource Name - Green Hotel Annex/Castle Green Apts/Hotel Green W Annex; Other - Castle Green Apts; Other - Hotel Green	Building, Element of district	Historic	HP03	1979 (M. Gadski)	LA-10711
P-19-179990		OHP Property Number - 030686; Resource Name - Datsun Toyota Automotive	Building, Element of district	Historic		1978 (Nancy Impastato, Ann Scheid, Lucy Shih, Cultural Heritage Program)	
P-19-179992		OHP Property Number - 030688; Resource Name - Star Saddle Livery/Royal Land Paper Co	Building, Element of district	Historic		1979 (Ann Scheid)	
P-19-179993		OHP Property Number - 030689; Resource Name - Pasadena Polishing & Finishing	Building, Element of district	Historic		1978 (Nancy Impastato, Lucy Shih, Ann Scheid, Cultural Heritage Program)	
P-19-179994		OHP Property Number - 030690; Resource Name - Camphor Tree	Building, Element of district	Historic		1979 (Ann Scheid, Cultural Heritage Program)	
P-19-180006		OHP Property Number - 030702; Resource Name - Friendship Baptist Church; Other - First Black Baptist Church in Pasadena	Building	Historic	HP16	1978 (H Moore, E McNeil, J Henderson, Friendship Baptist Church)	

Resource List

Primary No.	Trinomial	Other IDs	Type	Age	Attribute codes	Recorded by	Reports
P-19-180039		OHP Property Number - 030736; Resource Name - Security Bldg; Other - Pacific Southwest Security Bldg	Building	Historic	HP07		
P-19-180045		OHP Property Number - 030742; Resource Name - Civic Center Financial District	District	Historic	HP07	1981 (R. Sicha, Pasadena Heritage)	LA-07459
P-19-180047		OHP Property Number - 030746; Resource Name - Euclid Court	Building	Historic	HP02	1983 (A. Daza & D. Miller, Urban Conservation)	
P-19-180048		OHP Property Number - 030747; Resource Name - Miraflores Court	Building	Historic	HP02	1983 (R. Christmas & D. Miller, Urban Conservation)	
P-19-180051		OHP Property Number - 030750; Resource Name - The Home Laundry; Voided - 19-174103	Building	Historic	HP06	1989 (J. Draeger & C. Anderson, Urban Conservation)	
P-19-180062		OHP Property Number - 030767; Resource Name - Easton House	Building	Historic	HP02	1979 (K. Miedema, Pasadena City College)	
P-19-180068		OHP Property Number - 030773; Resource Name - S Marengo Historic District	District	Historic	HP02	1981 (R. Sicha, Pasadena Heritage)	
P-19-180069		OHP Property Number - 030774; Resource Name - Don Carlos Court; Other - Bungalow Courts of Pasadena	Building	Historic	HP03	1983	LA-04359, LA- 08817, LA-09163, LA-10846
P-19-180070		OHP Property Number - 030775; Resource Name - Evanston Inn; Voided - 19-183246	Building	Historic	HP03	1981 (R. Sicha, Pasadena Heritage)	LA-04359, LA- 08817, LA-10846
P-19-180268		OHP Property Number - 030973; Resource Name - 206 W California Blvd	Building	Historic	HP03	2002 (P. Moruzzi, HRC)	LA-12511
P-19-180320		OHP Property Number - 031025; Resource Name - Markham Place Historic District	District	Historic	HP01	2013	
P-19-180321		OHP Property Number - 031026; Resource Name - Neighborhood House	Building	Historic	HP15; HP16	1989 (C. Anderson, Urban Conservation)	LA-12511

Resource List

Primary No.	Trinomial	Other IDs	Type	Age	Attribute codes	Recorded by	Reports
P-19-180326		OHP Property Number - 031031; Resource Name - Sequoyah School Complex; Other - Neighborhood Church Property	Building, Structure, District	Historic	HP15; HP16; HP29	1976 (L. Webb, California Department of Transportation); 2010 (Kelly Ewing-Toledo, Caltrans)	LA-11801
P-19-180411		OHP Property Number - 031117; Resource Name - Monticello Manor; Other - Monticello Apts	Building	Historic	HP03; HP04; HP29; HP30	1979 (L. Heumann, Cultural Heritage Program); 2002 (P. Moruzzi, HRC)	LA-08817, LA- 09163, LA-09681, LA-10846, LA- 11958, LA-12197, LA-12511, LA-12738
P-19-180412		OHP Property Number - 031118; Resource Name - Stoutenburgh House; Other - Aguilar House	Building	Historic	HP02	1980 (G. Carter, CKG Properties)	LA-10846
P-19-180417		OHP Property Number - 031123; Resource Name - Ernest W Smith House	Building	Historic	HP02; HP28	1979 (E. Pomeroy, Cultural Heritage Program); 1986 (A. Milkovich, Pasadena Heritage)	LA-08817, LA- 09163, LA-09681, LA-10846, LA- 11958, LA-12196, LA-12197
P-19-180418		OHP Property Number - 031124; Resource Name - Throop Memorial Universalist Church	Building	Historic	HP13; HP15; HP16	1979 (E. Pomeroy, Cultural Heritage Program)	LA-08817, LA- 09163, LA-09681, LA-10846, LA- 11958, LA-12196
P-19-180424		OHP Property Number - 031130; Resource Name - Benshoff House		Historic	HP03; HP29; HP30	1979 (G. Sullivan, Cultural Heritage Program)	LA-08817, LA- 09163, LA-09681, LA-10846, LA- 11958, LA-12196
P-19-180483		OHP Property Number - 031190; Resource Name - Las Flores Apts	Building	Historic	HP03; HP04; HP29; HP30	1979 (J Link, J Parkhurst, N Impastato, A Scheid, Cultural Heritage Program); 2002 (P Moruzzi, HRC)	LA-08817, LA- 09163, LA-09681, LA-10846, LA- 11958, LA-12196, LA-12197, LA-12738
P-19-180485		OHP Property Number - 031192; Resource Name - Pinney House	Building	Historic	HP02; HP30	1979 (A. Scheid, Cultural Heritage Program)	LA-08817, LA- 09163, LA-09681, LA-11958, LA- 12196, LA-12197, LA-12738
P-19-180486		OHP Property Number - 031193; Resource Name - The Masonic Temple	Building	Historic	HP13	1985 (M Long, L Melton, & D Hlava, Pasadena Heritage)	LA-10846

Resource List

Primary No.	Trinomial	Other IDs	Type	Age	Attribute codes	Recorded by	Reports
P-19-180489		OHP Property Number - 031196; Resource Name - Livingstone Hotel	Building	Historic	HP03; HP05	2002 (P Moruzzi, HRC)	LA-08817, LA-09163, LA-09681, LA-10846, LA-11958, LA-12196, LA-12197, LA-12738
P-19-180490		OHP Property Number - 031197; Resource Name - Stanley Apts	Building	Historic	HP03	2002 (P Moruzzi, HRC)	LA-08817, LA-09163, LA-09681, LA-10846, LA-11958, LA-12196, LA-12197, LA-12738
P-19-180495		Resource Name - 1920's Era Office and Apartment Bldgs	District	Historic	HP03; HP06	1979 (J. Link, Cultural Heritage Program)	
P-19-181857		Resource Name - 326-328 S Los Robles Ave; OHP Property Number - 032333	Building	Historic	HP02	1983 (Denver Miller, Urban Conservation)	
P-19-183398		OHP Property Number - 070849; Resource Name - Pasadena Winter Gardens; Other - P S Public Storage	Building	Historic	HP06	1986 (J. Draeger, Urban Conservation)	LA-08817, LA-10846, LA-12197, LA-12511, LA-12738
P-19-183399		OHP Property Number - 070850; Resource Name - Cornet Bldg, Arroyo Parkway Storage; Other - T-Mobile West LLC IE24799/Arroyo & Bellevue	Building	Historic	HP06; HP07	1989 (J. Draeger & C. Anderson, Urban Conservation); 2012 (K.A. Crawford, Crawford Historic Services)	LA-11958, LA-13047
P-19-183400		OHP Property Number - 070854; Resource Name - Pacific Electric Railroad Garage; Other - Discount Tires	Building	Historic	HP08	1986 (J. Draeger, Urban Conservation)	
P-19-183401		OHP Property Number - 070856; Resource Name - Market Basket Warehouse Offices	Building	Historic	HP06	1989 (C. Anderson, Urban Conservation)	
P-19-183402		OHP Property Number - 070858; Resource Name - Lewis Iron Bldg	Building	Historic	HP06	1989 (J. Draeger & C. Anderson, Urban Conservation)	
P-19-183403		OHP Property Number - 070860; Resource Name - Bryan's Cleaners	Building	Historic	HP06	1986 (J. Draeger, Urban Conservation)	
P-19-183407		OHP Property Number - 070867; Resource Name - Pasadena Humane Society	Building	Historic	HP06	1989 (C. Anderson, Urban Conservation)	LA-08817, LA-09163, LA-10846, LA-11958, LA-12511

Resource List

Primary No.	Trinomial	Other IDs	Type	Age	Attribute codes	Recorded by	Reports
P-19-183408		OHP Property Number - 070869; Resource Name - Royal Laundry/Milus Textile Service	Building	Historic		1991; 2000; 2007; 2007	
P-19-183410		OHP Property Number - 070873; Resource Name - Union Garage Co	Building, Element of district	Historic	HP06	1989 (J. Draeger & C. Anderson, Urban Conservation)	
P-19-183411		OHP Property Number - 070875; Resource Name - 330 S Fair Oaks Ave	Building	Historic	HP06	1989 (J. Draeger & C. Anderson, Urban Conservation)	
P-19-183412		OHP Property Number - 070877; Resource Name - Vitalait Laboratories	Building	Historic	HP06	1989 (J. Drager & C. Anderson, Urban Conservation)	
P-19-183413		OHP Property Number - 070879; Resource Name - 445 S Fair Oaks Ave	Building	Historic	HP06	1989 (J. Draeger & C. Anderson, Urban Conservation)	
P-19-183414		OHP Property Number - 070881; Resource Name - Pasadena Transfer & Storage; Other - Pasadena Antique Center	Building	Historic	HP06	1989 (J. Draeger & C. Anderson, Urban Conservation)	
P-19-183415		OHP Property Number - 070883; Resource Name - 488-490 S Fair Oaks Ave	Building	Historic	HP06	1989 (J. Draeger & C. Anderson, Urban Conservation)	
P-19-183416		OHP Property Number - 070885; Resource Name - Pasadena Awning & Linoleum	Building	Historic	HP06	1989 (J. Draeger & C. Anderson, Urban Conservation)	
P-19-183417		OHP Property Number - 070887; Resource Name - Pasadena Biscuit Co; Resource Name - Bekins Moving & Storage; OTIS Resource Number - Standard Fireproof Storage Co. Roof Sign	Building	Historic	HP07	1989 (J. Drager & C. Anderson, Urban Conservation); 1996 (Brian Goeken, City of Pasadena)	
P-19-183418		OHP Property Number - 070889; Resource Name - Nishi Auto Parts	Building	Historic	HP06	1989 (J. Drager & C. Anderson, Urban Conservation)	

Resource List

Primary No.	Trinomial	Other IDs	Type	Age	Attribute codes	Recorded by	Reports
P-19-183419		OHP Property Number - 070891; Resource Name - Sugano Grocery Store; Other - Man Le Rattan Furniture and Gifts	Building	Historic	HP06	1989 (J. Draeger & C. Anderson, Urban Conservation)	
P-19-183421		OHP Property Number - 070895; Resource Name - 542-544 S Fair Oaks Ave	Building	Historic	HP02	1989 (J. Draeger & C. Anderson, Urban Conservation)	
P-19-183423		OHP Property Number - 070899; Resource Name - Sanders House of Lights	Building	Historic	HP06	1989 (J. Drager & C. Anderson, Urban Conservation)	
P-19-183424		OHP Property Number - 070901; Resource Name - 1 W California Blvd	Building	Historic	HP06	1989 (C. Anderson, Urban Conservation)	
P-19-183429		Resource Name - Stalhuth House; OHP Property Number - 070909	Building	Historic	HP02	1989 (Carson Anderson, Urban Conservation)	
P-19-183430		Resource Name - 162 W Bellevue Dr; OHP Property Number - 070911	Building	Historic	HP02	1989 (Carson Anderson, Urban Conservation)	
P-19-183600		OHP Property Number - 075183; Resource Name - Pasadena Civic Center District; Voided - 19-180481	District	Historic	HP12; HP13; HP14; HP15; HP16; HP31; HP34	1978 (Hays, Cathrine S., Pasadena Heritage); 1979 (Brown, David, Cultural Heritage Program)	LA-07459, LA- 08817, LA-09681
P-19-184704		OHP Property Number - 087730; Resource Name - Betz Mfg; Other - Belco Engineering Inc	Building	Historic	HP06	1990 (D. Richey, Urban Conservation)	
P-19-184705		OHP Property Number - 087731; Resource Name - Pasadena Ice Co; Other - Los Angeles Cold Storage Co	Building	Historic	HP06	1990 (D. Richey, Urban Conservation)	
P-19-184718		OHP Property Number - 087748; Resource Name - Sanitary Family Laundry; Other - Mission Uniform & Linen Service	Building	Historic	HP06	1990 (D. Richey, Urban Conservation)	
P-19-184722		OHP Property Number - 087752; Resource Name - Precision Components	Building	Historic	HP06	1990 (D. Richey, Urban Conservation)	

Resource List

Primary No.	Trinomial	Other IDs	Type	Age	Attribute codes	Recorded by	Reports
P-19-184771		OHP Property Number - 091838; Resource Name - Old Pasadena Historic District; Voided - 19-180690	District	Historic	HP02; HP03; HP05; HP06; HP07; HP09; HP10; HP13; HP16; HP32	1983 (Pasadena Heritage)	LA-07459, LA- 08817, LA-09681, LA-10590, LA- 10846, LA-12511
P-19-184963		OHP Property Number - 097179; Resource Name - Miss Orton's Classical School for Girls; Other - Lutheran Home	Building, District	Historic	HP15	1993 (M Gerber & J Harlan, Univeristy of Riverside & Pasadena Heritage)	
P-19-184977		OHP Property Number - 098228; Resource Name - Bekins Storage Co Roof Sign	Building	Historic	HP06	2004 (J. Michalsky)	LA-12511
P-19-184979		OHP Property Number - 098544; Resource Name - Pasadena Ave District	District	Historic	HP02	1983 (S. Mikesell); 1994 (Diane Kane, Caltrans)	LA-03440, LA-10713
P-19-187273		OHP Property Number - 123192; Resource Name - T C Lynch House	Building	Historic	HP02	1983 (D. Miller, Urban Conservation)	
P-19-188016		OHP Property Number - 138513; Resource Name - Mira Flora Apts	Building	Historic	HP03	2011 (J. Cronin, City of Pasadena)	LA-08817, LA- 09163, LA-10846, LA-11958, LA- 12197, LA-12511, LA-12738
P-19-190310		OHP Property Number - 126809; Resource Name - 331-33 Pleasant St	Building	Historic	HP02	1983 (Denver Miller, Urban Conservation)	
P-19-190680		Resource Name - Bungalow Courts of Pasadena	District	Historic	HP03	1981 (Richard J. Sicha, Pasadena Heritage)	



NATIVE AMERICAN HERITAGE COMMISSION

July 15, 2020

Charles Cisneros
Psomas

Via Email to: Charles.cisneros@psomas.com

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Pomo**NAHC HEADQUARTERS**
1550 Harbor Boulevard
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West Sacramento,
California 95691
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nahc@nahc.ca.gov
NAHC.ca.gov

Re: Native American Tribal Consultation, Pursuant to the Assembly Bill 52 (AB 52), Amendments to the California Environmental Quality Act (CEQA) (Chapter 532, Statutes of 2014), Public Resources Code Sections 5097.94 (m), 21073, 21074, 21080.3.1, 21080.3.2, 21082.3, 21083.09, 21084.2 and 21084.3, 3ARD012200, 3PAS012100, and 3SPA010100 Projects, Los Angeles County

Dear Mr. Cisneros:

Pursuant to Public Resources Code section 21080.3.1 (c), attached is a consultation list of tribes that are traditionally and culturally affiliated with the geographic area of the above-listed project. Please note that the intent of the AB 52 amendments to CEQA is to avoid and/or mitigate impacts to tribal cultural resources, (Pub. Resources Code §21084.3 (a)) ("Public agencies shall, when feasible, avoid damaging effects to any tribal cultural resource.")

Public Resources Code sections 21080.3.1 and 21084.3(c) require CEQA lead agencies to consult with California Native American tribes that have requested notice from such agencies of proposed projects in the geographic area that are traditionally and culturally affiliated with the tribes on projects for which a Notice of Preparation or Notice of Negative Declaration or Mitigated Negative Declaration has been filed on or after July 1, 2015. Specifically, Public Resources Code section 21080.3.1 (d) provides:

Within 14 days of determining that an application for a project is complete or a decision by a public agency to undertake a project, the lead agency shall provide formal notification to the designated contact of, or a tribal representative of, traditionally and culturally affiliated California Native American tribes that have requested notice, which shall be accomplished by means of at least one written notification that includes a brief description of the proposed project and its location, the lead agency contact information, and a notification that the California Native American tribe has 30 days to request consultation pursuant to this section.

The AB 52 amendments to CEQA law does not preclude initiating consultation with the tribes that are culturally and traditionally affiliated within your jurisdiction prior to receiving requests for notification of projects in the tribe's areas of traditional and cultural affiliation. The Native American Heritage Commission (NAHC) recommends, but does not require, early consultation as a best practice to ensure that lead agencies receive sufficient information about cultural resources in a project area to avoid damaging effects to tribal cultural resources.

The NAHC also recommends, but does not require that agencies should also include with their notification letters, information regarding any cultural resources assessment that has been completed on the area of potential effect (APE), such as:

1. The results of any record search that may have been conducted at an Information Center of the California Historical Resources Information System (CHRIS), including, but not limited to:

- A listing of any and all known cultural resources that have already been recorded on or adjacent to the APE, such as known archaeological sites;

- Copies of any and all cultural resource records and study reports that may have been provided by the Information Center as part of the records search response;
- Whether the records search indicates a low, moderate, or high probability that unrecorded cultural resources are located in the APE; and
- If a survey is recommended by the Information Center to determine whether previously unrecorded cultural resources are present.

2. The results of any archaeological inventory survey that was conducted, including:

- Any report that may contain site forms, site significance, and suggested mitigation measures.

All information regarding site locations, Native American human remains, and associated funerary objects should be in a separate confidential addendum, and not be made available for public disclosure in accordance with Government Code section 6254.10.

3. The result of any Sacred Lands File (SLF) check conducted through the Native American Heritage Commission was positive. Please contact the Gabrieleno Band of Mission Indians – Kizh Nation on the attached list for more information.

4. Any ethnographic studies conducted for any area including all or part of the APE; and

5. Any geotechnical reports regarding all or part of the APE.

Lead agencies should be aware that records maintained by the NAHC and CHRIS are not exhaustive and a negative response to these searches does not preclude the existence of a tribal cultural resource. A tribe may be the only source of information regarding the existence of a tribal cultural resource.

This information will aid tribes in determining whether to request formal consultation. In the event that they do, having the information beforehand will help to facilitate the consultation process.

If you receive notification of change of addresses and phone numbers from tribes, please notify the NAHC. With your assistance, we can assure that our consultation list remains current.

If you have any questions, please contact me at my email address: steven.quinn@nahc.ca.gov.

Sincerely,



Steven Quinn
Cultural Resources Analyst

Attachment

State of California -- The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
LOCATION MAP

Primary #
HRI #
Trinomial

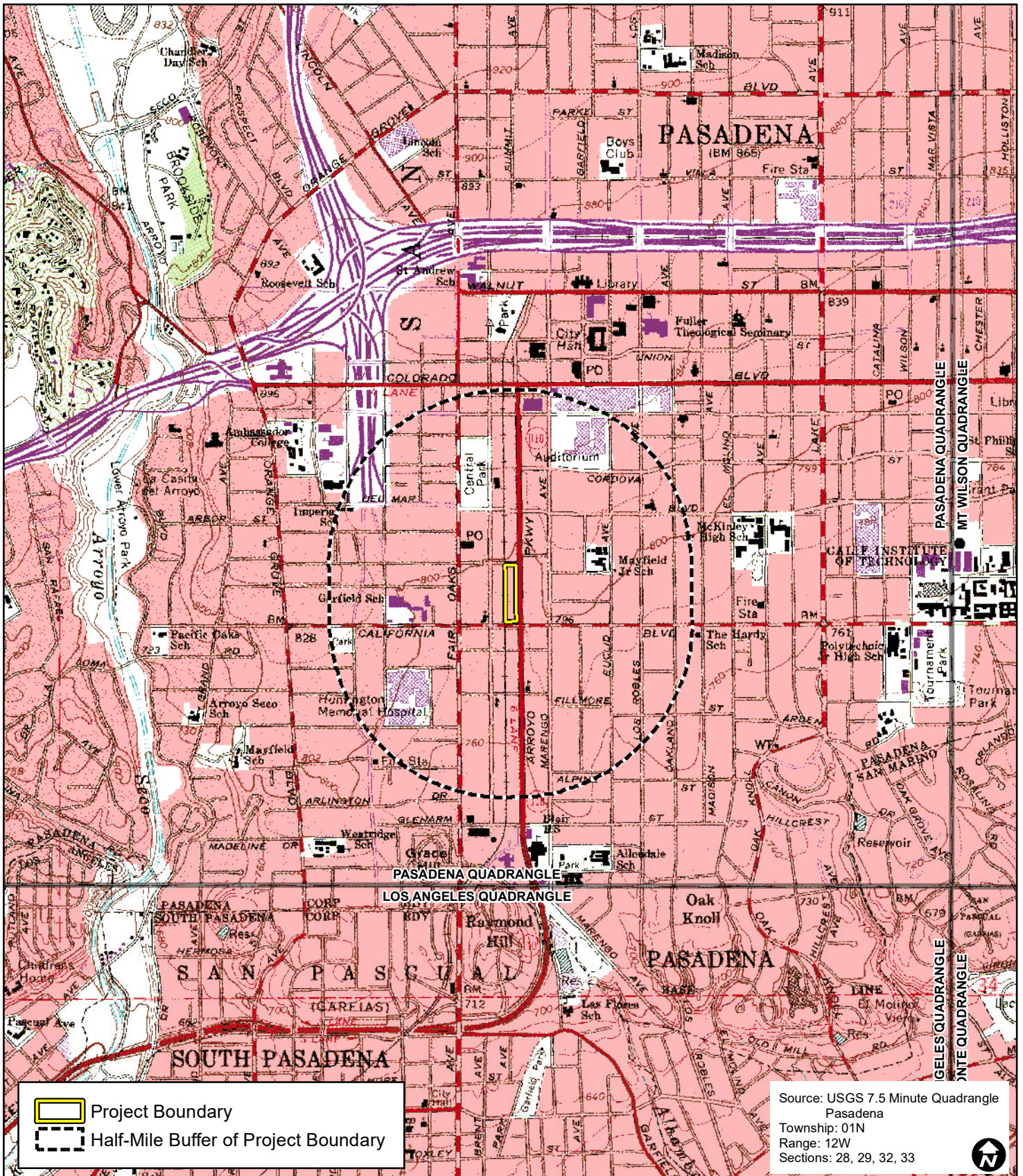
Page 1 of 1

*Map Name: Pasadena

*Scale: 1:24,000

*Resource Name or #:

*Date of Map: Digital 2014



**Native American Heritage Commission
Tribal Consultation List
Los Angeles County
7/15/2020**

***Gabrieleno Band of Mission
Indians - Kizh Nation***

Andrew Salas, Chairperson
P.O. Box 393
Covina, CA, 91723
Phone: (626) 926 - 4131
admin@gabrielenoindians.org

Gabrieleno

***Gabrieleno/Tongva San Gabriel
Band of Mission Indians***

Anthony Morales, Chairperson
P.O. Box 693
San Gabriel, CA, 91778
Phone: (626) 483 - 3564
Fax: (626) 286-1262
GTTribalcouncil@aol.com

Gabrieleno

Gabrielino /Tongva Nation

Sandonne Goad, Chairperson
106 1/2 Judge John Aiso St.,
#231
Los Angeles, CA, 90012
Phone: (951) 807 - 0479
sgoad@gabrielino-tongva.com

Gabrielino

***Gabrielino Tongva Indians of
California Tribal Council***

Robert Dorame, Chairperson
P.O. Box 490
Bellflower, CA, 90707
Phone: (562) 761 - 6417
Fax: (562) 761-6417
gtongva@gmail.com

Gabrielino

Gabrielino-Tongva Tribe

Charles Alvarez,
23454 Vanowen Street
West Hills, CA, 91307
Phone: (310) 403 - 6048
roadkingcharles@aol.com

Gabrielino

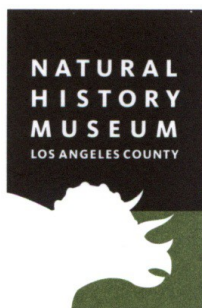
***Soboba Band of Luiseno
Indians***

Scott Cozart, Chairperson
P. O. Box 487
San Jacinto, CA, 92583
Phone: (951) 654 - 2765
Fax: (951) 654-4198
jontiveros@soboba-nsn.gov

Cahuilla
Luiseno

This list is current only as of the date of this document. Distribution of this list does not relieve any person of statutory responsibility as defined in Section 7050.5 of the Health and Safety Code, Section 5097.94 of the Public Resources Code and section 5097.98 of the Public Resources Code.

This list is only applicable for consultation with Native American tribes under Public Resources Code Sections 21080.3.1 for the proposed 3ARD012200, 3PAS012100, and 3SPA010100 Projects, Los Angeles County.



Natural History Museum
of Los Angeles County
900 Exposition Boulevard
Los Angeles, CA 90007

tel 213.763.DINO
www.nhm.org

Research & Collections

e-mail: paleorecords@nhm.org

December 25, 2020

PSOMAS

Attn: Charles Cisneros
re: Paleontological resources for the 3PAS012100 Project

Dear Charles:

I have conducted a thorough search of our paleontology collection records for the locality and specimen data for proposed development at the 3PAS012100 project area as outlined on the portion of the Pasadena USGS topographic quadrangle map that you sent to me via e-mail on December 16, 2020. We do not have any fossil localities that lie directly within the proposed project area, but we do have fossil localities nearby from the same sedimentary deposits that occur in the proposed project area, either at the surface or at depth.

The following table shows the closest known localities in the collection of the Natural History Museum of Los Angeles County.

Locality Number	Location	Formation	Taxa	Depth
LACM IP 24385	South Pasadena; on east side of Fair Oaks Ave just north of intersection of Pasadena Freeway and Fair Oaks Ave	Unknown formation (Pliocene)	Invertebrates	Unknown
LACM IP 23222	on Fair Oaks Ave; north of the intersection of Fair Oaks and the Arroyo Seco Freeway	Unknown formation (Pliocene)	Invertebrates	Surface, along bluff next to sidewalk
LACM VP 1023	Workman & Alhambra Sts, Lincoln Heights	Unknown Formation (Pleistocene)	Birds (Aves)	Unknown (excavations for storm drains)
LACM VP 2032	Los Angeles Brickyard Mission Rd. & Daly St.	Unknown Formation (Pleistocene, silt & clay)	Mastodon (<i>Mammut</i>)	20-35 ft bgs
LACM VP 3363	W of Monterey Pass Road in Coyote Pass; E of the Long Beach Freeway & S of the N boundary	Unknown Formation (Pleistocene; sand)	Horse (<i>Equus</i>)	unknown

VP, Vertebrate Paleontology; IP, Invertebrate Paleontology; bgs, below ground surface

This records search covers only the records of the Natural History Museum of Los Angeles County (“NHMLA”). It is not intended as a paleontological assessment of the project area for the purposes of CEQA or NEPA. Potentially fossil-bearing units are present in the project area, either at the surface or in the subsurface. As such, NHMLA recommends that a full paleontological assessment of the project area be conducted by a paleontologist meeting Bureau of Land Management or Society of Vertebrate Paleontology standards.

Sincerely,

A handwritten signature in black ink that reads "Alyssa Bell". The signature is written in a cursive, flowing style. The letters are connected, and the overall appearance is that of a personal or professional signature.

Alyssa Bell, Ph.D.
Natural History Museum of Los Angeles County

enclosure: invoice

Energy Use Summary

Construction Phase (gallons/construction period)	Gasoline	Diesel		
Construction Vehicles	59,671	71,430		
Worker Trips	57,735	274		
Vendor Trips	1,253	21		
Haul Trucks	22	18,937		
Total	118,682	90,662		
Operations Phase (gallons/year)	Gasoline	Diesel	Natural Gas (kBTU/yr)	Electricity (kWh/yr)
Apartments Mid Rise	10,442	216	952,480	419,906
Congregate Care (Assisted Living)	14,755	305	952,476	419,904
Enclosed Parking with Elevator	0	0	0	2,257,940
High Turnover (Sit Down Restaurant)	40,932	700	2,081,700	513,630
Medical Office Building	145,501	3,006	1,556,810	2,067,190
0	0	0	0	0
All Land Uses	211,629	4,226	5,543,466	5,678,570

Operations Onroad Energy Use

Year 2026

Vehicle Types	MPG by Fuel Type			Population by Fuel Type			
	GAS	DSL	ELEC	GAS	DSL	ELEC	Total
LDA	34.4	53.9		6,890,013	71,374	232,749	6,961,387
LDT1	29.3	24.3		620,893	277	13,403	621,171
LDT2	28.2	39.6		2,406,087	19,279	50,413	2,425,365
LHDT1	11.1	22.9		173,057	143,072		316,129
LHDT2	9.6	20.7		30,381	57,538		87,918
MCY	36.2			330,653			330,653
MDV	22.8	30.5		1,623,219	43,701	32,680	1,666,920
MH	5.5	11.1		33,697	14,107		47,804
MHDT	5.4	11.7		26,201	137,838		164,039
HHDT	4.6	7.5		74	116,234		116,307
OBUS	5.4	9.2		5,959	4,901		10,860
SBUS	9.5	8.0		3,247	6,784		10,032
UBUS	5.5	5.7		975	6	16	981

Trips/Day	Trips/day	Trips/day	Trips/day	Total	VMT/day	VMT/day	VMT/day	Trip Length
Land Use	Weekday	Saturday	Sunday	Weekly	Weekday	Saturday	Sunday	
Apartments Mid Rise	281.20	253.65	211.85	1871.5	967	873	729	3.44
Congregate Care (Assisted Living)	360	406	437	2644.5	1,240	1,398	1,503	3.44
Enclosed Parking with Elevator								
High Turnover (Sit Down Restaurant)	996	1,087	1,267	7336.05	3,428	3,740	4,358	3.44
Medical Office Building	4,729	1,164	193	25004.09	16,269	4,005	665	3.44
Total	6,367	2,911	2,109					

Fleet Mix	LDA	LDT1	LDT2	MDV	LHDT1	LHDT2	MHDT	HHDT	OBUS	UBUS	MCY	SBUS	MH	Total
Land Use														
Apartments Mid Rise	0.733946	0.080432	0.080432	0.070378	0.000905	0.000905	0.000905	0.000905	0.000938	0.000594	0.025612	0.000712	0.003336	100.0%
Congregate Care (Assisted Living)	0.733946	0.080432	0.080432	0.070378	0.000905	0.000905	0.000905	0.000905	0.000938	0.000594	0.025612	0.000712	0.003336	100.0%
Enclosed Parking with Elevator	0.733946	0.080432	0.080432	0.070378	0.000905	0.000905	0.000905	0.000905	0.000938	0.000594	0.025612	0.000712	0.003336	100.0%
High Turnover (Sit Down Restaurant)	0.733946	0.080432	0.080432	0.070378	0.000905	0.000905	0.000905	0.000905	0.000938	0.000594	0.025612	0.000712	0.003336	100.0%
Medical Office Building	0.733946	0.080432	0.080432	0.070378	0.000905	0.000905	0.000905	0.000905	0.000938	0.000594	0.025612	0.000712	0.003336	100.0%

Vehicle Trips	LDA	LDT1	LDT2	MDV	LHDT1	LHDT2	MHDT	HHDT	Obus	Ubus	MCY	Sbus	MH	Total	Daily VMT
Weekday Trips															
Apartments Mid Rise	206	23	23	20	0	0	0	0	0	0	7	0	1	281	967.33
Congregate Care (Assisted Living)	264	29	29	25	0	0	0	0	0	0	9	0	1	360	1,239.57
Enclosed Parking with Elevator	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-
High Turnover (Sit Down Restaurant)	731	80	80	70	1	1	1	1	1	1	26	1	3	996	3,427.58
Medical Office Building	3471	380	380	333	4	4	4	4	4	3	121	3	16	4,729	16,268.86
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-
Total	4673	512	512	448	6	6	6	6	6	4	163	5	21	6,367	

Saturday Trips	LDA	LDT1	LDT2	MDV	LHDT1	LHDT2	MHDT	HHDT	Obus	Ubus	MCY	Sbus	MH	Total	Daily VMT
Weekday Trips															
Apartments Mid Rise	186	20	20	18	0	0	0	0	0	0	6	0	1	254	872.56
Congregate Care (Assisted Living)	298	33	33	29	0	0	0	0	0	0	10	0	1	406	1,396.36
Enclosed Parking with Elevator	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-
High Turnover (Sit Down Restaurant)	798	87	87	77	1	1	1	1	1	1	28	1	4	1,087	3,739.86
Medical Office Building	854	94	94	82	1	1	1	1	1	1	30	1	4	1,164	4,004.88
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-
Total	2136	234	234	205	3	3	3	3	3	2	75	2	10	2,911	

Sunday Trips	LDA	LDT1	LDT2	MDV	LHDT1	LHDT2	MHDT	HHDT	Obus	Ubus	MCY	Sbus	MH	Total	Daily VMT
Weekday Trips															
Apartments Mid Rise	155	17	17	15	0	0	0	0	0	0	5	0	1	212	728.76
Congregate Care (Assisted Living)	321	35	35	31	0	0	0	0	0	0	11	0	1	437	1,502.87
Enclosed Parking with Elevator	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-
High Turnover (Sit Down Restaurant)	930	102	102	89	1	1	1	1	1	1	32	1	4	1,267	4,358.24
Medical Office Building	142	16	16	14	0	0	0	0	0	0	5	0	1	193	664.88
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-
Total	1548	170	170	148	2	2	2	2	2	1	54	2	7	2,109	

Gallons of Fuel

Gasoline	LDA	LDT1	LDT2	MDV	LHDT1	LHDT2	MHDT	HHDT	Obus	Ubus	MCY	Sbus	MH	Total
Weekday Trips														
Apartments Mid Rise	7,075	920	947	1,008	15	11	9	32	45	51	335	12	203	10,442
Congregate Care (Assisted Living)	9,997	1,300	1,339	1,424	21	15	13	0	45	51	335	12	203	14,755
Enclosed Parking with Elevator	0	0	0	0	0	0	0	0	0	0	0	0	0	0
High Turnover (Sit Down Restaurant)	27,733	3,606	3,714	3,950	59	43	35	0	126	141	930	32	564	40,932
Medical Office Building	96,682	12,820	13,201	14,043	209	152	125	1	447	500	3,305	113	2,004	145,501
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	143,386	18,646	19,200	20,425	303	220	182	1	651	728	4,807	165	2,915	211,629

Diesel	LDA	LDT1	LDT2	MDV	OBUS	LHDT2	MHDT	HHDT	Obus	Ubus	MCY	Sbus	MH	Total
Weekday Trips														
Apartments Mid Rise	47	5	5	20	6	10	22	40	15	0	0	20	30	216
Congregate Care (Assisted Living)	66	1	8	29	8	14	31	57	22	0	0	29	42	305
Enclosed Parking with Elevator	0	0	0	0	0	0	0	0	0	0	0	0	0	0
High Turnover (Sit Down Restaurant)	151	1	18	66	19	31	70	130	50	1	0	65	96	700
Medical Office Building	651	5	75	283	83	133	303	560	214	3	0	281	414	3,006
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	915	7	106	397	117	188	425	788	302	4	0	395	582	4,226

215,856 Total Gallons

31 Average MPC

Utilities

	NaturalGas Use	Electricity Use
Land Use	kBTU/yr	kWh/yr
Apartments Mid Rise	952,480	419,906
Congregate Care (Assisted Livin	952,476	419,904
Enclosed Parking with Elevator	0	2,257,940
High Turnover (Sit Down Restat	2,081,700	513,630
Medical Office Building	1,556,810	2,067,190
	0	
Total	5,543,466	5,678,570

Offroad Construction Equipment Energy Use

PhaseName	OffRoadEquipmentType	OffRoadEquipmentUnitA	UsageHours	HorsePower	Load Factor	Horsepower Category	Num Days	Year	Fuel Consumption Rate	Fuel Type	Total Fuel Consumption (gal/construction period)
		mount							(gal/hour)		
Demolition	Concrete/Industrial Saws	0	8	81	0.73	100	66	2023	4.7	Gasoline	0
Demolition	Excavators	1	12	158	0.38	175	66	2023	2.9	Diesel	868
Demolition	Off-Highway Trucks	1	12	402	0.38	300	66	2023	4.1	Diesel	1,247
Demolition	Rubber Tired Dozers	0	8	247	0.4	300	66	2023	4.5	Diesel	0
Demolition	Tractors/Loaders/Backhoes	2	12	97	0.37	100	66	2023	1.6	Diesel	933
Site Preparation	Excavators	1	12	158	0.38	175	26	2023	2.9	Diesel	342
Site Preparation	Graders	0	8	187	0.41	175	26	2023	3.2	Diesel	0
Site Preparation	Off-Highway Trucks	1	12	402	0.38	300	26	2023	4.1	Diesel	491
Site Preparation	Rubber Tired Dozers	0	7	247	0.4	300	26	2023	4.5	Diesel	0
Site Preparation	Tractors/Loaders/Backhoes	2	12	97	0.37	100	26	2023	1.6	Diesel	368
Grading	Bore/Drill Rigs	2	12	221	0.5	100	108	2023	2.2	Diesel	2,825
Grading	Cranes	2	12	231	0.29	300	108	2023	3.3	Diesel	2,464
Grading	Excavators	1	12	158	0.38	175	108	2023	2.9	Diesel	1,421
Grading	Generator Sets	1	12	84	0.74	100	108	2023	5.2	Gasoline	4,982
Grading	Graders	0	8	187	0.41	175	108	2023	3.2	Diesel	0
Grading	Plate Compactors	1	12	8	0.43	25	108	2023	0.3	Gasoline	174
Grading	Rubber Tired Dozers	0	8	247	0.4	300	108	2023	4.5	Diesel	0
Grading	Tractors/Loaders/Backhoes	2	12	97	0.37	100	108	2023	1.6	Diesel	1,527
Building Construction	Air Compressors	2	12	78	0.48	100	640	2023	1.3	Diesel	9,763
Building Construction	Cranes	1	12	231	0.29	300	640	2023	3.3	Diesel	7,300
Building Construction	Excavators	1	12	158	0.38	175	640	2023	2.9	Diesel	8,422
Building Construction	Forklifts	0	6	89	0.2	100	640	2023	2.0	Diesel	0
Building Construction	Generator Sets	1	12	84	0.74	100	640	2023	5.2	Gasoline	29,522
Building Construction	Pumps	3	12	84	0.74	100	640	2023	1.3	Diesel	22,860
Building Construction	Skid Steer Loaders	2	12	65	0.37	50	640	2023	0.9	Diesel	5,264
Building Construction	Tractors/Loaders/Backhoes	1	12	97	0.37	100	640	2023	1.6	Diesel	4,525
Building Construction	Welders	3	12	46	0.45	50	640	2023	2.4	Gasoline	24,994
Architectural Coating	Air Compressors	2	12	78	0.48	100	53	2023	1.3	Diesel	808
									Total	Gasoline	59,671
									Total	Diesel	71,430

Onroad Construction Energy Use

Year 2023

Vehicle Types	MPG by Fuel Type			Population by Fuel Type			
	GAS	DSL	ELEC	GAS	DSL	ELEC	Total
LDA	31.7	50.0		6,635,002	62,493	150,700	6,697,495
LDT1	27.2	22.9		758,468	361	7,123	758,828
LDT2	25.5	36.7		2,285,150	15,595	28,810	2,300,745
LHDT1	10.7	21.9		174,910	125,545		300,455
LHDT2	9.3	19.8		30,103	50,003		80,106
MCY	36.4			305,045			305,045
MDV	20.7	28.1		1,589,863	36,128	16,377	1,625,991
MH	5.2	10.7		34,680	13,123		47,802
MHDT	5.1	11.2		25,624	122,124		147,749
HHDT	4.3	7.1		75	109,819		109,894
OBUS	5.1	8.7		5,955	4,287		10,242
SBUS	9.2	7.7		2,784	6,672		9,455
UBUS	5.1	5.9		958	13	16	971

Input							Gasoline Consumption			Diesel Consumption		
Phase Name	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker	Vendor	Haul	Worker	Vendor	Haul
Demolition	10	0	600	14.7	6.9	5						
Site Preparation	10	0	60	14.7	6.9	5						
Grading	23	0	26400	14.7	6.9	5						
Building Construction	150	6	0	14.7	6.9	5						
Architectural Coating	30	0	0	14.7	6.9	5						
Adjusted												
Demolition	660	0	600	14.7	6.9	5	377	0	0	2	0	420
Site Preparation	260	0	60	14.7	6.9	5	149	0	0	1	0	42
Grading	2484	0	26400	14.7	6.9	5	1,420	0	21	7	0	18,475
Building Construction	96000	3840	0	14.7	6.9	5	54,880	1,253	0	261	21	0
Architectural Coating	1590	0	0	14.7	6.9	5	909	0	0	4	0	0
							0	0	0	0	0	0
Total							57,735	1,253	22	274	21	18,937

Energy Use Summary

Construction Phase (gallons/construction period)	Gasoline	Diesel
Construction Vehicles	59,671	71,430
Worker Trips	57,016	271
Vendor Trips	1,253	21
Haul Trucks	17	14,969
Total	117,958	86,691

Operations Phase (gallons/year)	Gasoline	Diesel	Natural Gas (kBTU/yr)	Electricity (kWh/yr)
Apartments Mid Rise	8,766	181	952,487	419,904
Condo/Townhouse High Rise	27,288	564	2,078,920	1,068,120
Congregate Care (Assisted Living)	12,653	261	952,476	419,904
Enclosed Parking with Elevator	0	0	0	2,257,940
High Turnover (Sit Down Restaurant)	29,039	600	513,600	1,351,860
0	0	0	0	0
All Land Uses	77,747	1,606	4,497,483	5,517,728

Operations Onroad Energy Use

Year 2026

Vehicle Types	MPG by Fuel Type			Population by Fuel Type			
	GAS	DSL	ELEC	GAS	DSL	ELEC	Total
LDA	34.4	53.9		6,890,013	71,374	232,749	6,961,387
LDT1	29.3	24.3		620,893	277	13,403	621,171
LDT2	28.2	39.6		2,406,087	19,279	50,413	2,425,365
LHDT1	11.1	22.9		173,057	143,072		316,129
LHDT2	9.6	20.7		30,381	57,538		87,918
MCY	36.2			330,653			330,653
MDV	22.8	30.5		1,623,219	43,701	32,680	1,666,920
MH	5.5	11.1		33,697	14,107		47,804
MHDT	5.4	11.7		26,201	137,838		164,039
HHDT	4.6	7.5		74	116,234		116,307
OBUS	5.4	9.2		5,959	4,901		10,860
SBUS	9.5	8.0		3,247	6,784		10,032
UBUS	5.5	5.7		975	6	16	981

Trips/Day	Trips/day	Trips/day	Trips/day	Total	VMT/day	VMT/day	VMT/day	Trip Length
Land Use	Weekday	Saturday	Sunday	Weekly	Weekday	Saturday	Sunday	
Apartments Mid Rise	275.28	248.31	207.39	1832.1	612	233	612	2.95
Condo/Townhouse High Rise	857	774	644	5703.15	2,528	2,284	1,900	2.95
Congregate Care (Assisted Living)	360	406	437	2644.5	1,063	1,197	1,289	2.95
Enclosed Parking with Elevator								
High Turnover (Sit Down Restaurant)	996	1,087	1,267	7336.05	2,939	3,207	3,737	2.95
Total	2,489	2,516	2,555					

Fleet Mix	LDA	LDT1	LDT2	MDV	LHDT1	LHDT2	MHDT	HHDT	OBUS	UBUS	MCY	SBUS	MH	Total
Land Use														
Apartments Mid Rise	0.733946	0.080432	0.080432	0.070378	0.000905	0.000905	0.000905	0.000905	0.000938	0.000594	0.025612	0.000712	0.003336	100.0%
Condo/Townhouse High Rise	0.733946	0.080432	0.080432	0.070378	0.000905	0.000905	0.000905	0.000905	0.000938	0.000594	0.025612	0.000712	0.003336	100.0%
Congregate Care (Assisted Living)	0.733946	0.080432	0.080432	0.070378	0.000905	0.000905	0.000905	0.000905	0.000938	0.000594	0.025612	0.000712	0.003336	100.0%
Enclosed Parking with Elevator	0.733946	0.080432	0.080432	0.070378	0.000905	0.000905	0.000905	0.000905	0.000938	0.000594	0.025612	0.000712	0.003336	100.0%
High Turnover (Sit Down Restaurant)	0.733946	0.080432	0.080432	0.070378	0.000905	0.000905	0.000905	0.000905	0.000938	0.000594	0.025612	0.000712	0.003336	0.0%

Vehicle Trips	LDA	LDT1	LDT2	MDV	LHDT1	LHDT2	MHDT	HHDT	Obus	Ubus	MCY	Sbus	MH	Total	Daily VMT
Weekday Trips															
Apartments Mid Rise	202	22	22	19	0	0	0	0	0	0	7	0	1	275	812.08
Condo/Townhouse High Rise	629	69	69	60	1	1	1	1	1	1	22	1	3	857	2,528.00
Congregate Care (Assisted Living)	264	29	29	25	0	0	0	0	0	0	9	0	1	360	1,063.00
Enclosed Parking with Elevator	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-
High Turnover (Sit Down Restaurant)	731	80	80	70	1	1	1	1	1	1	26	1	3	996	2,939.35
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-
Total	1827	200	200	175	2	2	2	2	2	1	64	2	8	2,489	

Saturday Trips	LDA	LDT1	LDT2	MDV	LHDT1	LHDT2	MHDT	HHDT	Obus	Ubus	MCY	Sbus	MH	Total	Daily VMT
Weekday Trips															
Apartments Mid Rise	182	20	20	17	0	0	0	0	0	0	6	0	1	248	732.51
Condo/Townhouse High Rise	568	62	62	54	1	1	1	1	1	1	20	1	3	774	2,283.92
Congregate Care (Assisted Living)	298	33	33	29	0	0	0	0	0	0	10	0	1	406	1,197.46
Enclosed Parking with Elevator	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-
High Turnover (Sit Down Restaurant)	798	87	87	77	1	1	1	1	1	1	28	1	4	1,087	3,207.15
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-
Total	1846	202	202	177	2	2	2	2	2	1	64	2	8	2,516	

Sunday Trips	LDA	LDT1	LDT2	MDV	LHDT1	LHDT2	MHDT	HHDT	Obus	Ubus	MCY	Sbus	MH	Total	Daily VMT
Weekday Trips															
Apartments Mid Rise	152	17	17	15	0	0	0	0	0	0	5	0	1	207	611.80
Condo/Townhouse High Rise	473	52	52	45	1	1	1	1	1	1	16	0	2	644	1,900.36
Congregate Care (Assisted Living)	321	35	35	31	0	0	0	0	0	0	11	0	1	437	1,288.80
Enclosed Parking with Elevator	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-
High Turnover (Sit Down Restaurant)	930	102	102	89	1	1	1	1	1	1	32	1	4	1,267	3,737.44
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-
Total	1876	206	206	180	2	2	2	2	2	2	65	2	9	2,555	

Gallons of Fuel

Gasoline	LDA	LDT1	LDT2	MDV	LHDT1	LHDT2	MHDT	HHDT	Obus	Ubus	MCY	Sbus	MH	Total
Weekday Trips														
Apartments Mid Rise	5,939	772	795	846	13	9	8	34	27	8	199	7	121	8,766
Condo/Townhouse High Rise	18,489	2,404	2,476	2,634	39	28	24	0	84	94	620	21	376	27,288
Congregate Care (Assisted Living)	8,573	1,115	1,148	1,221	18	13	11	0	39	43	287	10	174	12,653
Enclosed Parking with Elevator	0	0	0	0	0	0	0	0	0	0	0	0	0	0
High Turnover (Sit Down Restaurant)	19,675	2,559	2,635	2,803	42	30	25	0	89	100	660	23	400	29,039
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	52,676	6,850	7,054	7,503	111	81	67	0	239	267	1,766	61	1,071	77,747

Diesel	LDA	LDT1	LDT2	MDV	OBUS	LHDT2	MHDT	HHDT	Obus	Ubus	MCY	Sbus	MH	Total
Weekday Trips														
Apartments Mid Rise	39	0	5	17	5	8	18	34	13	0	0	17	25	181
Condo/Townhouse High Rise	122	1	14	53	16	25	57	105	40	1	0	53	78	564
Congregate Care (Assisted Living)	57	0	7	25	7	12	26	49	19	0	0	24	36	261
Enclosed Parking with Elevator	0	0	0	0	0	0	0	0	0	0	0	0	0	0
High Turnover (Sit Down Restaurant)	130	1	15	56	17	27	60	112	43	1	0	56	83	600
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	348	3	40	151	44	71	162	299	115	2	0	150	221	1,606

79,353 Total Gallons

34 Average MPG

Utilities

	NaturalGas Use	Electricity Use
Land Use	kBTU/yr	kWh/yr
Apartments Mid Rise	952,487	419,904
Condo/Townhouse High Rise	2,078,920	1,068,120
Congregate Care (Assisted Livin	952,476	419,904
Enclosed Parking with Elevator	0	2,257,940
High Turnover (Sit Down Restat	513,600	1,351,860
0		
Total	4,497,483	5,517,728

Offroad Construction Equipment Energy Use

PhaseName	OffRoadEquipmentType	OffRoadEquipmentUnitA	UsageHours	HorsePower	Load Factor	Horsepower Category	Num Days	Year	Fuel Consumption Rate	Fuel Type	Total Fuel Consumption
		mount							(gal/hour)		(gal/construction period)
Demolition	Concrete/Industrial Saws	0	8	81	0.73	100	66	2023	4.7	Gasoline	0
Demolition	Excavators	1	12	158	0.38	175	66	2023	2.9	Diesel	868
Demolition	Off-Highway Trucks	1	12	402	0.38	300	66	2023	4.1	Diesel	1,247
Demolition	Rubber Tired Dozers	0	8	247	0.4	300	66	2023	4.5	Diesel	0
Demolition	Tractors/Loaders/Backhoes	2	12	97	0.37	100	66	2023	1.6	Diesel	933
Site Preparation	Excavators	1	12	158	0.38	175	26	2023	2.9	Diesel	342
Site Preparation	Graders	0	8	187	0.41	175	26	2023	3.2	Diesel	0
Site Preparation	Off-Highway Trucks	1	12	402	0.38	300	26	2023	4.1	Diesel	491
Site Preparation	Rubber Tired Dozers	0	7	247	0.4	300	26	2023	4.5	Diesel	0
Site Preparation	Tractors/Loaders/Backhoes	2	12	97	0.37	100	26	2023	1.6	Diesel	368
Grading	Bore/Drill Rigs	2	12	221	0.5	100	108	2023	2.2	Diesel	2,825
Grading	Cranes	2	12	231	0.29	300	108	2023	3.3	Diesel	2,464
Grading	Excavators	1	12	158	0.38	175	108	2023	2.9	Diesel	1,421
Grading	Generator Sets	1	12	84	0.74	100	108	2023	5.2	Gasoline	4,982
Grading	Graders	0	8	187	0.41	175	108	2023	3.2	Diesel	0
Grading	Plate Compactors	1	12	8	0.43	25	108	2023	0.3	Gasoline	174
Grading	Rubber Tired Dozers	0	8	247	0.4	300	108	2023	4.5	Diesel	0
Grading	Tractors/Loaders/Backhoes	2	12	97	0.37	100	108	2023	1.6	Diesel	1,527
Building Construction	Air Compressors	2	12	78	0.48	100	640	2023	1.3	Diesel	9,763
Building Construction	Cranes	1	12	231	0.29	300	640	2023	3.3	Diesel	7,300
Building Construction	Excavators	1	12	158	0.38	175	640	2023	2.9	Diesel	8,422
Building Construction	Forklifts	0	6	89	0.2	100	640	2023	2.0	Diesel	0
Building Construction	Generator Sets	1	12	84	0.74	100	640	2023	5.2	Gasoline	29,522
Building Construction	Pumps	3	12	84	0.74	100	640	2023	1.3	Diesel	22,860
Building Construction	Skid Steer Loaders	2	12	65	0.37	50	640	2023	0.9	Diesel	5,264
Building Construction	Tractors/Loaders/Backhoes	1	12	97	0.37	100	640	2023	1.6	Diesel	4,525
Building Construction	Welders	3	12	46	0.45	50	640	2023	2.4	Gasoline	24,994
Architectural Coating	Air Compressors	2	12	78	0.48	100	53	2023	1.3	Diesel	808
									Total	Gasoline	59,671
									Total	Diesel	71,430

Onroad Construction Energy Use

Year 2023

Vehicle Types	MPG by Fuel Type			Population by Fuel Type			
	GAS	DSL	ELEC	GAS	DSL	ELEC	Total
LDA	31.7	50.0		6,635,002	62,493	150,700	6,697,495
LDT1	27.2	22.9		758,468	361	7,123	758,828
LDT2	25.5	36.7		2,285,150	15,595	28,810	2,300,745
LHDT1	10.7	21.9		174,910	125,545		300,455
LHDT2	9.3	19.8		30,103	50,003		80,106
MCY	36.4			305,045			305,045
MDV	20.7	28.1		1,589,863	36,128	16,377	1,625,991
MH	5.2	10.7		34,680	13,123		47,802
MHDT	5.1	11.2		25,624	122,124		147,749
HHDT	4.3	7.1		75	109,819		109,894
OBUS	5.1	8.7		5,955	4,287		10,242
SBUS	9.2	7.7		2,784	6,672		9,455
UBUS	5.1	5.9		958	13	16	971

Input							Gasoline Consumption			Diesel Consumption		
Phase Name	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker	Vendor	Haul	Worker	Vendor	Haul
Demolition	13	0	300	14.7	6.9	5						
Site Preparation	8	0	60	14.7	6.9	5						
Grading	10	0	21030	14.7	6.9	5						
Building Construction	150	6	0	14.7	6.9	5						
Architectural Coating	30	0	0	14.7	6.9	5						
Adjusted												
Demolition	858	0	300	14.7	6.9	5	490	0	0	2	0	210
Site Preparation	208	0	60	14.7	6.9	5	119	0	0	1	0	42
Grading	1080	0	21030	14.7	6.9	5	617	0	17	3	0	14,717
Building Construction	96000	3840	0	14.7	6.9	5	54,880	1,253	0	261	21	0
Architectural Coating	1590	0	0	14.7	6.9	5	909	0	0	4	0	0
							0	0	0	0	0	0
Total							57,016	1,253	17	271	21	14,969



PHASE I ENVIRONMENTAL SITE ASSESSMENT



Prepared for:

The Arroyo Parkway, LLC
716 Mission Street
South Pasadena, California 91030
Ellen Lee

Phase I Environmental Site Assessment

465, 491, 503, 525 and 577 South Arroyo Parkway
Pasadena, California 91105

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EMG Project Number: 136895.19R000-001.135
Date of Report: April 30, 2020

On Site Date:
February 28, 2019



engineering | environmental | capital planning | project management

Project Summary Table

Report Section	Acceptable	Routine Solution	Phase II	REC	Estimated Cost
Significant Data Gaps	Yes				
Current Use of Project	Yes				
Hazardous Materials	Yes				
Storage Tanks	Yes (1)			No	N/A
Waste Generation	No (2)	Yes		No	N/A
Surface Areas	Yes				
Adjoining Property Use	Yes				
Historical Review	Yes (3)			No	N/A
Project Regulatory Database Review	Yes (4)			Historical	N/A
Off-Site Regulatory Database Review	Yes				
Vapor Migration	Yes				
Asbestos	No (5)	Yes		No	\$499
Radon Gas	Yes				
Lead-Based Paint	Yes				
Lead in Drinking Water	Yes				
Moisture Conditions	No (6)	Yes		No	Refer to PCA

Conditions noted in the Project Summary Table are representative of the overall conditions of the property. The Project Summary Table should not be used as a stand alone document. REC - Recognized Environmental Condition, as defined by ASTM E1527-13.

Footnotes:

1. A "gasol" pump was identified in the southeastern corner of 511 South Arroyo Parkway based on Sanborn maps dated 1950 and 1970. "Gasol" is an abbreviated term for gasoline, which is used on Sanborn maps during this time period. A "gasol" pump generally consists of a fuel dispenser and most commonly a mechanical pump and nozzle. Based on the lack of information related to the historical presence of a "gasol" pump on-site, Ramboll US Corporation (Ramboll) conducted a Phase II Environmental Site Assessment to evaluate the subsurface conditions in the vicinity of the pump. On February 13, 2018, Spectrum Geophysics of Chatsworth conducted a geophysical survey to mark subsurface utility lines, subsurface structures, and underground obstructions in the area of concern. During the geophysical survey, two approximately 2-inch diameter metal conduits were observed extending above ground surface in the general vicinity of the former "gasol" pump. One conduit was located within an elevated concrete pad, extended approximately three inches above the ground surface and was backfilled with concrete. The second conduit extended approximately two inches above the ground surface and was open to an approximate depth of five feet below ground surface (bgs). A petroleum-like odor was noted on the measuring tape used to measure the total depth of the open conduit. Finally, a subsurface metallic anomaly, suggestive of piping, was detected approximately 0.5 foot bgs and extended laterally between the two aforementioned conduits. Two soil borings were also advanced to 20 feet bgs in the vicinity of the former pump. Soil samples were collected from borings at approximate depths of 5, 10, 15, and 20 feet and were field screened for organic vapors with a photoionization detector (PID).

The soil samples were also submitted to a laboratory for the analysis of volatile organic compounds (VOCs), oxygenates and methyl tert butyl ether (MTBE), total petroleum hydrocarbons (TPH)-gasoline range organics (GRO), TPH-diesel range organics (DRO), TPH-oil range organics (ORO), and lead. Groundwater samples were not collected due to the typical depth to groundwater in the area (more than 140 feet bgs). No VOC, MTBE or TPH were detected in soil samples. Lead was detected at concentrations ranging from 3.8 mg/kg to 10 mg/kg; however, all concentrations were below the USEPA regional screening levels for residential and commercial/industrial use, and within typical background levels for California. Based on this information, the former "gasol" pump represents a de minimis condition associated with the Project. No further action or investigation is recommended.

2. One cooking grease bin and an in-ground grease trap which are not currently in use were identified at the vacant former Margarita Jones restaurant (541 South Arroyo Parkway) and an additional in-ground grease trap which is not currently in use was identified at the vacant former Dona Rosa Bakery and Taqueria (577 South Arroyo Parkway) located on the southwest portion of the Project. In addition, a 55-gallon drum was observed on the southwest portion of the Project. According to labeling on the drum, the contents are "Non-hazardous" and consist of soil cuttings that were generated during the completion of a subsurface investigation at the Project in 2018. No evidence of releases from the grease bin, traps or drum, such as staining or dead vegetation, was observed. The cooking grease in the bin and any remaining cooking grease located in the grease traps, as well as the contents of the soil cutting drum, should be disposed by a licensed contractor in accordance with applicable regulations.
3. The review of the historical data available for the Project identified that a bus facility (and later a distributing company, auto repair facility, tire center and auto detailing shop) with an associated fueling station was located on the northern portion of the Project, in the area of the current Whole Foods store, from approximately the 1930s through 2007. Sanborn Maps from 1950 through 1970 depicted "gas and oil tanks" in the southern portion of the Whole Foods site. Furthermore, a UST was formerly associated with 455 South Arroyo Parkway, in the area of the current Whole Foods store. No details regarding the size or contents of the UST were provided. Additionally, Absolute Automotive at 451 South Arroyo Parkway was also listed on the historical auto station database which may have also been associated with this address/business. No records regarding the installation or removal of USTs were found during this assessment. Based on the fact that a three-story underground parking garage was constructed at the Whole Foods building, it appears likely that any onsite USTs or potentially contaminated soils associated with USTs would have been excavated and removed during the construction of the parking garage. Based on the excavation of onsite soils during the redevelopment in 2008 and anticipated depth to groundwater, the former bus fueling facility and historical USTs do not appear to represent a recognized environmental condition. No further action or investigation is recommended at this time.
4. The review of the historical data available for the Project and the regulatory database report identified that a service station, the former ARCO station located at 125 East California Boulevard, was located at the Project from approximately the 1930s to 2002 and utilized at least three USTs. This facility was located on the southern portion of the Project, the site of the current vacant restaurant at 577 South Arroyo Parkway. An unauthorized gasoline release impacting groundwater was first reported in 1988 and soil vapor extraction operations were initiated. In 1998, three USTs were removed from the site and various soil and groundwater investigations were subsequently conducted. The Project received a "no further action" letter from the Pasadena Fire Department dated May 24, 2000; however, the site also received an additional clarification letter regarding the "no further action" letter stating that while the site has complied with the regulatory requirements for the site investigation/remediation, contamination remained at the Project below regulatory action levels. A Declaration of Environmental Restriction allowing access for remediation was recorded on August 21, 2002 that was to terminate 90 days after No Further Action was received. Quarterly monitoring was completed and 761 cubic yards of soil was removed. The LARWQCB granted case closure on December 3, 2004 with no property use restrictions, activity and use limitations, institutional controls, or engineering controls. The monitoring wells were abandoned in 2005. Based on the "no further action" status, the historical use of the Project as a service station represents a historical recognized environmental condition. No further action or investigation is recommended at this time.

5. Based on the date of construction (1921, 1925, 1951, 2003 and 2008), there is a potential that asbestos containing materials (ACM) exist at the Project. The suspect asbestos containing roofing materials, ceiling tile, wallboard/joint compound, vinyl floor tile, vinyl sheet flooring and various mastics were observed in generally good condition with the exception of some limited areas of damage noted in the 499/511 Building and the 577 Building. These materials can be maintained in place if an Operations and Maintenance (O&M) Program is developed and implemented. A properly designed O&M Program is sufficient to maintain the materials in accordance with current regulatory standards.
6. Moisture conditions (including standing water on the floors) were observed on the ceiling, wall and floor areas at the 499/511 Building (currently a vacant building). The areas affected by the moisture were approximately 320 square feet in size. In addition, moisture conditions were observed on the second floor ceiling tiles at the 577 Building (former Dona Rosa Bakery and Taqueria). The areas affected by the moisture were approximately 20 square feet in size. Refer to the EMG Property Condition Assessment (PCA) report (EMG Project Number 136895.19R000-001.264) for further discussion.

TABLE OF CONTENTS

1.0 Executive Summary	1
1.1 Findings, Opinions, & Conclusions	5
1.2 Recommendations	8
1.3 Certification	8
1.4 Reliance	8
2.0 Scope of Work	10
2.1 Purpose	10
2.2 Scope of Work	10
2.3 ASTM E1527 Non-Scope Considerations	10
3.0 User Provided Information	12
3.1 User Questionnaire	12
3.2 Environmental Lien/AUL Search	12
4.0 Physical Setting	13
4.1 Topography	13
4.2 Geology	13
4.3 Hydrogeology	14
4.4 Soils	14
5.0 Site Reconnaissance	15
5.1 Units	15
5.2 Project Use	18
5.3 Hazardous Materials and Petroleum Products	19
5.4 Waste Generation, Storage, and Disposal	24
5.5 Surface Areas	29
5.6 Utilities, Heating, and Cooling	33
5.7 Adjoining Property Use	34
5.8 Interviews	37
5.8.1 Key Site Manager	37
5.8.2 Current Occupants	37
5.8.3 Current Owner	37
5.8.4 Past Owners and Occupants	37
5.8.5 Nearby Owners and Occupants	37

6.0 Historical Use Information	38
6.1 Project Historical Use	38
6.2 Off-Site Historical Use	41
6.3 Historical Environmental Documentation	42
7.0 Environmental Records Review	45
7.1 Regulatory Database Review	45
7.1.1 Project Regulatory Database Review	46
7.1.2 Off-Site Regulatory Database Review	49
7.1.3 Vapor Migration	53
7.2 Local Agency Records	54
8.0 ASTM E1527 Non-Scope Considerations	56
8.1 Asbestos	56
8.2 Radon Gas	57
8.3 Lead-Based Paint	57
8.4 Lead in Drinking Water	57
8.5 Moisture Conditions	57
8.6 Wetlands	59
8.7 Flood Zone	60
9.0 Limitations, Key Terms, and References	61
9.1 Limitations	61
9.2 References	61
9.3 Key Terms	62

TABLE OF APPENDICES

Appendix A: Photographs

Appendix B: Field Sketch

Appendix C: Maps and Aerial Photographs

- Tax Map
- Aerial Photographs
- Fire Insurance Maps
- Topographic Maps

Appendix D: Questionnaires

Appendix E: Laboratory Analytical Results

Appendix F: Supporting Documentation

- Assessor Records
- Local Agency Records
- Project Regulatory Records
- Off-Site Regulatory Records
- City Directories

Appendix G: Historical Environmental Documents

Appendix H: Regulatory Database Report and Physical Setting Report (PSR)

Appendix I: Key Personnel Resumes

1.0 Executive Summary

EMG performed a Phase I Environmental Site Assessment of the property summarized below on February 28, 2019.

Project Description	
Project Name:	465, 491, 503, 525 and 577 South Arroyo Parkway (the "Project")
Project Address:	465, 491, 503, 525 and 577 South Arroyo Parkway, Pasadena, Los Angeles County, California 91105
Additional Current/Historical Addresses:	441-577 South Arroyo Parkway; 112-118 East Bellevue Drive; 101-125 East California Boulevard
Assessor Parcel Number(s):	5722-008-002, 5722-008-012, 5722-008-016, 5722-008-017, 5722-008-019
Site Visit Date:	February 28, 2019
Property Type:	Retail
Land Area (acres)/Source:	3.3 from assessing records
Number of Units:	8 units
Number of Buildings:	8
Year Constructed:	1921 (499/501/511), 1925 (485-497), 1951 (523/541), 2003 (577), and 2008 (441-483)
Basement:	Yes (499 Building and Subterranean Parking Garage in 441-483 Building)
Building Area (SF)/Source:	147,725 from client provided information (rent roll)
Domestic Sewage:	Public utility - City of Pasadena



East elevation of Project



East elevation of Project



East-southeast elevation of Project



Northeast elevation of 441-483 Building (Whole Foods)



Northwest elevation of 441-483 Building (Whole Foods)



East elevation of 441-483 Building (Whole Foods)



South elevation of 441-483 Building (Whole Foods)



Northeast elevation of 485-497 Building (K9 Loft)



East elevation of 485-497 Building (K9 Loft)



Northwest elevation and associated parking area of 485-497 Building (K9 Loft)



East elevation of 499/511 Building



South elevation of 499/511 Building



Southeast elevation of 499/511 Building



East elevation of 501 Building



Southeast elevation of 501 Building



North elevation of 523 Building



East elevation of 523 Building



West elevation of 523 Building



East-southeast elevation of 541 Building



South elevation of 541 Building



West elevation of 541 Building



North elevation of 577 Building



Southeast elevation of 577 Building



South elevation of 577 Building

1.1 Findings, Opinions, & Conclusions

EMG performed a *Phase I Environmental Site Assessment* using methods and procedures consistent with good commercial and customary practice in conformance with ASTM E1527-13 of 465, 491, 503, 525 and 577 South Arroyo Parkway, Pasadena, Los Angeles County, California 91105. Any exceptions to, or deletions from, this practice are described in Section 2 of this report.

This assessment has revealed no evidence of recognized environmental conditions (RECs), historical recognized environmental conditions (HRECs), controlled recognized environmental conditions (CRECs), significant data gaps, or significant business environmental risks in connection with the Project, except as discussed below.

Storage Tanks

De Minimis Condition: Historic "Gasol pump" identified

A "gasol" pump was identified in the southeastern corner of 511 South Arroyo Parkway based on Sanborn maps dated 1950 and 1970. "Gasol" is an abbreviated term for gasoline, which is used on Sanborn maps during this time period. A "gasol" pump generally consists of a fuel dispenser and most commonly a mechanical pump and nozzle. Based on the lack of information related to the

historical presence of a "gasol" pump on-site, Ramboll US Corporation (Ramboll) conducted a Phase II Environmental Site Assessment to evaluate the subsurface conditions in the vicinity of the pump. On February 13, 2018, Spectrum Geophysics of Chatsworth conducted a geophysical survey to mark subsurface utility lines, subsurface structures, and underground obstructions in the area of concern. During the geophysical survey, two approximately 2-inch diameter metal conduits were observed extending above ground surface in the general vicinity of the former "gasol" pump. One conduit was located within an elevated concrete pad, extended approximately three inches above the ground surface and was backfilled with concrete. The second conduit extended approximately two inches above the ground surface and was open to an approximate depth of five feet below ground surface (bgs). A petroleum-like odor was noted on the measuring tape used to measure the total depth of the open conduit. Finally, a subsurface metallic anomaly, suggestive of piping, was detected approximately 0.5 foot bgs and extended laterally between the two aforementioned conduits. Two soil borings were also advanced to 20 feet bgs in the vicinity of the former pump. Soil samples were collected from borings at approximate depths of 5, 10, 15, and 20 feet and were field screened for organic vapors with a photoionization detector (PID). The soil samples were also submitted to a laboratory for the analysis of volatile organic compounds (VOCs), oxygenates and methyl tert butyl ether (MTBE), total petroleum hydrocarbons (TPH)-gasoline range organics (GRO), TPH-diesel range organics (DRO), TPH-oil range organics (ORO), and lead. Groundwater samples were not collected due to the typical depth to groundwater in the area (more than 140 feet bgs). No VOC, MTBE or TPH were detected in soil samples. Lead was detected at concentrations ranging from 3.8 mg/kg to 10 mg/kg; however, all concentrations were below the USEPA regional screening levels for residential and commercial/industrial use, and within typical background levels for California. Based on this information, the former "gasol" pump represents a de minimis condition associated with the Project.

No further action or investigation is recommended.

Waste Generation

Business Environmental Risk: Unused cooking grease bin, grease traps and soil cutting drum identified

One cooking grease bin and an in-ground grease trap which are not currently in use were identified at the vacant former Margarita Jones restaurant (541 South Arroyo Parkway) and an additional in-ground grease trap which is not currently in use was identified at the vacant former Dona Rosa Bakery and Taqueria (577 South Arroyo Parkway) located on the southwest portion of the Project. In addition, a 55-gallon drum was observed on the southwest portion of the Project. According to labeling on the drum, the contents are "Non-hazardous" and consist of soil cuttings that were generated during the completion of a subsurface investigation at the Project in 2018. No evidence of releases from the grease bin, traps or drum, such as staining or dead vegetation, was observed.

The cooking grease in the bin and any remaining cooking grease located in the grease traps, as well as the contents of the soil cutting drum, should be disposed by a licensed contractor in accordance with applicable regulations.

Historical Review

De Minimis Condition: Historical bus facility fueling station/USTs identified

The review of the historical data available for the Project identified that a bus facility (and later a distributing company, auto repair facility, tire center and auto detailing shop) with an associated fueling station was located on the northern portion of the Project, in the area of the current Whole Foods store, from approximately the 1930s through 2007. Sanborn Maps from 1950 through 1970 depicted "gas and oil tanks" in the southern portion of the Whole Foods site.

Furthermore, a UST was formerly associated with 455 South Arroyo Parkway, in the area of the current Whole Foods store. No details regarding the size or contents of the UST were provided. Additionally, Absolute Automotive at 451 South Arroyo Parkway was also listed on the historical auto station database which may have also been associated with this address/business.

No records regarding the installation or removal of USTs were found during this assessment. Based on the fact that a three-story underground parking garage was constructed at the Whole Foods building, it appears likely that any onsite USTs or potentially contaminated soils associated with USTs would have been excavated and removed during the construction of the parking garage. Based on the excavation of onsite soils during the redevelopment in 2008 and anticipated depth to groundwater, the former bus fueling facility and historical USTs do not appear to represent a recognized environmental condition.

No further action or investigation is recommended at this time.

Project Regulatory Database Review

Historical Recognized Environmental Condition: Historic service station identified

The review of the historical data available for the Project and the regulatory database report identified that a service station, the former ARCO station located at 125 East California Boulevard, was located at the Project from approximately the 1930s to 2002 and utilized at least three USTs. This facility was located on the southern portion of the Project, the site of the current vacant restaurant at 577 South Arroyo Parkway. An unauthorized gasoline release impacting groundwater was first reported in 1988 and soil vapor extraction operations were initiated. In 1998, three USTs were removed from the site and various soil and groundwater investigations were subsequently conducted. The Project received a "no further action" letter from the Pasadena Fire Department dated May 24, 2000; however, the site also received an additional clarification letter regarding the "no further action" letter stating that while the site has complied with the regulatory requirements for the site investigation/remediation, contamination remained at the Project below regulatory action levels. A Declaration of Environmental Restriction allowing access for remediation was recorded on August 21, 2002 that was to terminate 90 days after No Further Action was received. Quarterly monitoring was completed and 761 cubic yards of soil was removed. The LARWQCB granted case closure on December 3, 2004 with no property use restrictions, activity and use limitations, institutional controls, or engineering controls. The monitoring wells were abandoned in 2005. Based on the "no further action" status, the historical use of the Project as a service station represents a historical recognized environmental condition.

No further action or investigation is recommended at this time.

Asbestos

Business Environmental Risk: Suspect ACM Identified

Based on the date of construction (1921, 1925, 1951, 2003 and 2008), there is a potential that asbestos containing materials (ACM) exist at the Project. The suspect asbestos containing roofing materials, ceiling tile, wallboard/joint compound, vinyl floor tile, vinyl sheet flooring and various mastics were observed in generally good condition with the exception of some limited areas of damage noted in the 499/511 Building and the 577 Building.

These materials can be maintained in place if an Operations and Maintenance (O&M) Program is developed and implemented. A properly designed O&M Program is sufficient to maintain the materials in accordance with current regulatory standards.

Moisture Conditions

Business Environmental Risk: Moisture conditions identified

Moisture conditions (including standing water on the floors) were observed on the ceiling, wall and floor areas at the 499/511 Building (currently a vacant building). The areas affected by the moisture were approximately 320 square feet in size. In addition, moisture conditions were observed on the second floor ceiling tiles at the 577 Building (former Dona Rosa Bakery and Taqueria). The areas affected by the moisture were approximately 20 square feet in size.

Refer to the EMG Property Condition Assessment (PCA) report (EMG Project Number 136895.19R000-001.264) for further discussion.

1.2 Recommendations

EMG recommends the following:

Recommendation	Estimated Cost
The cooking grease in the bin and any remaining cooking grease located in the grease traps, as well as the contents of the soil cutting drum, should be disposed by a licensed contractor in accordance with applicable regulations.	Not Applicable
The development and implementation of an Asbestos O&M Program. Costs indicated are for O&M Program Document development only. Comprehensive survey costs, if required, will be identified as a result of O&M Program implementation.	\$499
Refer to the EMG Property Condition Assessment (PCA) report (EMG Project Number 136895.19R000-001.264) for further discussion of the identified moisture conditions.	To Be Determined

1.3 Certification

EMG certifies that EMG has no undisclosed interest in the subject property, that EMG's relationship with the Client is at arms-length, and that EMG's employment and compensation are not contingent upon the findings or recommendations provided in the Report.

If you have any questions regarding this report, please contact Kelly Hoover at (800) 733-0660 x6279 or khoover@emgcorp.com.

Surveyed By: Jeanie Schulz, Project Manager

Written By: Jeanie Schulz, Project Manager

Environmental Professional and Reviewed By:

I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in § 312.10 of 40 CFR 312.

I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the Project. I have developed and performed the all appropriate inquiries in conformance with the standard and practices set forth in 40 CFR Part 312.

Kelly Hoover, Senior Environmental Consultant

1.4 Reliance

1. May be relied upon by Lender and its successor in determining whether to make a loan evidenced by a note "Property Note" secured by the Subject Property.
2. May be relied upon by any purchaser in determining whether to purchase the Property Note for this transaction from Lender.
3. May be relied upon by any Rating Agency in rating securities issued by Lender and representing an interest in the Property Note.
4. May be included with and referenced to in materials offering the Property Note or an interest in the Property Note for sale to intended third party beneficiaries to this Report, except as expressly stated herein.

Lender (to be identified), its parent, affiliates and their successors and assigns, bond holders and potential bond holders, the underwriters

of and securitization of the loan secured by the Property, the rating agencies rating such securitization, and each of such parties' counsel, are entitled to rely upon this Report and to use its contents and conclusions as may be appropriate. This report is also for the use and benefit of, and may be relied upon by, Allstate Insurance Company, an Illinois Insurance company, Arroyo Parkway, LLC, Arroyo Parkway Property Owner, LLC, Edgewood Realty Partners, LLC, Adept Development and The Kutzer Company, and any of their affiliates, partners, members, officers, employees, agents, assigns, and their respective heirs, executors, administrators, transferees, successors in interest, and third parties authorized in writing by Edgewood Realty Partners, LLC, and EMG, including the lender(s) in connection with a secured financing of the site, and their respective successors and assigns. The above mentioned parties agree by accepting this report that any use or reliance on this report shall be limited by the exceptions and limitations in this report, and with the acknowledgment that actual site conditions may change with time, and that hidden conditions may exist at the site that were not discovered within the authorized scope of the assessment. Any use by or distribution of this report to third parties, without the express written consent of EMG, is at the sole risk and expense of such third party except as noted in the reliance language above.

2.0 Scope of Work

2.1 Purpose

The purpose of this report is to provide the Client the results of a commercially prudent and reasonable inquiry designed to identify recognized environmental conditions at the Project taking into account reasonably ascertainable information. In accordance with ASTM E1527-13, the level of environmental assessment was guided by several factors, including the type of property and the risk tolerance of the user.

The user informed EMG that the purpose of the assessment is for financing.

2.2 Scope of Work

The assessment was conducted utilizing generally accepted Phase I industry standards, using American Society for Testing and Materials (ASTM) Standard Practice E 1527-13.

This assessment is based on the evaluation of the information gathered, laboratory analyses of samples collected (when required), and accessibility at the time of the assessment.

The Scope of Work included an evaluation of:

- Interviews with individuals knowledgeable about the Project for the purpose of gathering information regarding the potential for contamination at the Project.
- Available pertinent documents obtained by EMG or provided by the client.
- Reasonably ascertainable federal, state, and local records in an effort to identify sites of known or suspected hazardous waste activity located at or near the Project.
- The Project history in an attempt to identify possible ownership(s) and/or uses, as identified through review of reasonably ascertainable standard historical sources.
- The physical characteristics of the Project, as identified through review of reasonably ascertainable topographic data, wetlands, soils, geology, and groundwater data.
- Current Project conditions (as applicable) as they pertain to the presence or absence of: facility storage tanks, drums, containers (above or below ground), etc., transformers and other electrical equipment which utilize fluid which may potentially contain PCBs, the use of hazardous materials/chemicals and petroleum products, and/or the generation, treatment, storage, or disposal of hazardous, regulated, or medical wastes.
- An evaluation of information contained in programs such as the NPL, SEMS, CERCLIS, SHWS, RCRIS, SWF, LUST, and other governmental information systems within specific search distances of the Project. This evaluation was performed to identify sites that represent a recognized environmental condition. The regulatory agency report provided is based on an evaluation of the data collected and compiled by a contracted data research company. The search is designed to meet the requirements of ASTM Standard Practice E 1527-13. The information provided is assumed to be correct and complete.
- Visual observation of the adjoining properties to identify high-risk neighbors and the potential for known or suspected contamination to migrate onto the Project.

2.3 ASTM E1527 Non-Scope Considerations

At the Client's request, the assessment included a screening approach for the following Non-ASTM Considerations, which are otherwise beyond the Scope of ASTM E1527-13.

Non-ASTM Considerations	
Asbestos Containing Materials:	The identification of suspect asbestos containing materials in accessible areas. Sampling of suspect materials was not performed.
Radon Gas:	Radon gas propensity, through the review of the USEPA's Map of Radon Zones.
Lead-Based Paint:	The identification of lead-based paint for residential and daycare properties constructed prior to 1978. Sampling of suspect materials was not performed.
Lead In Drinking Water:	A screening for lead in water, based on information provided by the municipal water provider.
Moisture Conditions:	The identification of visible moisture conditions and conditions conducive for moisture conditions. In addition, EMG interviewed Project personnel regarding any known or suspected moisture conditions, water intrusion, or mildew like odors.
Wetlands:	Review of readily available wetlands map data available from the US Fish and Wildlife Service. A site specific wetland delineation is beyond the scope of this assessment.
Flood Zone:	Review of readily available flood zone map designations available from regulatory agencies, such as the Federal Emergency Management Agency (FEMA).

3.0 User Provided Information

In order to qualify for one of the Landowner Liability Protections (LLPs) offered by the Small Business Liability Relief and Brownfield's Revitalization Act of 2001 (the "Brownfield's Amendments") (if desired), the user must provide certain information (if available) identified in the User Questionnaire to the environmental professional. Failure to provide this information could result in a determination that "all appropriate inquiry" is not complete.

Within this Phase I Environmental Site Assessment, EMG's reference to the Client follows the ASTM guide's definition of user, that is, the party that retains EMG for the preparation of a baseline ESA of the Project. A user may include, without limitation, a purchaser, potential tenant, owner, existing or potential mortgagee, lender, or property manager of the Project.

3.1 User Questionnaire

EMG submitted the following User Questionnaire to the user pursuant to the responsibilities described in Section 6 of ASTM Standard E 1527-13. All Appropriate Inquires (40 CFR Part 312) requires that these questions be answered by or on behalf of a party seeking to qualify for limited liability protections to CERCLA liability.

A completed User Questionnaire was not returned to EMG. The lack of this information represents a data gap. However, based on the other information obtained during the completion of this assessment, the lack of the User Questionnaire does not represent a significant data gap. A copy of the User Questionnaire is included in Appendix D.

3.2 Environmental Lien/AUL Search

The presence of an Activity and Use Limitation (AUL) at a property is an indication that there may be residual levels of hazardous substances or petroleum products present above unrestricted land use levels. Although Environmental Liens and AULs are often recorded with the property deed at the local land title office, in some cases they are filed in a separate environmental agency database or in project documentation, such as agency closure letters. ASTM E1527-13 does not require the environmental professional to undertake a review of recorded land title records and judicial records for environmental liens and AULs. Such a review is performed at the discretion of the user, based on their need to meet the requirements of 40 CFR 312.20 and 312.25.

The user did not engage EMG to review title and judicial records for environmental liens or AULs recorded against the Project. Furthermore, these documents were not provided to EMG for review. The lack of this information represents a data gap. However, based on the other information obtained during the completion of this assessment, the lack of the Environmental AUL/Lien search does not represent a significant data gap.

4.0 Physical Setting

ASTM E1527-13 requires that the current 7.5-minute USGS Topographic Map (or equivalent) showing the area on which the Project is located be reviewed. Additional physical setting sources, such as soil survey maps, groundwater maps and geologic maps may be obtained and reviewed at the discretion of the environmental professional. The purpose of this review is to evaluate whether hazardous substances or petroleum products are likely to migrate to the Project.

4.1 Topography

The most recent version of the USGS Topographic Map available is discussed below. Historical USGS Topographic Maps, if available, are discussed in Section 6.

USGS Topographic Map and Google Earth Review	
Topographic Map Name:	Pasadena, California
Topographic Map Year:	2015
Project Topography	
Upper Elevation (feet):	790
Lower Elevation (feet):	790
Surface Slope:	Relatively flat
Slope Direction:	South
General Vicinity Topography	
Slope Direction:	South
Nearest Surface Water Feature:	Arroyo Seco Creek
Nearest Surface Water Feature Distance:	5,950 feet
Nearest Surface Water Feature Direction:	West

4.2 Geology

The generalized geology of the Project area was researched using seamless USGS geological maps provided in the ERIS Physical Setting Report (PSR) and/or readily available geologic maps. The PSR is included in Appendix H.

Generalized Geology	
Source:	ERIS
Unit Name:	Quaternary alluvium and marine deposits
Primary Rock Type:	Alluvium
Secondary Rock Type:	Terrace

4.3 Hydrogeology

Groundwater conditions at the Project are estimated based on reasonably available data such as groundwater maps, previous subsurface investigations conducted at, or in the vicinity of the Project, and local conditions. Shallow groundwater flow is generally expected to follow the ground level slope of surface elevations towards the nearest open body of water. Estimated groundwater levels may vary due to seasonal fluctuations in precipitation, local usage demands, geology, underground structures, or dewatering operations.

Hydrogeology	
Source:	A previous subsurface investigation completed at the Project.
Estimated Depth to Shallow Groundwater:	146-155 feet below ground surface
Estimated Direction of Shallow Groundwater Flow:	South-southeast

4.4 Soils

The Soil Survey Geographic Database (SSURGO) contains information about soil as collected by the National Cooperative Soil Survey at the Natural Resources Conservation Service (NRCS). Review of the SSURGO data available in the PSR (Appendix H) and/or from the NRCS Web Soil Survey identified the following soil type(s) at the Project:

Soil Series Name	Drainage	Texture
Urban land-Palmview-Tujunga complex	Well drained to somewhat excessively drained	Sandy loam and loamy sand

5.0 Site Reconnaissance

The objective of the site reconnaissance is to obtain information indicating the likelihood of identifying recognized environmental conditions in connection with the property. In accordance with ASTM E1527-13, EMG attempted to visually observe the periphery of the Project and all structures to the extent not obstructed by obstacles. In addition, EMG attempted to visually observe interior common areas, maintenance and repair areas, and a representative sample of occupant spaces. In general, EMG does not look under floors, above ceilings, behind walls, in confined spaces, in transformer vaults, or in other areas not considered to be safe to access.

Site Reconnaissance Conditions	
Date Completed:	February 28, 2019
EMG Project Manager:	Jeanie Schulz
Weather Conditions:	Partly cloudy
Temperature (F):	70s
Percent of Units Observed:	Approximately 85%
Access Limitations:	A representative sample of interior areas of the tenant space located at 501 South Arroyo Parkway was not made available to EMG for access due to the privacy concerns as patients/clientele were present. Additionally, EMG was unable to access the roofs. The lack of access represents a data gap. However, based on the conditions observed in the accessed areas, discussions with the site contact, and review of other available information, the lack of access does not represent a significant data gap.

5.1 Units

The units located at the Project are discussed below.

Commercial Units Observed		
Unit #	Tenant Name	Tenant Operations
441-483 South Arroyo Parkway (441-483 Building)	Whole Foods	Grocery store
485-497 South Arroyo Parkway (485-497 Building)	K9 Loft	Pet product retail store and pet daycare/boarding
499/511 South Arroyo Parkway (499/511 Building)	Vacant	Not applicable
501 South Arroyo Parkway (501 Building)	Encompass Wells and Gold Line Pilates	Wellness center and Pilates studio
523 South Arroyo Parkway	Town and Country	Party rental retail store
541 South Arroyo Parkway (541 Building)	Vacant	Not applicable

Commercial Units Observed		
Unit #	Tenant Name	Tenant Operations
577 South Arroyo Parkway/125 East California Boulevard (577 Building)	Vacant	Not applicable



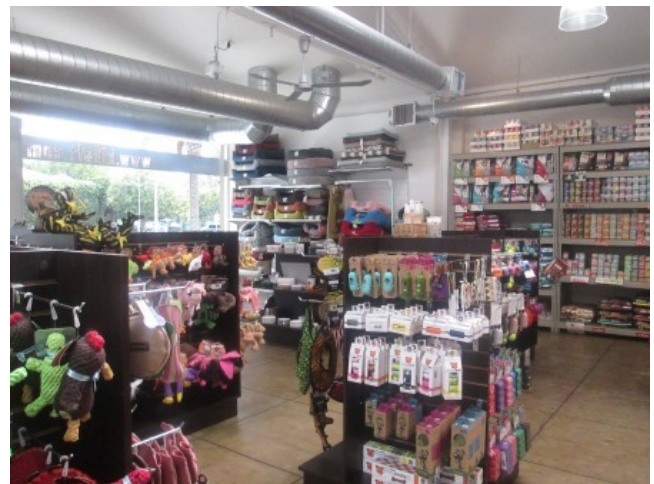
Whole Foods store interior (441-483)



Whole Foods office space (441-483)



Whole Foods parking garage (441-483)



K9 Loft store interior (485-497)



K9 Loft dog play area (485-497)



499/511 Building interior



499/511 Building interior



499/511 Building basement interior



Encompass Wellness patient treatment room (501)



Town and County interior (523)



541 Building interior



541 Building kitchen



577 Building interior



577 Building kitchen

5.2 Project Use

Environmentally Suspect Project Use	
Project Use	Currently Located at the Project
Cellular Communications Equipment:	No
Commercial Printing:	No
Dry Cleaner:	No
Emergency Generator or Diesel Fire Pump:	No
Gas Station:	No
Industrial Use:	No
Landfill:	No
Machine Shop:	No
Meth Lab:	No
Military Use:	No

Environmentally Suspect Project Use	
Project Use	Currently Located at the Project
Petroleum Exploration/Production:	No
Photograph/X-Ray Developing:	No
Vehicle Repair:	No

5.3 Hazardous Materials and Petroleum Products

Accessible interior and exterior areas of the Project were observed for the presence of hazardous materials and petroleum products.

EMG evaluated any observed manways, vent pipes, fill connections, concrete pads, and unknown saw cuts to determine if USTs are present at the Project, or if USTs were historically located at the Project. In addition, the Key Site Manager and other property management personnel were interviewed regarding the presence of USTs at the Project.

EMG observed the Project for the presence of potentially PCB-containing equipment such as electrical transformers and hydraulic lifts. Equipment installed after 1979 is unlikely to contain PCBs.

EMG observed the Project for visual evidence of petroleum and natural gas pipelines, such as pipeline markers.

Storage and Use of Hazardous Materials and Petroleum Products	
Feature	Identified at Project
Drums and Small Containers:	Yes. Further discussed below.
Underground Storage Tanks (USTs):	No
Aboveground Storage Tanks (ASTs):	No
Oil Cooled Transformers:	Yes. Further discussed below.
Hydraulic Elevators:	Yes. Further discussed below.
Hydraulic Lifts:	Yes. Further discussed below.
Other Hydraulic Equipment:	Yes. Further discussed below.
Petroleum or Natural Gas Pipelines:	No

Drums and Small Containers			
Material	Quantity	Storage Location	Spills or Leaks
Janitorial and maintenance supplies	Retail-size containers	Janitor closets and other designated areas	No

Review of the hazardous materials use and storage at the Project did not identify any recognized environmental conditions or environmental concerns with regards to the materials listed in the table above.



Typical janitorial supply storage in tenant spaces



Janitorial supply storage at Whole Foods



Maintenance supply storage at Whole Foods

Oil Cooled Transformers	
Type:	Vaulted
Number of Units:	2
Owner:	Utility company
Labeled:	Not labeled
Age:	Appears to have been installed after 1979
PCB Status:	Unlikely to be PCB-contaminated based on the apparent age of the equipment.
Spills or Leaks Observed:	No
Conclusion:	Based on the information above, the presence of this equipment does not represent a recognized environmental condition.



Vaulted transformer on northwest exterior of 441-483 Building



Vaulted transformer on western exterior of 577 Building

Hydraulic Elevators	
Number of Elevators:	2
Owner:	Tenant
Age:	Appears to have been installed after 1979
PCB Status:	Unlikely to be PCB-contaminated based on the apparent age of the equipment.
Spills or Leaks Observed:	No
Conclusion:	Based on the information above, the presence of this equipment does not represent a recognized environmental condition.



Hydraulic elevator equipment in parking garage



Hydraulic elevator equipment in parking garage

Hydraulic Lifts	
Number of Lifts:	1
Owner:	Property
Installation:	Below grade
Age:	Appears to have been installed prior to 1980
PCB Status:	Potentially contains PCBs
Spills or Leaks Observed:	No
Conclusion:	Based on the information above, the presence of this equipment does not represent a recognized environmental condition.



Hydraulic lift equipment in the basement of the 499 Building

Other Hydraulic Equipment	
Type of Equipment:	Box baler
Number of Units:	1
Owner:	Tenant
Age:	Appears to have been installed after 1979
PCB Status:	Unlikely to be PCB-contaminated based on the apparent age of the equipment.
Spills or Leaks Observed:	No
Conclusion:	Based on the information above, the presence of this equipment does not represent a recognized environmental condition.



Hydraulic box baler

5.4 Waste Generation, Storage, and Disposal

Visual observation for the generation, treatment, storage, and disposal of wastes was performed. The areas of waste generation and storage were observed for evidence of current and past releases.

Although a waste disposal regulatory compliance audit is beyond the scope of this assessment, general waste disposal procedures were evaluated to determine if any deficiencies exist that are likely to result in a release to the Project.

Waste Generation and Disposal	
Feature	Identified at Project
Waste Generation:	Yes. Further discussed below.
Septic Systems:	No
Sewer Lift Stations:	No
Grease Traps:	Yes. Further discussed below.
Oil Water Separators:	Yes. Further discussed below.
Unknown Drums or Containers:	No
Waste Disposal Ponds or Lagoons:	No

Waste Generation			
Waste Type	Disposal Method	Storage Location	Spills or Leaks
Domestic sewage	Sanitary sewer	Not applicable	No
Municipal trash	Contracted waste hauler	Dumpsters	No
Retail waste (damaged or expired product)	Contracted waste hauler	Whole Foods warehouse (441-483)	No
Cooking grease	Contracted waste hauler	Grease traps and bin	No
Non-hazardous soil cuttings	Contracted waste hauler	Western exterior of 577 Building	No

A grease bin containing minimal quantities of grease was observed on the western exterior of the 541 Building. In addition, a drum was observed on the western exterior of the 577 Building with labeling indicating the contents consisted of non-hazardous soil cuttings. According to the Key Site Manager, the grease bin has not been used in several years and the soil cuttings in the drum were generated during a 2018 subsurface investigation completed at the 499/511 Building. Refer to Sections 1.1 and 6.3 for further discussions.

Review of waste storage and disposal information did not identify any recognized environmental conditions or environmental concerns with regards to the wastes listed in the table above.



Dumpsters



Retail waste storage in Whole Foods (441-483)



Below-grade grease trap on western exterior of 541 Building



Below-grade grease trap on northern exterior of 577 Building



Grease trap in parking garage of 441-483 Building (Whole Foods)



Grease trap in parking garage of 441-483 Building (Whole Foods)



Empty grease bin on western exterior of 541 Building



Drum labeled as non-hazardous soil cuttings on western exterior of 577 Building

Grease Traps	
Type:	In-ground concrete (2 traps)
Wastes:	Cooking grease
Year Installed:	Unknown
Currently Active:	No
Reported Condition:	Good
Observed Condition:	Good
Location:	Western exterior of 541 Building and northern exterior of 577 Building
Discharge Location:	Storm sewer
Waste Removal:	According to the Key Site Manager, the grease traps have been inactive for several years.
Waste Manifests:	Copies of the most recent disposal manifests were not available.
Conclusion:	Based on the information above, no recognized environmental conditions or environmental concerns were identified.



Below-grade grease trap on western exterior of 541 Building



Below-grade grease trap on northern exterior of 577 Building

Grease Traps	
Type:	Above ground plastic (2 traps)
Wastes:	Cooking grease
Year Installed:	2008
Currently Active:	Yes
Reported Condition:	Good
Observed Condition:	Good
Location:	Lower level of parking garage below Whole Foods building (441-483)
Discharge Location:	Storm sewer
Waste Removal:	A contracted waste hauler reportedly removed the waste as needed
Waste Manifests:	Copies of the most recent disposal manifests were not available but the equipment appears to be serviced regularly based on field observations and discussion with the Key Site Manager.
Conclusion:	Based on the information above, no recognized environmental conditions or environmental concerns were identified.



Grease trap in parking garage of 441-483 Building (Whole Foods) Grease trap in parking garage of 441-483 Building (Whole Foods)

Oil Water Separators	
Type:	In-ground concrete
Wastewater Source:	Parking facility
Year Installed:	2007
Currently Active:	Yes
Reported Condition:	Good
Observed Condition:	Good
Location:	Lower level of parking garage beneath Whole Foods building (441-483)
Discharge Location:	Storm sewer
Waste Removal:	A contracted waste hauler removes the waste as needed.
Waste Manifests:	A copy of the most recent disposal manifest was not available but the equipment appears to be serviced regularly based on field observations and discussion with the Key Site Manager.
Conclusion:	Based on the information above, no recognized environmental conditions or environmental concerns were identified.



Sump and oil-water separator in parking garage of 441-483 Building

5.5 Surface Areas

The interior and exterior surface areas were observed for environmentally significant features such as wells, sumps, staining, and pits.

Surface Areas	
Feature	Identified at Project
Environmentally Significant Floor Drains, Sumps and Pits:	Yes. Further discussed below.
Pools of Liquid Waste:	No
Surface Staining:	No
Unusual or Noxious Chemical Odors:	No
Landfilling:	No

Surface Areas	
Feature	Identified at Project
Stressed Vegetation:	No
Stormwater Retention/Detention Basins:	No
Domestic Water Wells:	No
Monitoring Wells:	No
Irrigation Wells/Dry Wells:	No
Evidence of Former Subsurface Investigation:	Yes. Further discussed below.
Railroad Tracks:	Yes. Further discussed below.

Environmentally Significant Floor Drains, Sumps, and Pits					
Type of Drain	# of Drains	Discharge Point	Staining or Odors Observed	Connected to Oil/Water Separator	Location
Sump	1	Storm sewer	No	Yes	Lower level of parking garage beneath Whole Foods building (441-483)



Sump and oil-water separator in parking garage of 441-483 Building

Evidence of Former Subsurface Investigation	
Evidence:	Three apparent boreholes
Location:	North, northwest and west exterior of 577 Building
Staining:	No
Stressed Vegetation:	No
Dumping of Hazardous Waste:	No
Conclusion:	Refer to Sections 1.1 and 6.3 for further discussions.



Evidence of former soil boring on western exterior of 577 Building



Evidence of former soil boring on north- northwest exterior of 577 Building



Evidence of former soil boring on north exterior of 577 Building

Railroad Tracks	
Location:	Abutting west of the Project
Type:	Thru-railway
Rail Yard:	Not associated with a rail yard or other area of concentrated activity
Timeframe:	Since at least 1890

Railroad Tracks	
Current Status:	Active
Staining:	No
Distressed Vegetation:	No
Other Evidence of Contamination:	No
Conclusion:	Based on this information, the presence of the railroad tracks does not appear to represent a recognized environmental condition at this time.



Abutting west railroad tracks

5.6 Utilities, Heating, and Cooling

Utilities	
Domestic Water:	Public utility - City of Pasadena
Electricity:	Public utility - City of Pasadena
Natural Gas:	Public utility - Southern California Gas Company
Domestic Sewer:	Public utility - City of Pasadena

Heating and Cooling	
Type of Heating:	Natural gas units
Type of Cooling:	Electric units



Water heater

5.7 Adjoining Property Use

The adjoining properties were visually observed for evidence of recognized environmental conditions, such as property uses likely to result in a release and visual evidence of surface migration of releases. ASTM E1527-13 defines adjoining properties as any real property that is contiguous or partially contiguous with the Project or that would be but for a street, road, or other public thoroughfare separating them. The following adjoining properties were identified:

North	
Bordering Street/Road:	East Bellevue Drive
Address Range:	412 South Raymond Avenue, 411 South Arroyo Parkway, 432 South Arroyo Parkway
Description of Property Use:	Union Station Homeless Services adult center (northwest), Arroyo Parkway Self Storage (north), Snyder Diamond retail store (northeast)
East	
Bordering Street/Road:	South Arroyo Parkway
Address Range:	450-560 South Arroyo Parkway, 171 East California Boulevard
Description of Property Use:	Commercial/retail businesses (Lifestyle Outdoors, MC2Fit, Cisco Home, Denong Fine Tea, Parkway Grill, Arroyo Chop House, Bryan's Cleaners and Laundry, Granny's Pantry and West World Imports) and condominiums
South	
Bordering Street/Road:	East California Boulevard
Address Range:	100 East California Boulevard, 605 South Arroyo Parkway, 160 East California Boulevard
Description of Property Use:	Medical office building (Retina Institute/The California Clinic to the southwest), Valero service station (south) and Arroyo-California Car Wash/Chevron service station (southeast)
West	
Bordering Street/Road:	Railroad tracks
Address Range:	442-552 South Raymond Avenue
Description of Property Use:	Commercial/retail businesses (Plati German Car Service, Absolute Automotive, SoCal Public Radio/KPCC, CMG Design and U-Haul Rentals and Self Storage)

Findings	
Environmentally Suspect Uses:	<p>Yes, two service stations (Valero and Chevron) are located at 605 South Arroyo Parkway and 160 East California Boulevard, adjacent to the south and southeast of the Project. In addition, two auto repair facilities (Plati German Car Service and Absolute Automotive) are located at 442 and 450 South Raymond Avenue), adjacent to the west of the Project. Lastly, a dry cleaner (Bryan's Cleaners and Laundry) is located at 544 South Arroyo Parkway, adjacent to the east of the Project.</p> <p>No monitoring wells or other visual evidence of a current or past release associated with the service stations, auto repair facilities and dry cleaner were observed.</p>
Visual Evidence of a Release:	No visual evidence of a release, such as staining or monitoring wells, was observed near the Project boundary closest to these facilities.
Releases Reported:	The adjacent SoCal Public Radio/KPCC and U-Haul Rentals and Self Storage facilities are identified on the LUST and CHMIRS databases, respectively, indicating releases occurred at these facilities.
Conclusion:	Refer to Section 7.1.2 for further discussion of the regulatory database listing associated with the adjacent properties. No other recognized environmental conditions or environmental concerns were identified.



Adjacent north Arroyo Parkway Self Storage



Adjacent northeast Snyder Diamond and Lifestyle Outdoor retail stores



Adjacent east mixed-used building and Cisco Home store



Adjacent east-southeast Granny's Pantry and Bryan's Cleaners and Laundry



Adjacent southeast Chevron service station



Adjacent south Valero service station car wash and auto repair



Adjacent west railroad tracks and Plati German Car Service



Adjacent west railroad tracks and U-Haul facility

5.8 Interviews

5.8.1 Key Site Manager

EMG attempted to interview the Key Site Manager as part of this assessment. In addition, a Questionnaire was provided to the Key Site Manager to assist EMG in determining if recognized environmental conditions exist at the Project.

Key Site Manager Interviews			
Name	Relationship To Property	Years With Property	Telephone Number
Claudia Rodriguez	Property Manager	1	626.441.9620

Refer to Section 1.1 for further discussions of historical uses of the Project and the moisture conditions identified by the Key Site Manager Questionnaire. A copy of the Key Site Manager Questionnaire is included in Appendix D.

5.8.2 Current Occupants

EMG made a reasonable attempt to interview all major occupants and also those other occupants whose operations are likely to indicate a recognized environmental condition.

No occupants of the Project were available or would agree to an interview. The lack of occupant interviews represents a data gap. However, based on the conditions observed in the accessed areas, discussions with the site contact, and review of other available information, the lack of this information does not represent a significant data gap.

5.8.3 Current Owner

EMG submitted an Owner Questionnaire to the client in an effort to identify the owner of the Project who could be interviewed to provide information regarding proceedings involving the Project.

A completed Owner Questionnaire was not returned to EMG. The lack of this information represents a data gap. However, based on the other information obtained during the completion of this assessment, the lack of the Owner Questionnaire does not represent a significant data gap. A copy of the blank Owner Questionnaire is included in Appendix D.

5.8.4 Past Owners and Occupants

No past owners of the Project, who likely would have material information regarding recognized environmental conditions at the Project, were identified.

5.8.5 Nearby Owners and Occupants

The Project was not an abandoned property with evidence of unauthorized uses or uncontrolled access; therefore, interviews were not conducted with adjoining or nearby property owners or occupants.

6.0 Historical Use Information

The purpose of the historical review is to determine the previous uses of the Project and surrounding area in order to identify the likelihood of past uses having led to a recognized environmental condition. Historical sources that are both reasonably ascertainable, and likely to be useful are reviewed in an attempt to document the historical use of the Project and surrounding areas dating back to 1940, or the first developed use, whichever is earlier.

Copies of representative historical maps/aerial photographs are included in Appendix C. Other historical documentation, such as City Directory abstracts, copies of building department records, and ownership records are included in Appendix F, when available.

The following standard historical sources were researched:

Standard Historical Sources		
Data Type	Source	Years Covered
Aerial Photographs:	Environmental Risk Information Services (ERIS)	1928, 1934, 1938, 1944, 1949, 1956, 1964, 1972, 1980, 1988, 1994, 2002, 2005, 2010, 2012, 2014, 2016
Fire Insurance (Sanborn) Maps:	ERIS	1890, 1894, 1903, 1910, 1931, 1950, 1970
USGS Topographic Maps:	ERIS	1894, 1896, 1900, 1928, 1940, 1953, 1966, 1972, 1988, 1995, 2015
Local Street Directories:	ERIS	1921, 1924, 1928, 1933, 1937, 1940, 1943, 1947, 1951, 1955, 1960, 1965, 1970, 1975, 1979, 1985, 1990, 1995-96, 2000-01, 2005-06, 2012, 2018
Building Department Records:	City of Pasadena Building and Safety Department	1920s - Current
Fire Department Records:	City of Pasadena Fire Department	Not applicable
Zoning/Land Use Records:	City of Pasadena Planning Department	2005 - Current
Property Tax Files and Land Title Records:	Los Angeles County Assessor	2002 - Current
Key Site Manager Interview:	Pre-Survey Questionnaire	2018 - Current
Oil and Gas Well Map:	ERIS	Current
Previous Environmental Reports:	Refer to Section 6.3	Refer to Section 6.3
Other Historical Sources:	Not applicable	Not applicable

EMG was not able to obtain standard historical sources that document the Project history in five-year intervals. Furthermore, EMG was not able to document the use of the Project back to the first developed use, or back to 1940, whichever is earlier. The lack of this information represents a data gap. However, based on the other information obtained during the completion of this assessment, the lack of this information does not represent a significant data gap.

6.1 Project Historical Use

Based on review of the historical resources identified in Section 6.0, the following chronological history was developed for the Project.

Chronological History of Project			
Years	Project Use	Tenants	Environmental Concern
Prior to 1890	No historical data available.	Not applicable	No
1890s	Residences and vacant lots	Residential	No
1900s	A factory and vacant lots	Voting machine factory	No
1910s	Vacant building and vacant lots	Not applicable	No
1920s - Mid 1930s	Various commercial buildings (including current 485-497, 499/511 and 501 Buildings) and vacant lots	Pacific Electric RV Company motor bus garage and office, a storage building, roofing material storage building/offices, sheet metal works, wholesale groceries warehouse/offices, and a plumbing supply warehouse/office	No
Late 1930s - 1940s	Various commercial buildings (including current 485-497, 499/511 and 501 Buildings) and a service station on the southeast portion of the Project.	Pasadena City Lines bus garage/office and an associated fueling station (439-457 S Arroyo), G. Rose used lumber (473), Destruxol Corporation Insecticides (495), Market Basket office (501) and S Connolly Richfield Service Station (125 E California)	Yes. Refer to Section 1.1 for further discussion.
1950s - Early 1960s	Various commercial buildings (including current 485-497, 499/511, 501, 523 and 541 Buildings) and a service station on the southeast portion of the Project. Of note, a "gasol pump" was noted on the 1950 Sanborn map located on the southeast corner of the 499/511 building.	Pasadena City Lines (bus garage, office, paint spray booth, wash rack and fueling station) (439-483), various warehouses and offices (485), Destruxol Corporation Insecticides (495), Taverner & Fricke wholesale paper/Dorr Bros. Moving/Rade Corporation (501), Home & Industrial Supply building materials/Skills Unlimited (523) and Chick & John Richfield Service Station/Patterson Richfield Service Station (125)	Yes. Refer to Section 1.1 for further discussion.
Mid 1960s - Late 1960s	Various commercial buildings (including current 485-497, 499/511, 501, 523 and 541 Buildings) and a service station on the southeast portion of the Project	Pasadena City Lines (bus garage, office, wash rack, spray paint booth and fueling station) (439-483), Servisoft Water Service (491), multi-tenant building (495), Commercial Commodities/Dorr Bros. Moving/Pasadena Scientific Industries/Marick Corporation (501), Westward Ho restaurant (541) and Patterson Richfield Service Station (125)	Yes. Refer to Section 1.1 for further discussion.

Chronological History of Project			
Years	Project Use	Tenants	Environmental Concern
1970s	Various commercial buildings (including current 485-497, 499/511, 501, 523 and 541 Buildings) and a service station on the southeast portion of the Project. Of note, a "gasol pump" was noted on the southeast corner of the 499/511 building in the 1970 Sanborn map.	A municipal vehicle maintenance facility (including a garage, office, spray paint booth, wash rack and fueling station (439-483), Cimino Distributing/ Foto Beverage Company (455), Servisoft Water Service (491), multi-tenant office/warehouse facility (495), Huntington Desk Company (499), Commercial Commodities Company/Pasadena Scientific Industries/John R. Anderson (501), Robert Masten (503), Lewis Unique Iron (523), Westward Ho/Duck Soup restaurant (541) and Patterson Richfield Service Station (125)	Yes. Refer to Section 1.1 for further discussion.
1980s - Early 1990s	Various commercial buildings (including current 485-497, 499/511, 501, 523 and 541 Buildings) and a service station on the southeast portion of the Project	ATW/A&S Tire Sales/American Tire Warehouse/Capitol Group Tire/ Discount Tire Center (455), Rags to Riches (491), multi-tenant office/ warehouse building (495), Huntington Desk Company (499), John R. Anderson/Rae Mar Development (501), Lewis Wrought Iron/Colonial Antiques/ Phil Harbaugh Auto/Porte La Grande Auto (523), Manana restaurant (541) and Patterson Richfield Service Station (165)	Yes. Refer to Section 1.1 for further discussion.
Mid 1990s - Late 1990s	Various commercial buildings (including current 485-497, 499/511, 501, 523 and 541 Buildings) and a	Absolute Automotive Service/Mark Kramer Construction (451), Discount Tire Centers (455), multi-tenant office/ warehouse building (495), Huntington Desk Company/Business Interiors (499), Bruce Anderson (501), Roy Aldridge Auto (523), Manana restaurant (541) and ARCO service station (125)	Yes. Refer to Section 1.1 for further discussion.
Early 2000s - Mid 2000s	Various commercial buildings (including current 485-497, 499/511, 501, 523 and 541 Buildings) and a service station on the southeast portion of the Project. Of note, the service station was demolished in approximately 2002 and replaced by the current 577 Building.	Absolute Automotive Service/Frank's Detail Shop (451), Discount Tire Centers (455), Absolute Auto Detail (491), Corporate Furniture Resources (499), Parkway Antiques (523), Margarita Jones restaurant (541), Dona Rosa/HMS Catering (577), Vic's ARCO Mini Market and Service Station (125) in 2000-2002	Yes. Refer to Section 1.1 for further discussion.

Chronological History of Project			
Years	Project Use	Tenants	Environmental Concern
2008 - Current	Various commercial buildings (including current 441-483, 485-497, 499/511, 501, 523, 541 and 577 Buildings)	Whole Foods Market (465), K9 Loft (499), AAA Board Up/E-Biome/Gold Line Pilates/Encompass Wellness/Jensen Construction (501), Margarita Jones restaurant (541) and Dona Rosa Bakery and Tacqueria (577)	No

Tax files and land title records can include general property information, current and historical ownership names, and title records provided by the user. Readily available ownership records are reviewed from the local tax assessor. A 50-year chain of title search was not performed based on the Scope of Work. The following ownership history was identified.

Ownership History of Project		
Year Purchased	Owner Name	Environmental Concern
Prior to 2002	BP Coast Products, LLC (southern portion of Project)	Yes. Refer to Section 1.1 for further discussion.
2002	125 ECP, LLC (southern portion of Project)	No
2007	Marc Itah Trust	No

6.2 Off-Site Historical Use

Based on review of the historical resources identified in Section 6.0, the following chronological history was developed for the adjoining properties.

Chronological History of Adjoining Properties		
Years	Adjoining Property Use	Environmental Concern
North		
Prior to 1890	No historical data available	No
1890 - 1930s	Undeveloped land	No
1940s - Current	General commercial (including a former dry cleaner to northeast)	Yes. Refer to Section 7.1.2 for further discussion.
East		
Prior to 1890	No historical data available	No
1890 - 1920s	Residential and undeveloped land	No
1930s - 1940s	General commercial, residential and undeveloped land	No
1950s - Current	General commercial (including dry cleaners) and residential	Yes. Refer to Section 7.1.2 for further discussion.
South		
Prior to 1890	No historical data available	No
1890 - Mid 1900s	Undeveloped land	No

Chronological History of Adjoining Properties		
Years	Adjoining Property Use	Environmental Concern
Late 1900s - Mid 1930s	General commercial	No
Late 1930s - Current	General commercial including two service stations to the south and southeast	Yes. Refer to Section 7.1.2 for further discussion.
West		
Prior to 1890	No historical data available	No
1890 - 1920s	Railroad tracks, residential and undeveloped land	No
1930s - 1950s	Railroad tracks, residential, warehouses and office buildings	No
1960s - Current	Railroad tracks, warehouses and office buildings (businesses include various auto repair facilities)	Yes. Refer to Section 7.1.2 for further discussion.

Refer to Section 7.1.2 for further discussion of the historical adjacent properties.

6.3 Historical Environmental Documentation

In accordance with ASTM E1527-13, EMG requested that the user provide copies of previous environmental assessments for review. Furthermore, EMG may have obtained prior environmental assessments and regulatory records from local, state, and federal regulatory agencies. The purpose of reviewing prior environmental assessments is to determine if any recognized environmental conditions have previously been identified. Documentation provided to EMG which is unrelated to the completion of this report may not be reviewed.

Report Title	Prepared By	Report Date	Obtained From	Copy of Report	Concerns Identified
Request for Closure Letter for ARCO Facility No. 510	Delta Environmental Consultants, Inc. (DEC)	August 26, 1999	Client	Appended	Yes. Further discussed below.
Notice of Detection of Contamination and Landowner Notification Requirements for ARCO Facility No. 510	City of Pasadena Fire Department (PFD)	December 28, 1999	Client	Appended	Yes. Further discussed below.
Intent to Make a Determination that No Further Action is Required or Issue a Closure Letter for ARCO Facility No. 510	PFD	December 28, 1999	Client	Appended	Yes. Further discussed below.
Underground Storage Tank Closure Activities at ARCO Facility No. 510	PFD	May 24, 2000	Client	Appended	Yes. Further discussed below.
Site Map (showing remedial activities)	Secor International, Inc. (Secor)	February 19, 2003	Regulatory agency	Appended	Yes. Further discussed below.
Grading Plan for 577 South Arroyo Parkway	Prutz & Associates (P&A)	March 6, 2003	Client	Available Upon Request	Yes. Further discussed below.

Report Title	Prepared By	Report Date	Obtained From	Copy of Report	Concerns Identified
Site Map (showing soil borings and groundwater monitoring well locations)	Secor	December 2, 2003	Regulatory agency	Appended	Yes. Further discussed below.
Atlantic Richfield Company Quarterly Report	Secor	January 15, 2004	Regulatory agency	Appended	Yes. Further discussed below.
Underground Storage Tank Program - Notification to Fee Title Holder With Intent to Close Case	Los Angeles Regional Water Quality Control Board (LARWQCB)	October 22, 2004	Regulatory agency	Appended	Yes. Further discussed below.
Underground Tank Program - Case Closure Letter	LARWQCB	December 3, 2004	Regulatory agency	Appended	Yes. Further discussed below.
ALTA/ACSM Land Title Survey for 465 South Arroyo Parkway	JRN Civil Engineers (JRN)	November 5, 2014	Client	Appended	No
Phase I Environmental Site Assessment	EBI Consulting (EBI)	November 5, 2014	Client	Available Upon Request	Yes. Further discussed below.
Phase II Environmental Site Assessment	Ramboll US Corporation (Ramboll)	March 12, 2018 (revised draft)	Regulatory agency	Appended	Yes. Further discussed below.
Phase I Environmental Site Assessment	EMG	March 13, 2018	Client	Available Upon Request	Yes. Further discussed below.
LUST Case Summary for ARCO Facility No. 510	LARWQCB	Current	Regulatory agency	Appended	Yes. Further discussed below.

Historical Recognized Environmental Condition: Historical service station identified

The review of the historical data available for the Project and the regulatory database report identified that a service station (former ARCO station located at 125 East California Boulevard) was located at the Project from approximately the 1930s to 2002 and utilized at least three USTs. This facility was located on the southern portion of the Project (site of the current vacant restaurant at 577 South Arroyo Parkway). An unauthorized gasoline release impacting groundwater was first reported in 1988 and soil vapor extraction operations were initiated. In 1998, three USTs were removed from the site and various soil and groundwater investigations were subsequently conducted. The Project received a "no further action" letter from the Pasadena Fire Department dated May 24, 2000; however, the site also received an additional clarification letter regarding the "no further action" letter stating that while the site has complied with the regulatory requirements for the site investigation/remediation, contamination remained at the Project below regulatory action levels. A Declaration of Environmental Restriction allowing access for remediation was recorded on August 21, 2002 that was to terminate 90 days after No Further Action was received. In addition, the Declaration indicates that written approval would be required from BP West Coast Products LLC prior to the construction of any improvements or installing any equipment within the Restricted Area for a period of 90 days after the receipt of a No Further Action letter. Quarterly monitoring was completed and 761 cubic yards of soil was removed. The LARWQCB granted case closure on December 3, 2004 with no property use restrictions, activity and use limitations, institutional controls, or engineering controls. The monitoring wells were abandoned in 2005. Based on the "no further action" status, the historical use of the Project as a service station represents a historical recognized environmental condition.

De minimis condition: Historical bus station fueling facility/USTs identified

The review of the historical data available for the Project identified that a bus facility (and later a distributing company, auto repair facility, tire center and auto detailing shop) with an associated fueling station was located on the northern portion of the Project, in the area of the current Whole Foods store, from approximately the 1930s through 2007. Sanborn Maps from 1950 through 1970 depicted "gas and oil tanks" in the southern portion of the Whole Foods site. No records regarding the installation or removal of USTs were found during this assessment. Based on the fact that a three-story underground parking garage was constructed at the Whole Foods building, it appears likely that any onsite USTs or potentially contaminated soils associated with USTs would have been excavated and removed during the construction of the parking garage. Based on the excavation of onsite soils during the redevelopment in 2008, the former bus fueling facility does not represent a recognized environmental condition.

De minimis condition: Historical UST identified

The 2014 EBI Phase I Environmental Site Assessment indicated a UST was formerly associated with 455 South Arroyo Parkway, in the area of the current Whole Foods store. No details regarding the size or contents of the UST were provided. Additionally, 451 South Arroyo Parkway (Absolute Automotive Service) was listed on the historical auto station database which may have been associated with this address/business. No records regarding the installation or removal of UST(s) at this site were found during this assessment. Based on the fact that a three-story underground parking garage was constructed at the Whole Foods building, it appears likely that any onsite USTs or potentially contaminated soils associated with USTs would have been excavated and removed during the construction of the parking garage. Based on the excavation of onsite soils during the redevelopment in 2008, the reported SWEEPS UST or historical usage of the Project does not represent a recognized environmental condition.

De minimis condition: Historical "gasol pump" identified

A "gasol pump" was identified in the southeastern corner of 511 South Arroyo Parkway based on Sanborn maps dated 1950 and 1970. "Gasol" is an abbreviated term for gasoline, which is used on Sanborn maps during this time period. A "gasol pump" generally consists of a fuel dispenser and most commonly a mechanical pump and nozzle. Based on the lack of information related to the historical presence of a gasol pump on-site, Ramboll US Corporation (Ramboll) conducted a Phase II Environmental Site Assessment to evaluate the subsurface conditions in the vicinity of the pump. On February 13, 2018, Spectrum Geophysics of Chatsworth conducted a geophysical survey to mark subsurface utility lines, subsurface structures, and underground obstructions in the area of concern. During the geophysical survey, two approximately 2-inch diameter metal conduits were observed extending above ground surface in the general vicinity of the former gasol pump. One conduit was located within an elevated concrete pad, extended approximately three inches above the ground surface, and was backfilled with concrete. The second conduit extended approximately two inches above the ground surface and was open to an approximate depth of five feet below ground surface (bgs). A petroleum-like odor was noted on the measuring tape used to measure the total depth of the open conduit. Finally, a subsurface metallic anomaly, suggestive of piping, was detected approximately 0.5 foot bgs and extended laterally between the two conduits. Two soil borings were also advanced to 20 feet bgs in the vicinity of the former pump. Soil samples were collected from borings at approximate depths of five, ten, 15, and 20 feet and were field screened for organic vapors with a photoionization detector (PID). The soil samples were also submitted to a laboratory for the analysis of volatile organic compounds (VOCs), oxygenates and methyl tert butyl ether (MTBE), total petroleum hydrocarbons (TPH)-gasoline range organics (GRO), TPH-diesel range organics (DRO), TPH-oil range organics (ORO), and lead. Groundwater samples were not collected due to the typical depth to groundwater in the area (more than 140 feet bgs). No VOCs, MTBE or TPH were detected in soil samples. Lead was detected at concentrations ranging from 3.8 mg/kg to 10 mg/kg; however, all concentrations were below the USEPA regional screening levels for residential and commercial/industrial use, and within typical background levels for California. Based on this information, the former gasol pump represents a de minimis condition associated with the Project.

Refer to Section 1.1 for further discussion.

7.0 Environmental Records Review

The purpose of the records review is to obtain and review records that will help identify recognized environmental conditions. ASTM E1527-13 requires the review of reasonably ascertainable records from standard sources as defined in Section 8.2.1 of ASTM E1527-13. Additional records sources, such as local fire department records, local building department records, and local environmental health department records may be obtained and reviewed at the discretion of the environmental professional.

The availability of record information varies widely, depending on the source. Reasonably ascertainable records are those records that are publicly available, obtainable within reasonable time and cost constraints, and practically reviewable. In addition, the records must be provided by the agency within 20 calendar days of receiving a request, at no more than a nominal cost intended to cover the source's cost of retrieving and duplicating the information.

7.1 Regulatory Database Review

EMG obtained a regulatory database report from a commercial database provider in an effort to determine if the Project is a listed regulatory site and whether there are any mappable regulatory database sites within the search distances specified by ASTM E1527-13. EMG attempted to field-verify the locations of the identified regulatory sites, as well as confirm distances and locations relative to the Project using available mapping software. Therefore, the distances and/or directions noted in this section may not match the Database Report. In addition, EMG reviewed the unmappable sites in the database report, cross-referencing addresses and site names.

In accordance with ASTM E1527-13, regulatory files and/or records associated with standard environmental record sources may be obtained and reviewed when the files and/or records are reasonably ascertainable, the files/records are expected to contain significant information for the purpose of identifying recognized environmental conditions, and an alternative source of the information is not available. Furthermore, review of regulatory files and/or records may be limited by the scope of work. Unless otherwise noted in Section 1.1, further review of regulatory agency files and/or records is not considered to be warranted based on the general nature of the regulatory database listing, the level of detail provided in the regulatory database, the availability of information from alternative sources, and/or the low likelihood that the agency files and/or records will contain information indicating the presence of a recognized environmental condition.

A copy of the full regulatory database report is included in Appendix H.

Regulatory Report Summary

Database	Search Radius	Target Property	Within 0.12mi	0.12mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
ALT FUELS	0.25	0	0	1	-	-	1
CERCLIS	0.5	0	0	0	3	-	3
CERCLIS NFRAP	0.5	0	0	0	1	-	1
CERS HAZ	0.125	1	18	-	-	-	19
CERS TANK	0.25	0	3	3	-	-	6
CHMIRS	0.125	0	2	-	-	-	2
CLEANUP SITES	0.5	0	0	1	0	-	1
DELISTED HAZ	0.5	0	1	1	4	-	6
DELISTED TNK	0.25	0	3	2	-	-	5
DRYCLEANERS	0.25	0	14	5	-	-	19
EMISSIONS	0.25	0	18	14	-	-	32

Database	Search Radius	Target Property	Within 0.12mi	0.12mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
ENVIROSTOR	1.0	0	2	1	6	3	12
FED BROWNFIELDS	0.5	0	0	1	0	-	1
FED DRYCLEANERS	0.25	0	2	0	-	-	2
FINDS/FRS	0.125	2	29	-	-	-	31
HAZNET	0.125	2	87	-	-	-	89
HHSS	0.25	0	7	11	-	-	18
HIST MANIFEST	0.125	0	17	-	-	-	17
HIST TANK	0.25	0	7	11	-	-	18
HWP	1.0	0	0	0	1	0	1
LA HMS	0.25	0	11	15	-	-	26
LA SML	0.5	0	1	1	1	-	3
LUST	0.5	0	2	0	0	-	2
RCRA CESQG	0.25	0	1	0	-	-	1
RCRA CORRACTS	1.0	0	0	0	1	0	1
RCRA LQG	0.25	0	0	1	-	-	1
RCRA NON GEN	0.25	1	6	21	-	-	28
RCRA SQG	0.25	0	10	18	-	-	28
RESPONSE	1.0	0	0	0	1	0	1
SEMS	0.5	0	0	0	2	-	2
SEMS ARCHIVE	0.5	0	0	0	1	-	1
SSTS	0.25	0	1	0	-	-	1
UST	0.25	0	2	4	-	-	6
VCP	0.5	0	0	0	1	-	1

7.1.1 Project Regulatory Database Review

On-Site Regulatory Database Listings		
Facility Name	Facility Address	Databases
Absolute Automotive Service, Inc.	451 & 491 South Arroyo Parkway	HAZNET
Whole Foods #37/Mrs. Gooch's Natural Foods Market DBA Whole Foods	465 South Arroyo Parkway	CERS HAZ, FINDS, HAZNET, RCRA NON GEN
Dona Rosa Bakery and Taqueria	577 South Arroyo Parkway	FINDS
Builders Plus	112 East Bellevue Drive	HAZNET
Discount Tire Centers #022/Bellevue Ventures LLC/Pro Auto Ctr/Belview Center	455 South Arroyo Parkway	LA HMS, HAZNET

On-Site Regulatory Database Listings		
Facility Name	Facility Address	Databases
Crowell & Lyons Equipment, Inc.	495 South Arroyo Parkway	HAZNET, FINDS, RCRA NON GEN
ARCO #0510/Milo Patterson/BP West Coast Products LLC 00510/Patterson ARCO 510/ARCO Products Company	125 East California Boulevard	FINDS, HHSS, HIST MANIFEST, LA HMS, HAZNET, DELISTED TNK, HIST TANK, LUST

Facility Index System (FINDS)

The FINDS database cross-references various federal and state database listings and does not, in and of itself, typically contain environmentally significant information. The FINDS database provides the following pertinent information:

- Facility Name: Whole Foods #37
- Facility Address: 465 South Arroyo Parkway
- Program Cross Referenced: CERS

- Facility Name: Dona Rosa Bakery and Taqueria
- Facility Address: 577 South Arroyo Parkway
- Program Cross Referenced: CERS

- Facility Name: ARCO #0510
- Facility Address: 125 East California Parkway
- Program Cross Referenced: LUST

- Facility Name: Crowell and Lyons Equipment
- Facility Address: 495 South Arroyo Parkway
- Program Cross Referenced: RCRA Gen

The information provided is not indicative of a recognized environmental condition and no further action or investigation is recommended.

HAZNET

A list of hazardous waste manifests received each year by Department of Toxic Substances Control (DTSC). The volume of manifests is typically 900,000 - 1,000,000 annually, representing approximately 450,000 - 500,000 shipments.

HAZNET		
Facility Name	Wastes Generated	Years Generated
Mrs. Gooch's Natural Foods Market (Whole Foods)	Alkaline solution without metals, surplus inorganics, solvent mixture, surplus organics, inorganic solid waste	2014, 2015
ARCO Products Company BP West Coast Products Patterson's Arco 510 Arco Products Company	Hydrocarbon solvents, oil-containing waste, aqueous solution with organic residues	1993, 1994, 1997, 1998, 1999, 2000
Absolute Automotive	NR	NR
Bellevue Ventures LLC	Organic solids, aqueous solution	2007

Discount Tire Centers	Solvent mixture, aqueous solution with organic residues, waste oil	1996, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005
Belview Center	Solvent mixture, aqueous solution with organic residues, waste oil	2006
Pro Auto Center	NR	NR
Crowell and Lyons Equipment	NR	NR
Builders Plus	NR	NR

NR-Not Reported

The information provided in this database is not indicative of a recognized environmental condition and no further action or investigation is recommended.

RCRA Generators

The RCRA Generators database is a listing of facilities that generate, transport, store, treat and/or dispose of hazardous waste and does not necessarily indicate that a release to the environment has occurred. Refer to Section 5.4 for further discussion of wastes currently generated at the Project.

RCRA Generators				
Facility Name	Classification	Violations Noted	Wastes Generated	Years Generated
Crowell and Lyons Equipment	Non-generator	Compliance evaluation	NR	1982-1985
Mrs. Gooch's Natural Foods Market Inc. DBA Whole Foods Market ARR 37	Non-generator	None	NR	2014

NR-Not Reported

The information provided in this database is not indicative of a recognized environmental condition and no further action or investigation is recommended.

CERS HAZ

The California Environmental Reporting System Hazardous Waste Sites (CERS HAZ) database is a list of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the following regulatory programs: Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, RCRA LQ HW Generator. The CalEPA oversees the statewide implementation of the Unified Program which applies regulatory standards to protect Californians from hazardous waste and materials. The CERS HAZ database indicates Whole Foods is a chemical storage facility and a hazardous waste generator with minor violations (e.g., failure to submit update on business plan, failure to submit hazardous material inventory, failure to submit site plan, etc.) reported in December 2015. The facility returned to compliance in March 2016.

Leaking Underground Storage Tank (LUST)

The LUST database is maintained by the individual California Regional California Water Quality Control Boards (RWQCB) to track sites where releases have been reported through the Leaking Underground Storage Tank program. These sites typically include releases related to petroleum products, such as gasoline and diesel fuel. The LUST database provides the following pertinent information:

- Facility Name: ARCO #0510
- Facility Address: 125 East California Boulevard
- Case Type: LUST Cleanup Site
- Release Date: October 10, 1988
- Facility Status: Case Closed

- Status Date: December 3, 2004
- Lead Agency: Los Angeles Regional Water Quality Control Board
- Potential Media Affected: Soil and groundwater
- Potential Contaminants of Concern: Gasoline

Refer to Section 1.1 for further discussion of the LUST database listing for the Project.

HIST MANIFEST

A list of historic hazardous waste manifests received by the DTSC from year the 1980 to 1992. The volume of manifests is typically 900,000 - 1,000,000 annually, representing approximately 450,000 - 500,000 shipments. The Historic Manifest database indicates the former ARCO facility (125 East California Boulevard) generated gas scrubber waste in 1989, contaminated soil from site cleanup in 1990 and 1992, and aqueous solution with total organic residues less than 10 percent in 1992.

HHSS

The Historical Hazardous Substance Storage (HHSS) database contains information collected in the 1980s from facilities that stored hazardous substances. The information was originally collected on paper forms, was later transferred to microfiche, and recently indexed as a searchable database. When using this database, please be aware that it is based upon self-reported information submitted by facilities which has not been independently verified. It is unlikely that every facility responded to the survey and the database should not be expected to be a complete inventory of all facilities that were operating at that time. This database is maintained by the California State Water Resources Control Board's (SWRCB) Geotracker. The HHSS database indicates the former ARCO facility (125 East California Boulevard) had three, 4,000-gallon gasoline USTs installed in 1954, one, 6,000-gallon gasoline UST installed in 1970, one 10,000-gallon gasoline UST installed in 1977, and one 280-gallon waste oil UST with an unknown installation date. The HIST TANK and DELISTED TNK databases appear to cross-reference this information.

LA HMS

List of sites in the Los Angeles County Department of Public Works Hazardous Materials System (LA HMS) Database which have or have had permits for Industrial Waste, Underground Storage Tanks, or Stormwater in the county of Los Angeles. The LA HMS database indicates the Discount Tire Centers site (455 South Arroyo Parkway) had equipment removed and the ARCO site (125 East California Boulevard) site had an underground storage tank operating permit, had underground storage tank equipment removed, and had other equipment removed. No additional detail was provided in this database.

7.1.2 Off-Site Regulatory Database Review

Regulatory database listings which have a reasonable potential to impact the Project are discussed below. This determination is based on, but not limited to, factors such as the topographic gradient in relation to the Project, the estimated groundwater flow direction in the vicinity of the Project, the distance between the listed site and the Project, the type of site or materials involved, and/or whether a release to the environment is known or likely to have occurred.

Home Van Vechten/Derek Bedell Ent. in the Home	
Facility Address:	450 South Arroyo Parkway
Databases:	DRYCLEANERS, FED DRYCLEANERS, EMISSIONS, FINDS, HAZNET, RCRA-SQG
Distance:	Adjacent
Direction:	East
Estimated Groundwater Flow:	South-southeast
Relationship to Project:	Parallel to or away from the Project

Release Reported:	No
Other Significant Database Information:	None
Significant Information from Other Sources:	While this address is technically adjacent, the building is located approximately 100 feet to the east of the northern portion of the Whole Foods tenant space, across a divided highway. Furthermore, if any impacted soil had existed at the Project as the result of this facility it likely would have been encountered and removed during the construction of the existing Whole Foods and below-grade parking structure in 2008. The on-site parking garage also employs a ventilation system in order to removed fumes from the underground levels.
Significant Factors:	Lack of a reported release. Estimated direction of groundwater flow. Estimated depth to groundwater. Lack of current dry cleaning operations.
Conclusion:	Based on the factors discussed above, this facility is unlikely to have impacted the Project and therefore does not represent a recognized environmental condition.
Vapor Migration Concern:	Unlikely

Laundry Partners Limited/Munson & White Company/Tyler Cobleigh	
Facility Address:	432 South Arroyo Parkway
Databases:	DRYCLEANERS, HIST MANIFEST, LA HMS, HAZNET
Distance:	Adjacent
Direction:	Northeast
Estimated Groundwater Flow:	South-southeast
Relationship to Project:	Parallel to or away from the Project
Release Reported:	No
Other Significant Database Information:	None
Significant Information from Other Sources:	While this address is technically adjacent, the building is located approximately 115 feet to the northeast of the northern portion of the Whole Foods tenant space, across a divided highway. Furthermore, if any impacted soil had existed at the Project as the result of this facility it likely would have been encountered and removed during the construction of the existing Whole Foods and below-grade parking structure in 2008. The the on-site parking garage also employs a ventilation system in order to removed fumes from the underground levels.
Significant Factors:	Lack of a reported release. Estimated direction of groundwater flow. Estimated depth to groundwater.
Conclusion:	Based on the factors discussed above, this facility is unlikely to have impacted the Project and therefore does not represent a recognized environmental condition.
Vapor Migration Concern:	Unlikely

Bryan's Cleaners and Dyers	
Facility Address:	544 South Arroyo Parkway

Databases:	DRYCLEANERS, HHSS, HIST TANK, EMISSIONS, FINDS, HIST MANIFEST, LA HMS, HAZNET, RCRA-SQG, FED DRYCLEANERS, CERS HAZ
Distance:	Adjacent
Direction:	East
Estimated Groundwater Flow:	South-southeast
Relationship to Project:	Parallel to or away from the Project
Release Reported:	No
Other Significant Database Information:	None
Significant Information from Other Sources:	While this address is technically adjacent, the building is located approximately 100 feet to the east of the vacant 541 Building, across a divided highway. Review of the HHSS database indicates a UST containing Stoddard (petroleum-based) solvent was installed in 1939. According to AQMD records, this facility used petroleum-based solvent through the 1970s, converted to PCE use in the 1980s and 1990s, and reverted back to petroleum-based solvent in the early 2000s. Soil samples collected at the former Arco facility in the southern portion of the Project in 2002 were analyzed for chlorinated solvents and no contaminants of concern were detected.
Significant Factors:	Removal of the USTs. Current regulatory status. Current solvent used. Estimated direction of groundwater flow. Lack of reported release. Estimated direction of groundwater flow.
Conclusion:	Based on the factors discussed above, this facility is unlikely to have impacted the Project and therefore does not represent a recognized environmental condition.
Vapor Migration Concern:	Unlikely

Arroyo Car Wash Corporation/Lung Chu/Tosco Unocal Dealer/Unocal Service Station #9693	
Facility Address:	605 South Arroyo Parkway
Databases:	UST, CERS TANK, FINDS, HHSS, HIST TANK, FINDS, LA HMS, HAZNET, DELISTED TNK
Distance:	Adjacent
Direction:	South
Estimated Groundwater Flow:	South-southeast
Relationship to Project:	Away from the Project
Release Reported:	No
Other Significant Database Information:	The facility was in compliance at the time of the most recent compliance inspection in 2018.
Significant Information from Other Sources:	Not Applicable
Significant Factors:	Lack of a reported release. Estimated direction of groundwater flow. Estimated depth to groundwater. Current regulatory status.

Conclusion:	Based on the factors discussed above, this facility is unlikely to have impacted the Project and therefore does not represent a recognized environmental condition.
Vapor Migration Concern:	Unlikely

ZAQ Chevron/Chevron Station No. 91410/Bill Barry	
Facility Address:	160 East California Boulevard
Databases:	UST, CERS TANK, FINDS, HHSS, HIST MANIFEST, LA HMS, HIST TANK, HAZNET, RCRA-SQG, EMISSIONS
Distance:	Adjacent
Direction:	Southeast
Estimated Groundwater Flow:	South-southeast
Relationship to Project:	Away from the Project
Release Reported:	No
Other Significant Database Information:	The facility was in compliance at the time of the most recent reported compliance inspection in 2017.
Significant Information from Other Sources:	Not Applicable
Significant Factors:	Lack of a reported release. Estimated direction of groundwater flow. Estimated depth to groundwater. Current regulatory status.
Conclusion:	Based on the factors discussed above, this facility is unlikely to have impacted the Project and therefore does not represent a recognized environmental condition.
Vapor Migration Concern:	Unlikely

U-Haul Corporation/Pasadena Moving Center	
Facility Address:	552 South Raymond Avenue
Databases:	CHMIRS, HHSS, HIST TANK, ALT FUELS, CERS HAZ, FINDS, HIST MANIFEST, HAZNET
Distance:	Adjacent
Direction:	West
Estimated Groundwater Flow:	South-southeast
Relationship to Project:	Parallel to the Project
Release Reported:	Yes
Release Date:	May 14, 2014
Contaminant(s) of Concern:	Propane
Media Impacted:	Air (vapor)
Regulatory Status of Release:	Cleaned up
Regulatory Status Date:	May 14, 2014

Other Significant Database Information:	Storage tank valve leaked causing the release. Fire Department on the scene, contractor en route for containment and cleanup. The spill report indicates a vapor release.
Significant Information from Other Sources:	Not Applicable
Significant Factors:	Current regulatory status. Nature of the release. Removal of the petroleum source.
Conclusion:	Based on the factors discussed above, this facility is unlikely to have impacted the Project and therefore does not represent a recognized environmental condition.
Vapor Migration Concern:	Unlikely

Southern California Public Radio/Jurgensens Grocery Company/Image of Ink	
Facility Address:	474-494 South Raymond Avenue
Databases:	LUST, HIST MANIFEST, HAZNET, CERS HAZ, CERS TANK, FINDS, HHSS, LA HMS, HIST TANK
Distance:	Adjacent
Direction:	West
Estimated Groundwater Flow:	South-southeast
Relationship to Project:	Parallel to or towards the Project
Release Reported:	Yes
Release Date:	June 19, 2009
Contaminant(s) of Concern:	Not reported
Media Impacted:	Not reported
Regulatory Status of Release:	Completed - Case Closed
Regulatory Status Date:	October 9, 2009
Other Significant Database Information:	This site currently operates an AST. The facility was found to be in compliance during an April 2018 compliance inspection.
Significant Information from Other Sources:	A copy of the No Further Action letter is included in Appendix F.
Significant Factors:	Current regulatory status. Estimated depth to groundwater. Lack of reported groundwater contamination. Length of time that has passed since closure was granted.
Conclusion:	Based on the factors discussed above, this facility is unlikely to have impacted the Project and therefore does not represent a recognized environmental condition.
Vapor Migration Concern:	Unlikely

7.1.3 Vapor Migration

Indoor air quality concerns are generally excluded from the scope of ASTM E1527-13 and this assessment. However, the migration of vapors caused by a release of hazardous substances or petroleum products to the environment can represent a recognized environmental condition in certain conditions.

For the purposes of this assessment, the potential for migrating vapors to represent a recognized environmental condition was evaluated using a limited screening method based on technical guidance documents from the US EPA and *ASTM E2600-15 Standard Guide for Vapor Encroachment Screening on Property Involved in Real Estate Transactions*. In addition, screening tools created by regulatory agencies may be used to evaluate the significance of a release with respect to the vapor migration and/or vapor intrusion potential. EMG's vapor migration screening is not a human health risk assessment and is not intended to comply with regulatory requirements that might exist for the evaluation of vapor migration.

Based on the review of regulatory database records in Section 7.1.1 and 7.1.2, no vapor migration concerns were identified.

7.2 Local Agency Records

The following additional environmental records were reviewed to supplement the standard environmental record sources discussed in Sections 7.1.1 and 7.1.2.

Reasonably ascertainable records for the Project may be reviewed for evidence of recognized environmental conditions and other environmental concerns such as underground storage tanks, significant hazardous materials use, the presence of septic systems, and/or the presence of wells.

In the case of pending requests, upon receipt and review any significant information not identified through other sources will be provided to the Client.

Building Department	
Name of Agency:	City of Pasadena Building and Safety Department
Contact Name/Telephone:	Jackie Adkins, Permit Technician/626.744.4150
Review Method:	Telephone interview and online records review
Records Date Back To:	1920s - Current
Summary of Records Reviewed:	General permits were on file and included information indicating the current buildings were constructed in 1921, 1925, 1951, 2003 and 2008.
Environmentally Significant Information:	A permit, dated 2015, was issued to install a grease interceptor at 465 South Arroyo Parkway. Various permits, dated 1998, 1999 and 2007, were on file that reference an auto detailing shop at 491 South Arroyo Parkway. Permits, dated 1988 and 2002, were on file to remove five USTs, to install a temporary vapor extraction system, and demolish a service station at 125 East California Boulevard.

Fire Department	
Name of Agency:	City of Pasadena Fire Department
Contact Name/Telephone:	Records Request/626.744.4655
Review Method:	Not Applicable
Records Date Back To:	Not Applicable
Summary of Records Reviewed:	No response has been received to date. However, based on review of other historical and regulatory resources, it is not anticipated the information from this agency, if any, would significantly alter the findings and conclusions of this report. Upon receipt and review, any environmentally significant information not identified through other sources will be provided to the Client.
Environmentally Significant Information:	Not anticipated

Planning/Zoning Department	
Name of Agency:	City of Pasadena Planning Department
Contact Name/Telephone:	Martin Potter, Planner/626.744.6710
Review Method:	Telephone interview and online records review.
Records Date Back To:	2005 - Current
Current Zoning:	CD-6 - Central District-6
Historical Zoning:	The Project has maintained the current zoning since at least 2005.
Environmentally Significant Information:	None identified

8.0 ASTM E1527 Non-Scope Considerations

The items discussed in this section are outside the scope of ASTM E1527-13. These are included at the discretion of the user based upon the scope of work.

8.1 Asbestos

In accordance with the scope of work, EMG performed a screening to document the presence of known and/or suspect asbestos containing materials (ACM) at the Project. This screening approach is not a comprehensive (i.e., AHERA-Style) asbestos survey, nor is it intended to fulfill the NESHAP requirements for demolition or renovation purposes. All materials listed in Appendix G of the United States Environmental Protection Agency (USEPA) publication Managing Asbestos in Place (the "Green Book") are considered suspect.

Some non-friable building products, such as sheet vinyl floor tile, vinyl floor tile, floor tile mastic, asbestos-cement board, and roofing materials can still be manufactured with asbestos and installed in the United States. However, U.S. manufacturers have largely excluded asbestos fibers from their building products since 1981. In addition to a visual assessment, EMG reviewed provided documentation to determine if asbestos has been previously documented at the Project.

Suspect Asbestos Containing Materials		
Material	Friable	Condition
Roofing materials	No	Good
Ceiling tile	Yes	Poor to Good
Wallboard/joint compound	No	Good
Vinyl composition tile	No	Poor to Good
Vinyl sheet flooring	No	Good
Mastic	No	Good

Based on the scope of work, sampling of suspect asbestos containing materials was not performed. Refer to Section 1.1 for further discussion.



Damaged vinyl floor tile in second floor of 577 Building

8.2 Radon Gas

Radon originates from the natural (radioactive) breakdown of uranium in soil, rock, and water and is the second leading cause of lung cancer in the United States. Radon can move up through the ground and into living spaces through cracks and other holes in the foundation. The USEPA has developed the EPA Map of Radon Zones to assist National, State, and local organizations in implementing radon-resistant building codes. This map assigns each county in the U.S. to one of three zones based on radon potential. The USEPA uses a continuous exposure level of 4.0 pCi/L (picoCuries per liter of air) as an action level at which additional action is recommended.

The USEPA Radon Zones are defined as:

- Zone 1 (Highest potential) - Average indoor radon screening level greater than 4 pCi/L
- Zone 2 (Moderate potential) - Average indoor radon screening level between 2 and 4 pCi/L.
- Zone 3 (Lowest potential) - Average indoor radon screening level less than 2 pCi/L.

For the purposes of this assessment, the radon zone and the use of the Project have been used to determine the level of risk associated with radon. However, the USEPA and the Surgeon General recommend testing all homes for radon, regardless of geographic location.

The property is located in USEPA Radon Zone 2.

Radon sampling was not performed based on the non-residential use of the Project and the Scope of Work. No further action or investigation is recommended regarding radon.

8.3 Lead-Based Paint

All paint applied prior to 1978 is considered suspect. The basis for this determination is taken from the Lead Paint Poisoning Act passed by the Congress of the United States that banned the use of lead paint starting January 1, 1978. This screening approach does not comply with Requirements for Disclosure of Known Lead-Based Paint and/or Lead-Based Paint Hazards in Housing. This approach does not constitute a pre-occupancy survey or the basis of attainment of "Lead Free" certification.

Considering the dates of construction (1921, 1925, 1951, 2003 and 2008), there is a potential that the paint at the Project is lead-based. The painted surfaces were observed to be in generally good condition, with no chipping, peeling, or cracking paint observed. Furthermore, the Project is not a residential use and there is no regulatory requirement to sample suspected lead-based painted surfaces at this time. Therefore, no samples were collected. No further action or investigation is recommended regarding lead-based paint.

8.4 Lead in Drinking Water

Lead is commonly used in household plumbing materials and water service lines. Exposure to lead in drinking water above the USEPA action level can result in adverse health effects in children and adults. Lead is rarely found in source water, but enters tap water through corrosion of plumbing materials. Homes built before 1986 are more likely to have lead pipes, fixtures and solder. The most common problem is with brass or chrome-plated brass faucets and fixtures which can leach significant amounts of lead into the water. The USEPA action level for lead-in-drinking water is 15 parts per billion (ppb).

According to information from the local water utility, the water supplied to the Project is within federal, state, and local drinking water quality standards. No further action or investigation is recommended regarding lead in drinking water at the Project.

8.5 Moisture Conditions

EMG performed a limited visual and olfactory assessment for evidence of moisture conditions in readily accessible interior areas of the Project. In addition, the Key Site Manager was interviewed regarding the presence of current and historical moisture conditions. This assessment was not designed to discover all areas which may be affected by moisture conditions. Rather, it is intended to provide an indication of significant moisture conditions observed during the site visit. Moisture conditions may be present in areas not observed,

such as pipe chases, HVAC systems, and behind enclosed walls and ceilings. De minimis moisture conditions, such as small, isolated, water stains on ceiling tiles, and mildew at bathtubs and sinks are considered to be routine maintenance issues and are not addressed in this Report.

Observed Moisture Conditions		
Location	Approximate SF	Observed Condition
499/511 Building	320	Standing water was observed on the ground floor and in the basement areas and evidence of moisture conditions was observed on the walls and ceiling tiles
577 Building	20	Evidence of moisture conditions was observed on the second floor ceiling tiles

Refer to Section 1.1 for further discussion of the moisture conditions discussed above.



Moisture condition in ground floor of 499 Building



Moisture condition in basement of 499 Building



Moisture condition in basement of 499 Building



Evidence of moisture condition in second floor ceiling of 577 Building



Evidence of moisture condition in second floor ceiling of 577 Building

8.6 Wetlands

For regulatory purposes under the Clean Water Act, wetlands are "those areas that are inundated or saturated by surface or groundwater at a frequency and duration sufficient to support, and that under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions. Wetlands generally include swamps, marshes, bogs and similar areas." A wetlands delineation is beyond the scope of this assessment. However, review of National Wetlands Inventory (NWI) data, provided by the PSR and/or the United States Fish and Wildlife Service, indicated the following:

Wetlands Review	
Project	Adjoining Properties
Review of the NWI data did not identify any wetlands.	Review of the NWI data did not identify any wetlands.

No wetlands were identified. No further action or investigation is recommended regarding wetlands.

8.7 Flood Zone

FEMA identifies flood hazards, assesses flood risks and partners with states and communities to provide accurate flood hazard and risk data to guide them to mitigation actions. Flood hazard mapping is the basis for the National Flood Insurance Program (NFIP) and flood insurance requirements. FEMA maintains and updates data through Flood Insurance Rate Maps (FIRMs) and risk assessments. FIRMs include statistical information such as data for river flow, storm tides, hydrologic/hydraulic analyses and rainfall and topographic surveys. Review of the FIRM available from the PSR and/or from the FEMA website indicated the following:

Flood Zone Map Review		
Map Date	Area	Project Flood Zone
September 26, 2008	Entire Project	Zone X (unshaded), minimal risk areas outside the one percent and 0.2 percent annual chance floodplains. No base flood elevations or base flood depths are shown within these zones.

The flood zone designation is provided for informational purposes only. A determination of the need for flood insurance is beyond the scope of this assessment.

9.0 Limitations, Key Terms, and References

9.1 Limitations

The opinions EMG expresses in this report were formed utilizing the degree of skill and care ordinarily exercised by any prudent Environmental Professional in the same community under similar circumstances. EMG assumes no responsibility or liability for the accuracy of information contained within this report that has been obtained from the Client or the Client's representatives, from other interested parties, or from the public domain. The conclusions presented represent EMG's professional judgment based on information obtained during the course of this assignment.

Factual information regarding operations, conditions, and test data provided by the Client or the Client's representative has been assumed to be correct and complete. The conclusions presented within this report are based on the data provided, observations made, and conditions that existed specifically on the date of the assessment.

EMG's ESA cannot wholly eliminate the uncertainty regarding the presence of recognized environmental conditions and environmental business risk. The report is intended to reduce, but not eliminate, uncertainty regarding the potential for recognized environmental conditions in connection with the Project. The report is limited in budget and scope. The nature of subsurface soil and ground water at the Project cannot be confirmed, given the limited budget and scope of this ESA. The report is not and should not be considered a warranty or guarantee about the presence or absence of environmental contaminants which might affect the Project. It should be understood that EMG's suggested remedy may be determined under time constraints or may be formed without the aid of engineering calculations, testing, exploratory probing, the removal of materials, or design. Furthermore, there may be other alternate or more appropriate schemes or methods to remedy the noted environmental conditions.

9.2 References

References are listed below. Additional references may be present within the applicable report sections.

Physical Setting

7 1/2 minute USGS Topographic Quadrangle (included in Appendix C)

1:2,500,000 scale Geology of the Conterminous United States map published by the USGS and dated 1974

Natural Resources Conservation Service (NRCS) Web Soil Survey

Physical Setting Report, ERIS Information, Inc. (included in Appendix H)

Regulatory Records

Database Report, ERIS Information, Inc. (included in Appendix H)

Key Site Manager Interview

Key Site Manager Questionnaire, (included in Appendix D)

Historical References

Standard Historical Sources		
Data Type	Source	Years Covered
Aerial Photographs:	Environmental Risk Information Services (ERIS)	1928, 1934, 1938, 1944, 1949, 1956, 1964, 1972, 1980, 1988, 1994, 2002, 2005, 2010, 2012, 2014, 2016
Fire Insurance (Sanborn) Maps:	ERIS	1890, 1894, 1903, 1910, 1931, 1950, 1970
USGS Topographic Maps:	ERIS	1894, 1896, 1900, 1928, 1940, 1953, 1966, 1972, 1988, 1995, 2015
Local Street Directories:	ERIS	1921, 1924, 1928, 1933, 1937, 1940, 1943, 1947, 1951, 1955, 1960, 1965, 1970, 1975, 1979, 1985, 1990, 1995-96, 2000-01, 2005-06, 2012, 2018
Building Department Records:	City of Pasadena Building and Safety Department	1920s - Current
Fire Department Records:	City of Pasadena Fire Department	Not applicable
Zoning/Land Use Records:	City of Pasadena Planning Department	2005 - Current
Property Tax Files and Land Title Records:	Los Angeles County Assessor	2002 - Current
Key Site Manager Interview:	Pre-Survey Questionnaire	2018 - Current
Oil and Gas Well Map:	ERIS	Current
Previous Environmental Reports:	Refer to Section 6.3	Refer to Section 6.3
Other Historical Sources:	Not applicable	Not applicable

9.3 Key Terms

Business environmental risk - A risk which can have a material environmental or environmentally-driven impact on the business associated with the current or planned use of a parcel of commercial real estate, not necessarily limited to those environmental issues required to be investigated in this practice. Consideration of business environmental risk issues may involve addressing one or more non-scope considerations. For the purposes of this assessment, a significant business environmental risk is both included in the agreed upon scope of work and requires further action at this time.

Controlled recognized environmental condition - A recognized environmental condition resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority (for example, as evidenced by the issuance of a no further action letter or equivalent, or meeting risk-based criteria established by regulatory authority), with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls).

Data gap - The lack of or inability to obtain information required by ASTM E 1527-13 despite good faith efforts is considered a data gap. A data gap is considered significant if it affects the ability of the environmental professional to identify recognized environmental conditions.

De minimis condition - A condition that generally does not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. Conditions determined to be de minimis conditions are not recognized environmental conditions nor controlled recognized environmental conditions.

Environmental Professional - A person meeting the education, training, and experience requirements set forth in 40 CFR 312.10(b).

Historical recognized environmental condition - A past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted residential use criteria established by a regulatory authority, without subjecting the property to any required controls (e.g. property use restriction, AULS, institutional controls, or engineering controls), at the time the Phase I ESA is conducted (e.g., if there has been a change in the regulatory criteria). If the EP considers this past release to be a REC at the time the Phase I ESA is conducted, the condition shall be included in the conclusion section of the report as a REC.

Material threat - A physically observable or obvious threat which is reasonably likely to lead to a release that, in the opinion of the environmental professional, is threatening and might result in impact to public health or the environment.

Practically reviewable - Information that is provided by the source in a manner and in a form that, upon examination, yields information relevant to the property without the need for extraordinary analysis of irrelevant data.

Release - Any spilling, leaking, pumping, pouring, emitting, emptying, discharging, injecting, escaping, leaching, dumping, or disposing into the environment (including the abandonment or discarding of barrels, containers, and other closed receptacles containing any hazardous substance or pollutant or contaminant), with certain exclusions as defined in 42 U.S.C. 9601 (22).

Reasonably ascertainable - Information that is publicly available, obtainable from its source within reasonable time and cost constraints, and practically reviewable.

Recognized environmental condition - The presence or likely presence of any hazardous substances or petroleum products in, on, or at a property 1) due to any release to the environment; 2) under conditions indicative of a release to the environment; or 3) under conditions that pose a material threat of a future release to the environment. De minimis conditions are not recognized environmental conditions.

Standard environmental record sources - Environmental records contained in various regulatory databases, with search distances defined by ASTM E1527-13, unless otherwise specified by client in the scope of work.

Standard historical sources - Reasonably ascertainable records, including aerial photographs, fire insurance maps, property tax files, recorded land title records, USGS topographic maps, local street directories, building department records, and zoning/land use records.

Appendix A: Photographs



#1	PROJECT OVERVIEW
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#2	EAST ELEVATION OF PROJECT
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#3	EAST ELEVATION OF PROJECT
----	---------------------------



#4	EAST-SOUTHEAST ELEVATION OF PROJECT
----	-------------------------------------



#5	NORTHEAST ELEVATION OF 441-483 BUILDING (WHOLE FOODS)
----	---



#6	NORTHWEST ELEVATION OF 441-483 BUILDING (WHOLE FOODS)
----	---



#7	EAST ELEVATION OF 441-483 BUILDING (WHOLE FOODS)
----	--



#8	SOUTH ELEVATION OF 441-483 BUILDING (WHOLE FOODS)
----	---



#9	NORTHEAST ELEVATION OF 485-497 BUILDING (K9 LOFT)
----	---



#10	EAST ELEVATION OF 485-497 BUILDING (K9 LOFT)
-----	--



#11	NORTHWEST ELEVATION AND ASSOCIATED PARKING AREA OF 485-497 BUILDING (K9 LOFT)
-----	---



#12	EAST ELEVATION OF 499/511 BUILDING
-----	------------------------------------



#13	SOUTH ELEVATION OF 499/511 BUILDING
-----	-------------------------------------



#14	SOUTHEAST ELEVATION OF 499/511 BUILDING
-----	---



#15	PARKING AREA SOUTH OF 499/511 BUILDING (APPROXIMATE LOCATION OF FORMER "GASOL PUMP")
-----	--



#16	EAST ELEVATION OF 501 BUILDING
-----	--------------------------------



#17	SOUTHEAST ELEVATION OF 501 BUILDING
-----	-------------------------------------



#18	NORTH ELEVATION OF 523 BUILDING
-----	---------------------------------



#19 EAST ELEVATION OF 523 BUILDING



#20 WEST ELEVATION OF 523 BUILDING



#21 PARKING AREA WEST OF 523 BUILDING



#22 EAST-SOUTHEAST ELEVATION OF 541 BUILDING



#23 SOUTH ELEVATION OF 541 BUILDING



#24 WEST ELEVATION OF 541 BUILDING



#25 PARKING AREA SOUTH OF 541 BUILDING



#26 PARKING AREA WEST OF 541 BUILDING



#27 NORTH ELEVATION OF 577 BUILDING



#28 SOUTHEAST ELEVATION OF 577 BUILDING



#29 SOUTH ELEVATION OF 577 BUILDING



#30 WEST ELEVATION OF 577 BUILDING



#31	PARKING AREA NORTH OF 577 BUILDING
-----	------------------------------------



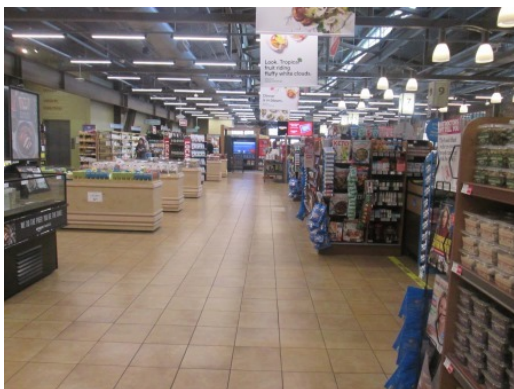
#32	PARKING AREA WEST OF 577 BUILDING
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#33	PARKING AREA ON SOUTHWEST PORTION OF PROJECT
-----	--



#34	PARKING AREA ON WEST-SOUTHWEST PORTION OF PROJECT
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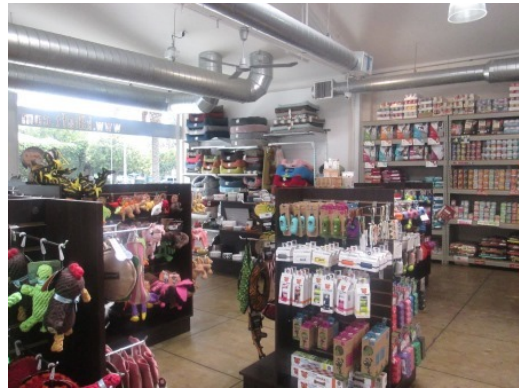
#35	WHOLE FOODS STORE INTERIOR (441-483)
-----	--------------------------------------



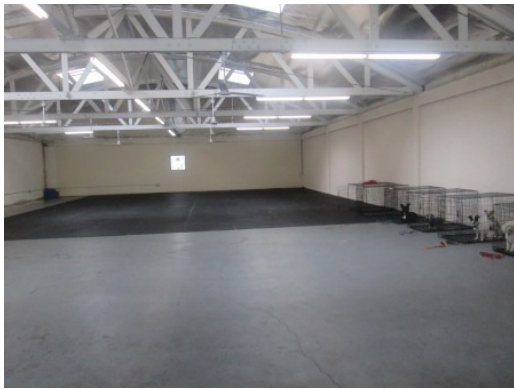
#36	WHOLE FOODS OFFICE SPACE (441-483)
-----	------------------------------------



#37	WHOLE FOODS PARKING GARAGE (441-483)
-----	---



#38	K9 LOFT STORE INTERIOR (485-497)
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#39	K9 LOFT DOG PLAY AREA (485-497)
-----	---------------------------------



#40	499/511 BUILDING INTERIOR
-----	---------------------------



#41	499/511 BUILDING INTERIOR
-----	---------------------------



#42	499/511 BUILDING BASEMENT INTERIOR
-----	------------------------------------



#43	ENCOMPASS WELLNESS PATIENT TREATMENT ROOM (501)
-----	---



#44	TOWN AND COUNTY INTERIOR (523)
-----	--------------------------------



#45	541 BUILDING INTERIOR
-----	-----------------------



#46	541 BUILDING KITCHEN
-----	----------------------



#47	577 BUILDING INTERIOR
-----	-----------------------



#48	577 BUILDING KITCHEN
-----	----------------------



#49	577 BUILDING SECOND FLOOR INTERIOR
-----	------------------------------------



#50	TYPICAL JANITORIAL SUPPLY STORAGE IN TENANT SPACES
-----	--



#51	JANITORIAL SUPPLY STORAGE AT WHOLE FOODS
-----	--



#52	MAINTENANCE SUPPLY STORAGE AT WHOLE FOODS
-----	---



#53	VAULTED TRANSFORMER ON NORTHWEST EXTERIOR OF 441-483 BUILDING
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#54	VAULTED TRANSFORMER ON WESTERN EXTERIOR OF 577 BUILDING
-----	---



#55	HYDRAULIC ELEVATOR EQUIPMENT IN PARKING GARAGE
-----	--



#56	HYDRAULIC ELEVATOR EQUIPMENT IN PARKING GARAGE
-----	--



#57	HYDRAULIC LIFT EQUIPMENT IN THE BASEMENT OF THE 499 BUILDING
-----	--



#58	HYDRAULIC BOX BALER
-----	---------------------



#59	DUMPSTERS
-----	-----------



#60	RETAIL WASTE STORAGE IN WHOLE FOODS (441-483)
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#61	BELOW-GRADE GREASE TRAP ON WESTERN EXTERIOR OF 541 BUILDING
-----	--



#62	BELOW-GRADE GREASE TRAP ON NORTHERN EXTERIOR OF 577 BUILDING
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#63	GREASE TRAP IN PARKING GARAGE OF 441-483 BUILDING (WHOLE FOODS)
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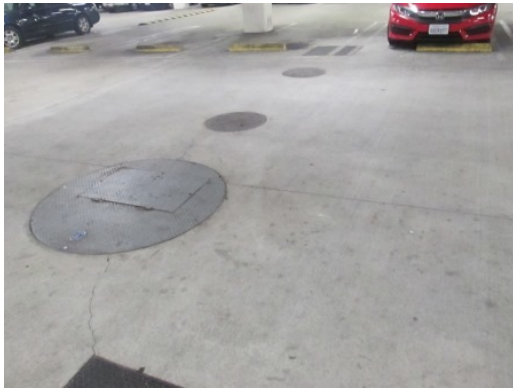
#64	GREASE TRAP IN PARKING GARAGE OF 441-483 BUILDING (WHOLE FOODS)
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#65	EMPTY GREASE BIN ON WESTERN EXTERIOR OF 541 BUILDING
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#66	DRUM LABELED AS NON-HAZARDOUS SOIL CUTTINGS ON WESTERN EXTERIOR OF 577 BUILDING
-----	---



#67	SUMP AND OIL-WATER SEPARATOR IN PARKING GARAGE OF 441-483 BUILDING
-----	--



#68	EVIDENCE OF FORMER SOIL BORING ON WESTERN EXTERIOR OF 577 BUILDING
-----	--



#69	OPEN PIPE ON NORTHWEST CORNER OF 441-483 BUILDING (WHOLE FOODS)
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#70	WATER HEATER
-----	--------------



#71	ADJACENT NORTH ARROYO PARKWAY SELF STORAGE
-----	--



#72	ADJACENT NORTHEAST SNYDER DIAMOND AND LIFESTYLE OUTDOOR RETAIL STORES
-----	---



#73	ADJACENT EAST MIXED-USED BUILDING AND CISCO HOME STORE
-----	--



#74	ADJACENT EAST-SOUTHEAST GRANNY'S PANTRY AND BRYAN'S CLEANERS AND LAUNDRY
-----	--



#75	ADJACENT SOUTHEAST CHEVRON SERVICE STATION
-----	--



#76	ADJACENT SOUTH VALERO SERVICE STATION CAR WASH AND AUTO REPAIR
-----	--



#77	ADJACENT WEST RAILROAD TRACKS AND PLATI GERMAN CAR SERVICE
-----	--



#78	ADJACENT WEST RAILROAD TRACKS AND U-HAUL FACILITY
-----	---



#79	DAMAGED VINYL FLOOR TILE IN SECOND FLOOR OF 577 BUILDING
-----	--



#80	MOISTURE CONDITION IN GROUND FLOOR OF 499 BUILDING
-----	--



#81	MOISTURE CONDITION IN BASEMENT OF 499 BUILDING
-----	--



#82	MOISTURE CONDITION IN BASEMENT OF 499 BUILDING
-----	--

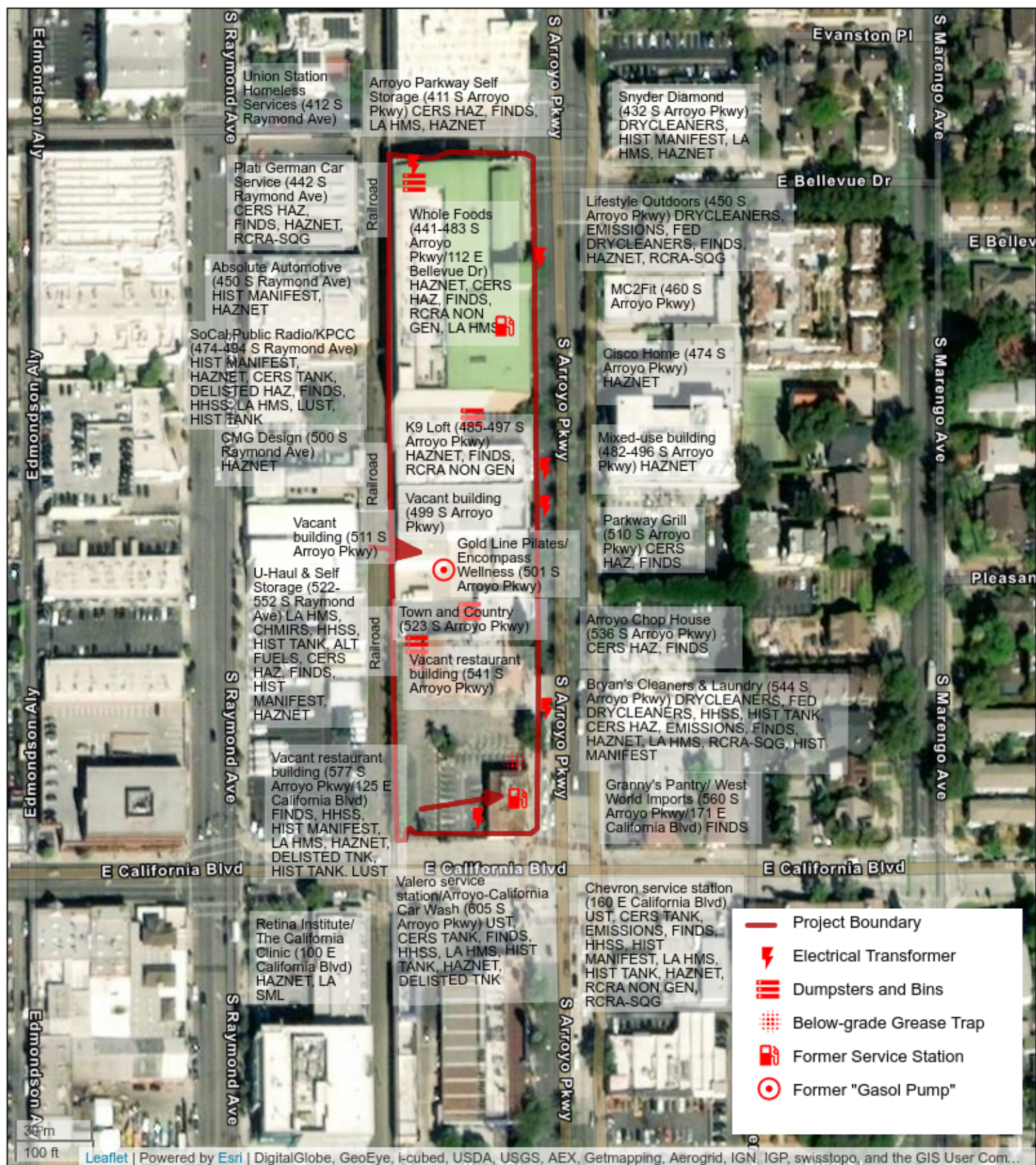


#83	EVIDENCE OF MOISTURE CONDITION IN SECOND FLOOR CEILING OF 577 BUILDING
-----	--



#84	EVIDENCE OF MOISTURE CONDITION IN SECOND FLOOR CEILING OF 577 BUILDING
-----	--

Appendix B: Field Sketch



Field Sketch

465, 491, 503, 525 & 577 South Arroyo Parkway

465, 491, 503, 525 & 577 South Arroyo Parkway

Pasadena, California

EMG Project #: 136895.19R000-001.135



Appendix C: Maps and Aerial Photographs

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- Tax Map



Tax Map

465,491,503,525 & 577 South Arroyo Parkway

465,491,503,525 & 577 South Arroyo Parkway

Pasadena, California

EMG Project #: 136895.19R000-001.135



- Aerial Photographs



Date: 1928
Source: FAIRCHILD
Scale: 1" to 500'
Comments:



Subject: 465,491,503,525 & 577 South Arroyo Parkway Pasadena CA
Approx Center: 34.13708 / -118.1477

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Date: 1938
Source: ASCS
Scale: 1" to 500'
Comments:



Subject: 465,491,503,525 & 577 South Arroyo Parkway Pasadena CA
Approx Center: 34.13708 / -118.1477

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Date: 1964
Source: USGS
Scale: 1" to 500'
Comments:



Subject: 465,491,503,525 & 577 South Arroyo Parkway Pasadena CA
Approx Center: 34.13708 / -118.1477

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Date: 2005
Source: NAIP
Scale: 1" to 500'
Comments:



Subject: 465,491,503,525 & 577 South Arroyo Parkway Pasadena CA
Approx Center: 34.13708 / -118.1477

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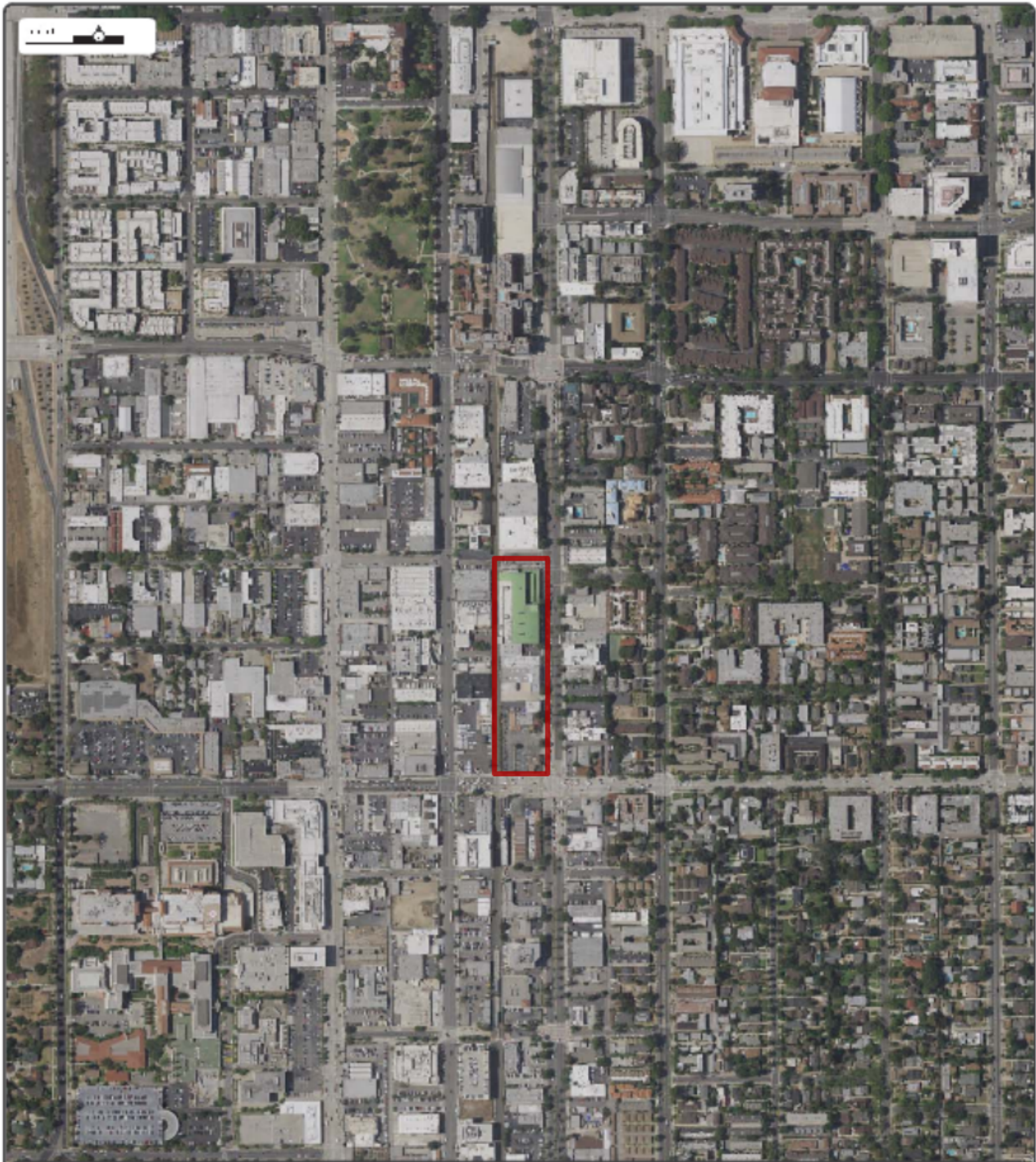


Date: 2010
Source: NAIP
Scale: 1" to 500'
Comments:



Subject: 465,491,503,525 & 577 South Arroyo Parkway Pasadena CA
Approx Center: 34.13708 / -118.1477

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Date: 2016
Source: NAIP
Scale: 1" to 500'
Comments:



Subject: 465,491,503,525 & 577 South Arroyo Parkway Pasadena CA
Approx Center: 34.13708 / -118.1477

engineering | environmental | capital planning | project management

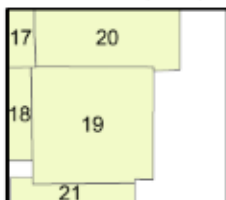
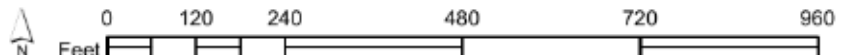
- Fire Insurance Maps

Fire Insurance Map



1890

Address: 465,491,503,525 & 577 South Arroyo Parkway, Pasadena, CA



Map sheet(s):
Volume NA:19,20,21;

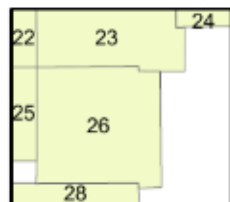
Order Number 20171221094

Fire Insurance Map

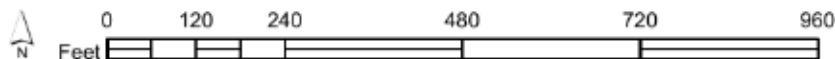


1894

Address: 465,491,503,525 & 577 South Arroyo Parkway, Pasadena, CA

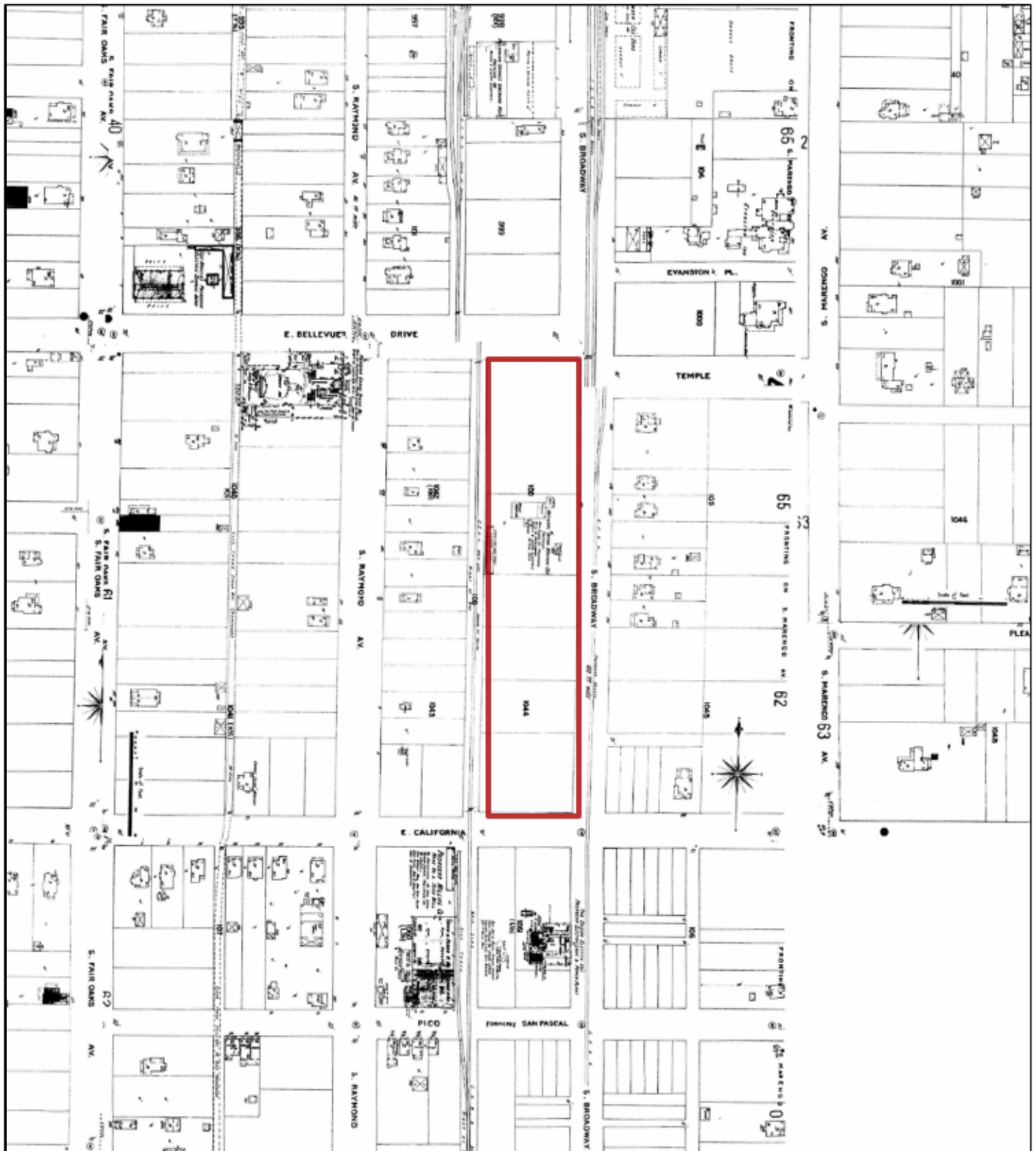


Map sheet(s):
Volume NA:23,26,28;



Order Number 20171221094

Fire Insurance Map

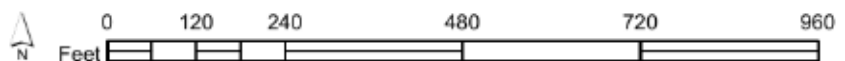


1903

Address: 465,491,503,525 & 577 South Arroyo Parkway, Pasadena, CA

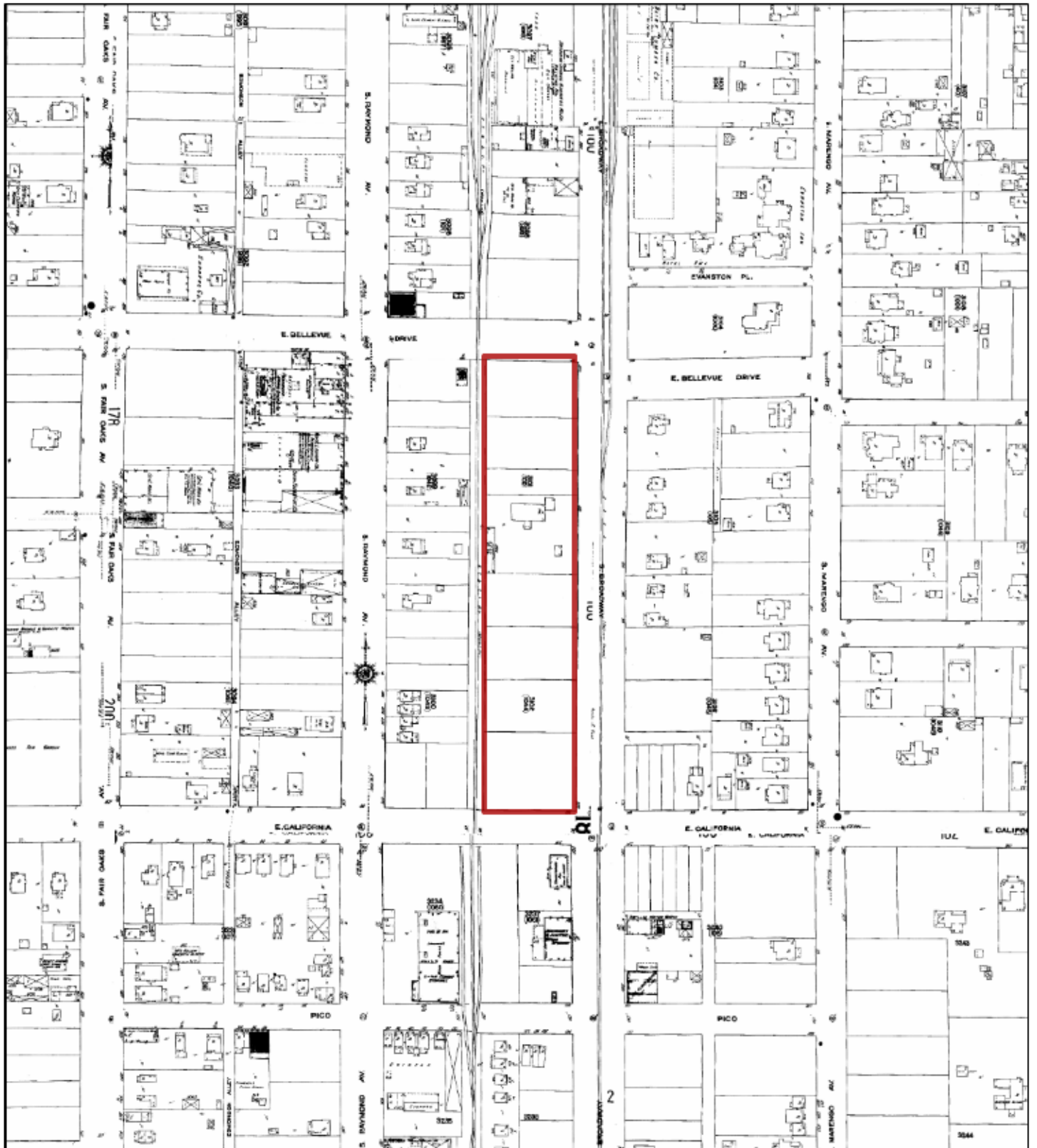
40	42	65
61	63	62B
62A	64	

Map sheet(s):
Volume NA:42,62,63,64,65;



Order Number 20171221094

Fire Insurance Map



1910

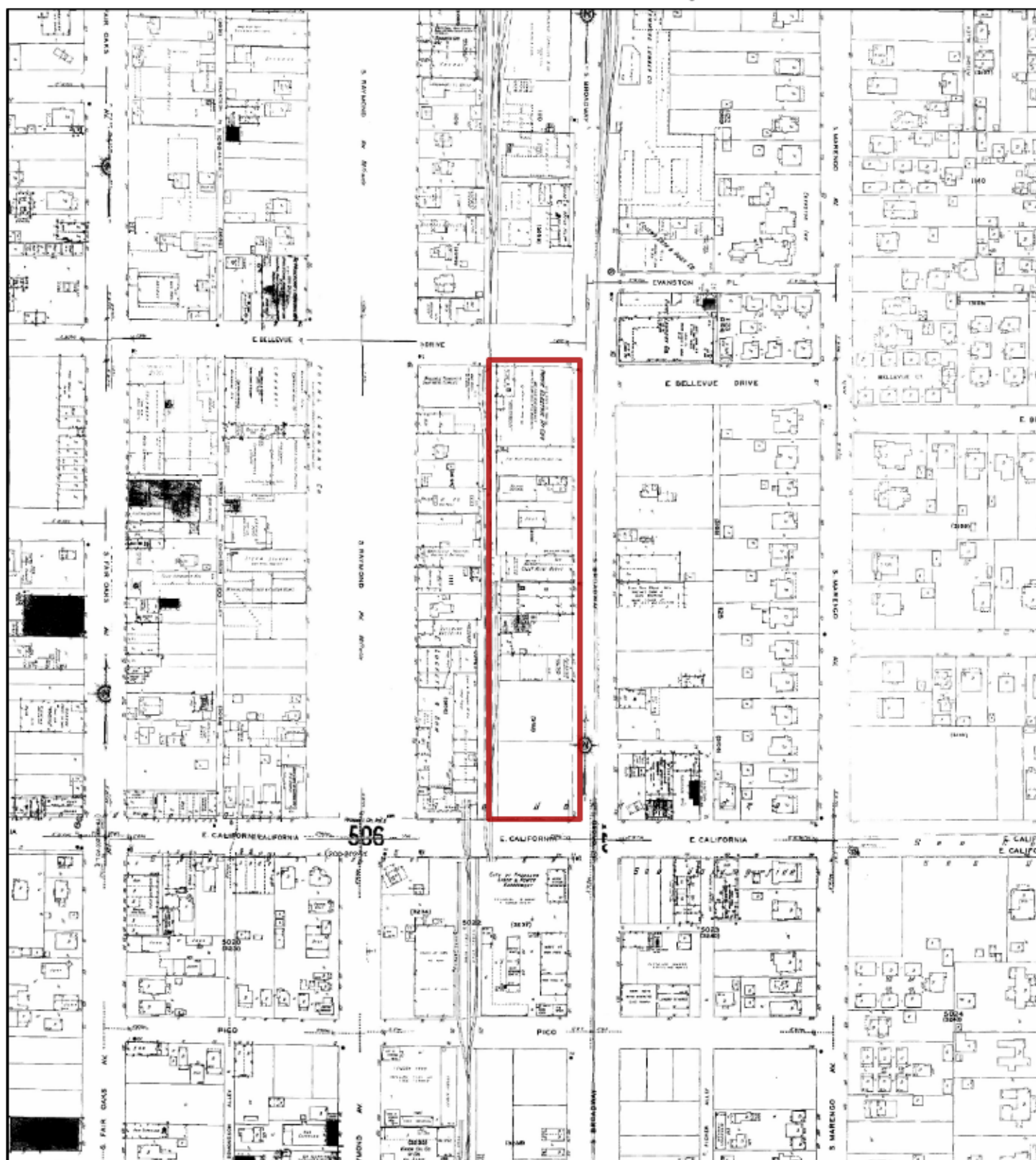
Address: 465,491,503,525 & 577 South Arroyo Parkway, Pasadena, CA

177	179A	160A	181
178A			
	180A	160B	182
200			
	203		204

Map sheet(s):
Volume 2:160,179,180,181,182,203,204;

Order Number 20171221094

Fire Insurance Map



1931

Address: 465,491,503,525 & 577 South Arroyo Parkway, Pasadena, CA

115	119	122A	135
116	120	122B	143
506	507	508	

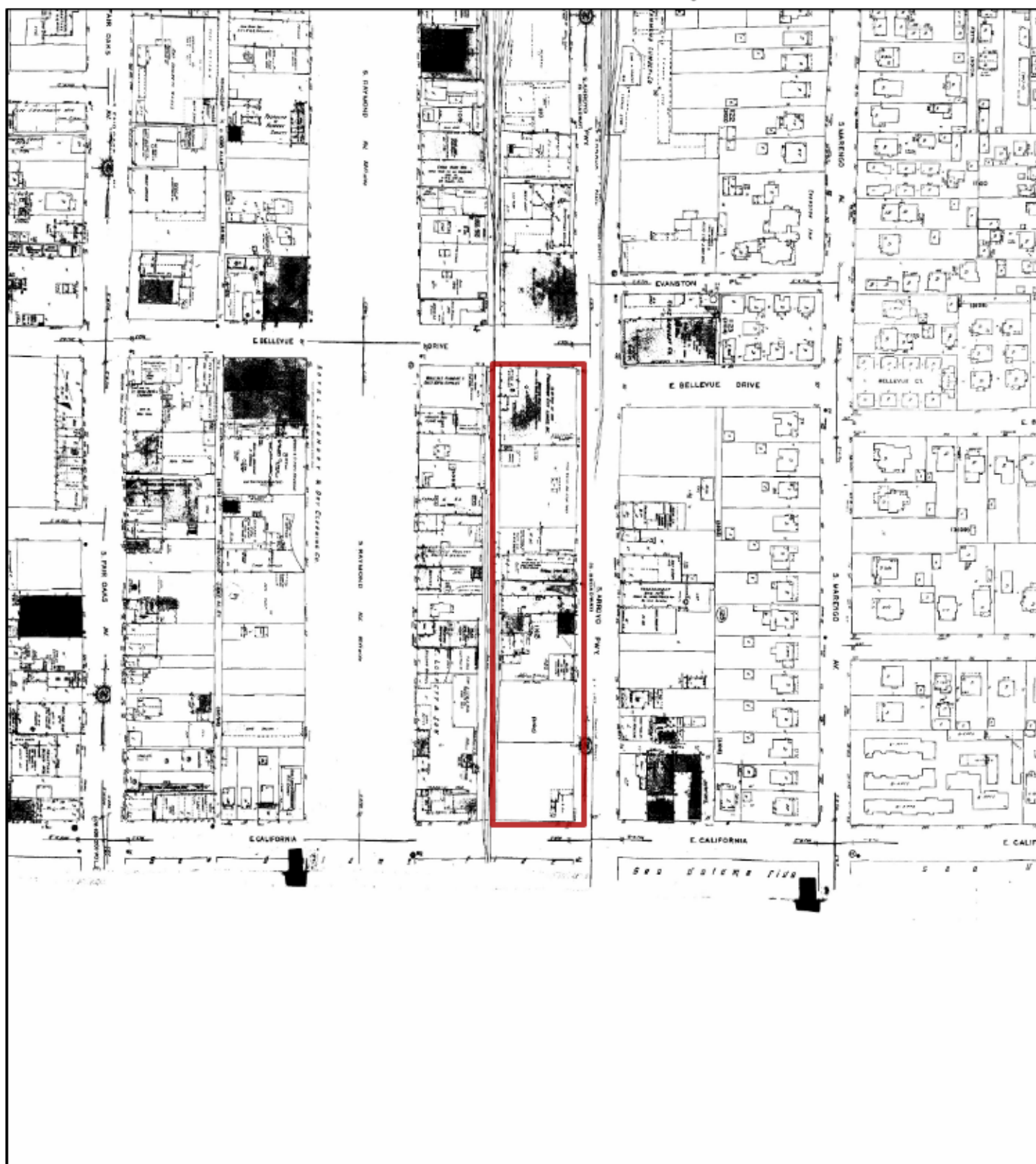
Map sheet(s):

Volume 1:119,120,122,135,143;

Volume 5:506,507,508;

Order Number 20171221094

Fire Insurance Map



1950

Address: 465,491,503,525 & 577 South Arroyo Parkway, Pasadena, CA



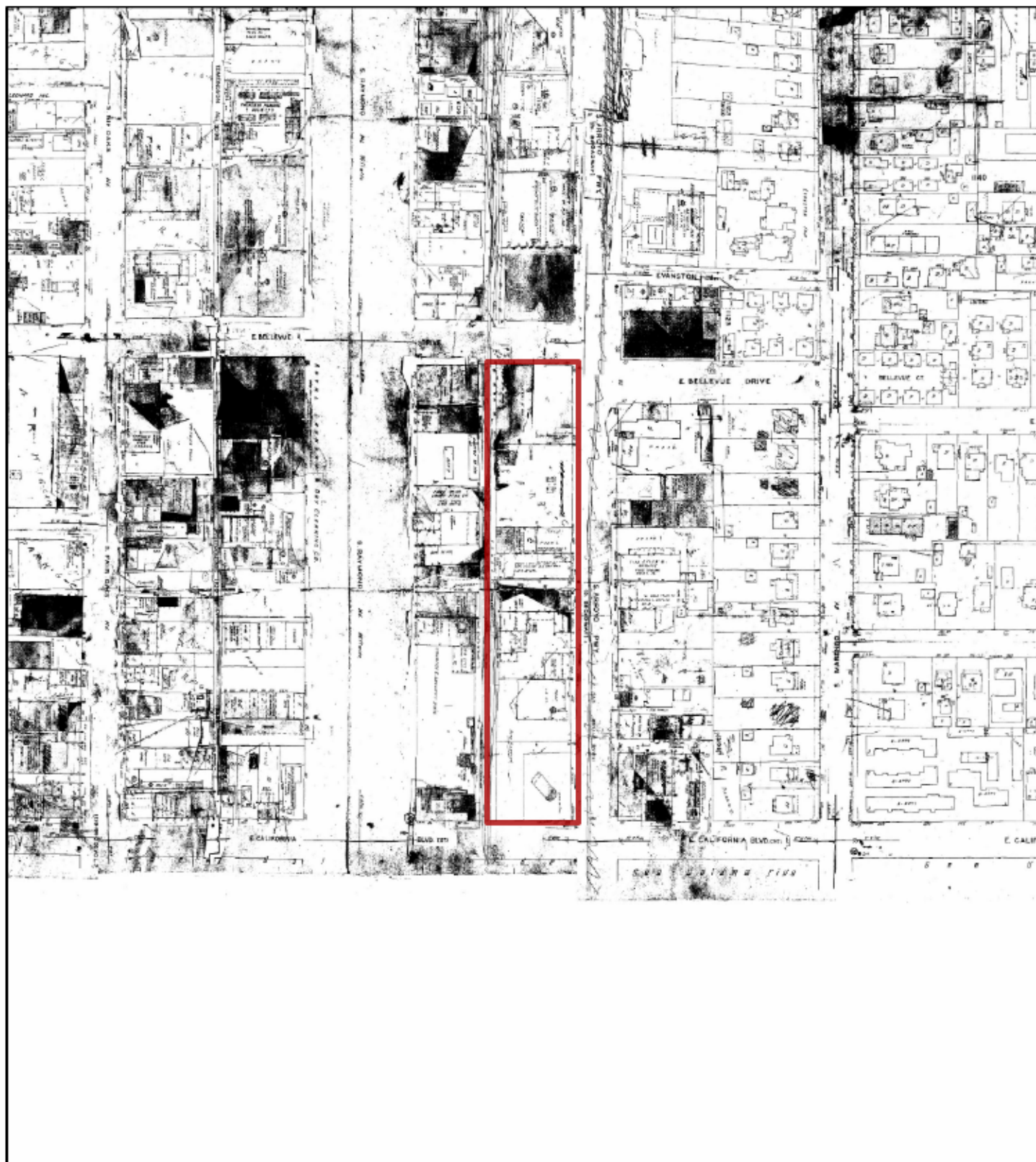
0 120 240 480 720 960
Feet

115	119	122A	135
116	120	122B	143

Map sheet(s):
Volume 1:119,120,122,135,143;

Order Number 20171221094

Fire Insurance Map



1970

Address: 465,491,503,525 & 577 South Arroyo Parkway, Pasadena, CA

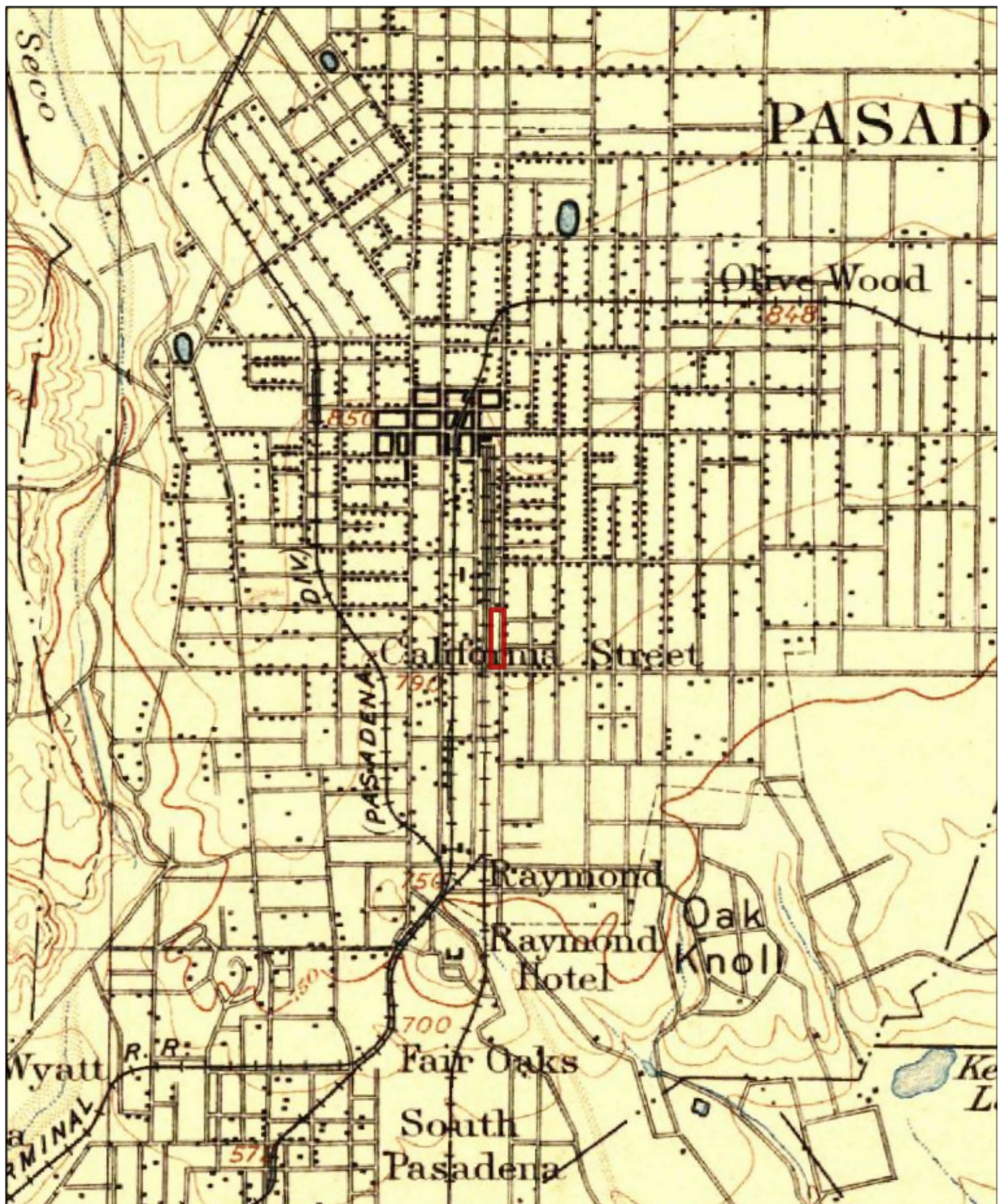


115	119	122A	135
116	120	122B	143

Map sheet(s):
Volume 1:119,120,122,135,143;

Order Number 20171221094

- Topographic Maps



1894

0 0.2 0.4 0.8 Miles

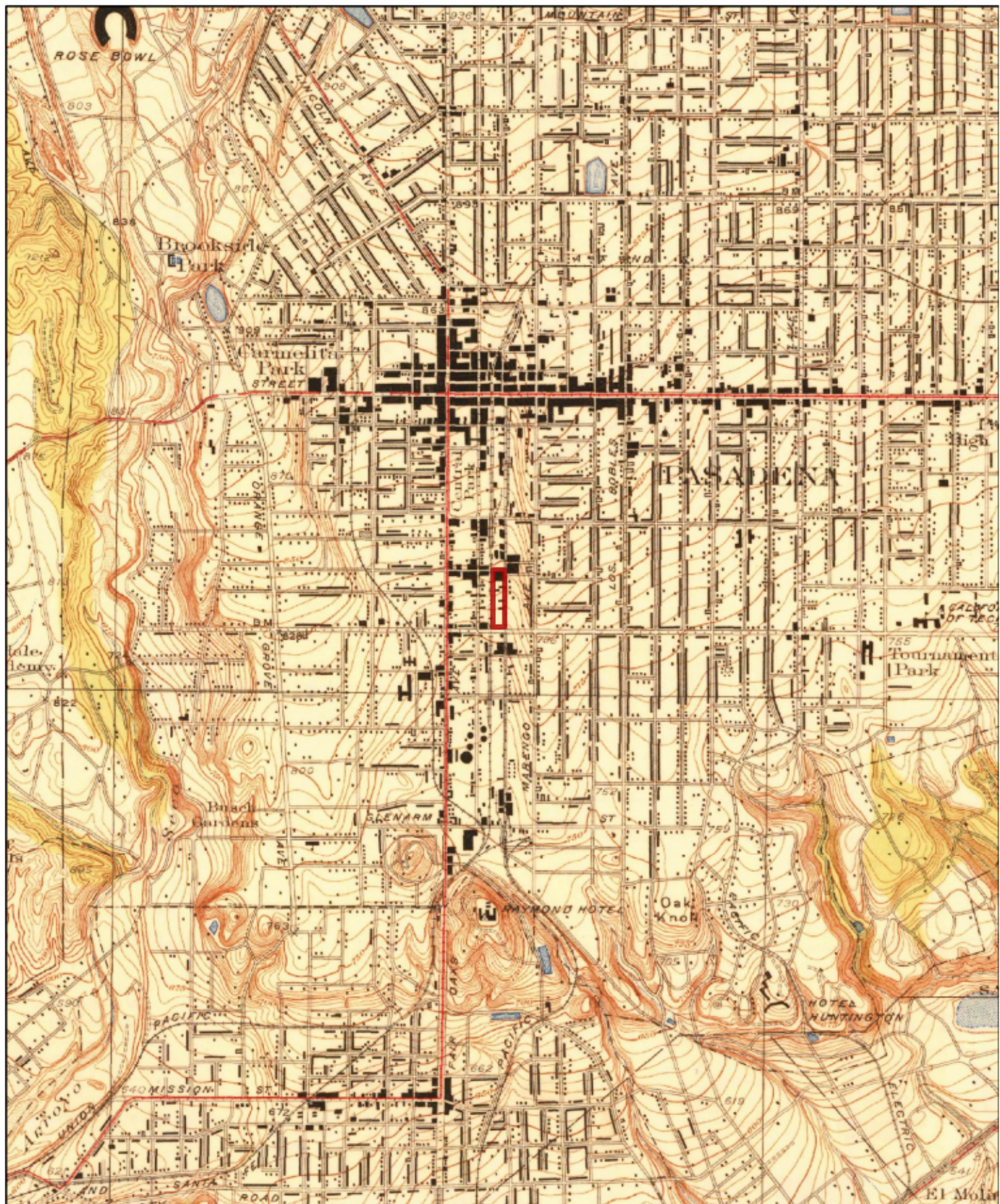
Order No. 20171221094

Quadrangle(s): Los Angeles, CA

Source: USGS 15 Minute Topographic Map



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1928

0 0.2 0.4 0.8 Miles

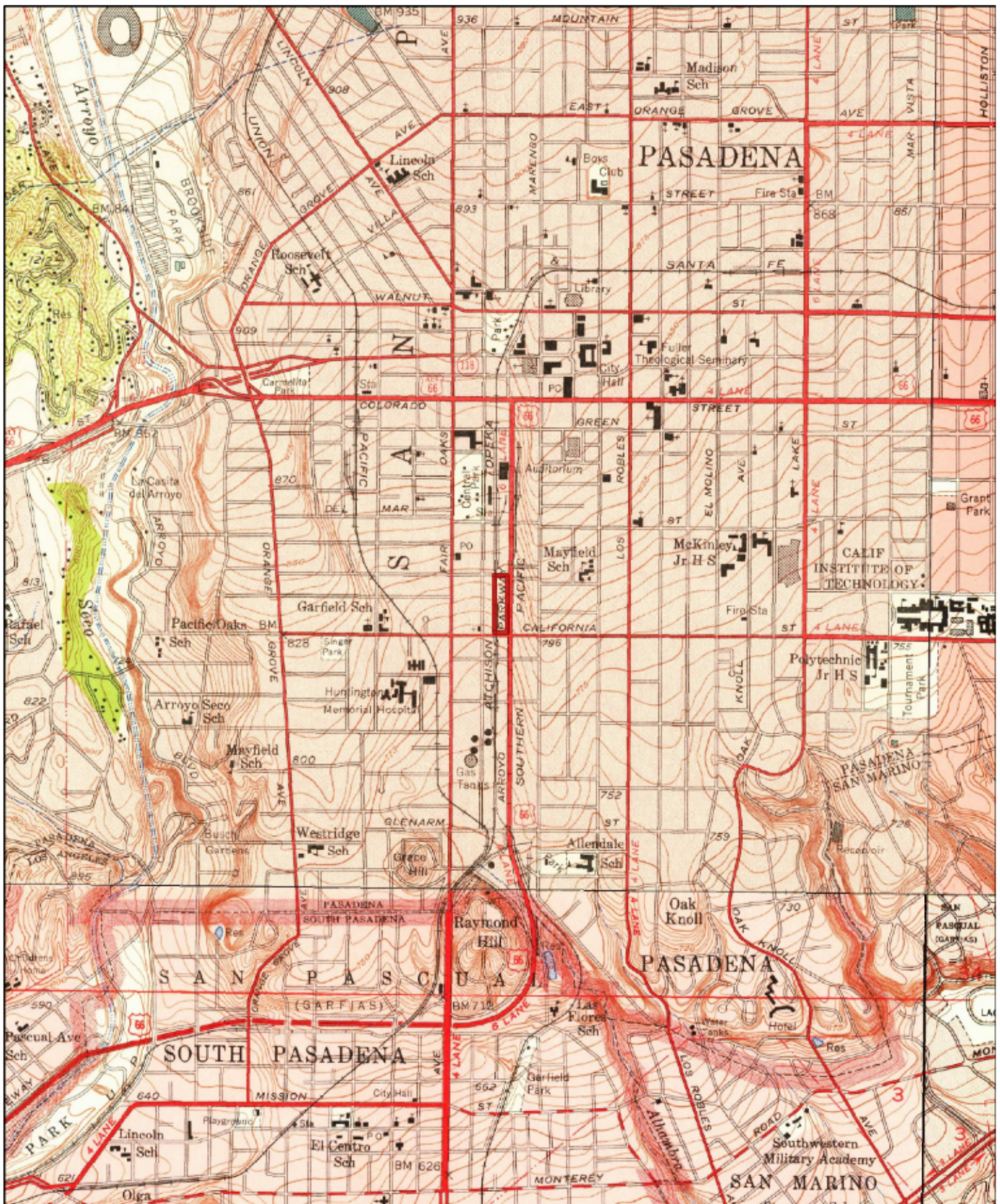
Order No. 20171221094

Quadrangle(s): Altadena, CA

Source: USGS 7.5 Minute Topographic Map



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1953

0 0.2 0.4 0.8 Miles

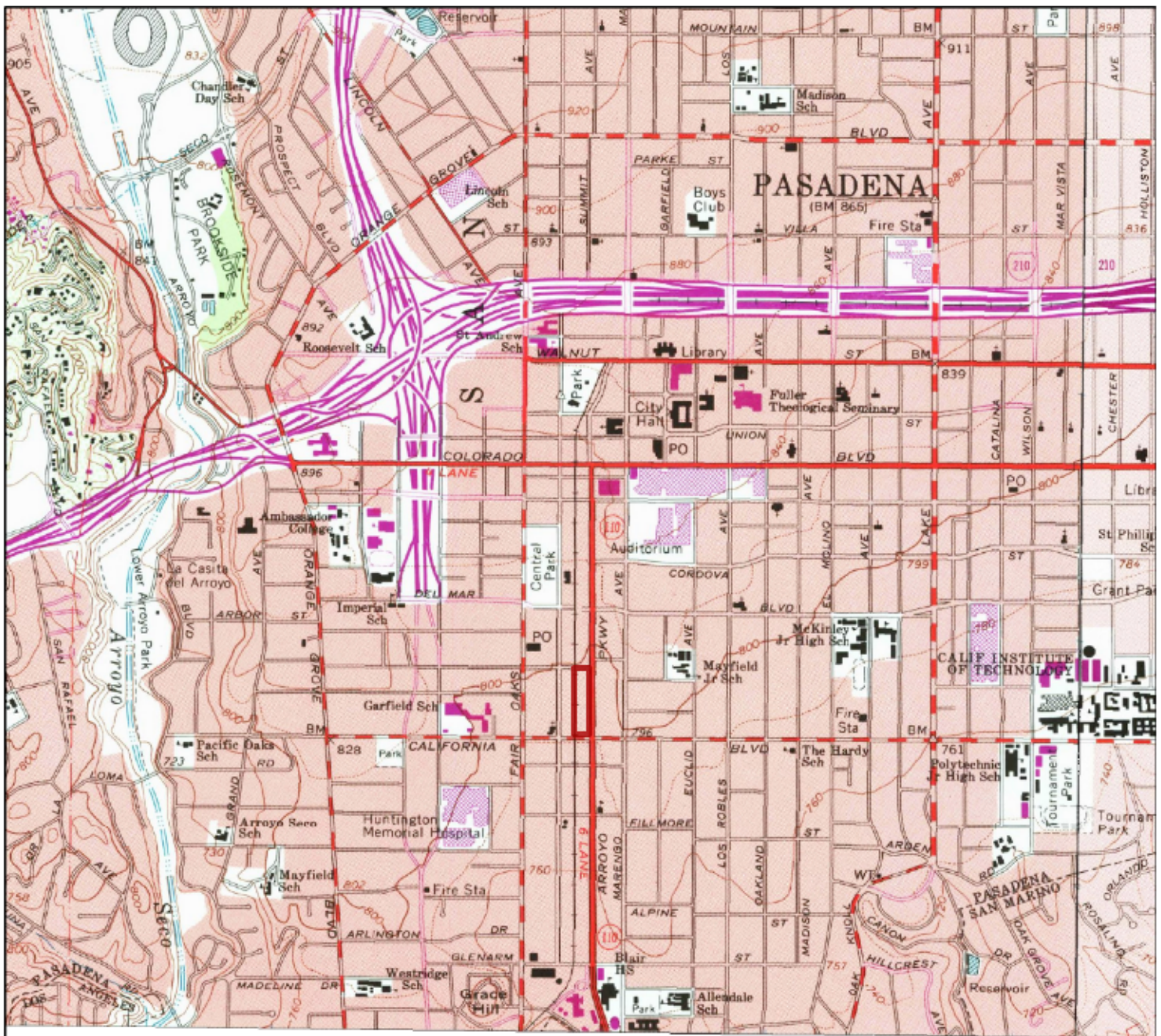
Order No. 20171221094

Quadrangle(s): Pasadena, CA

Source: USGS 7.5 Minute Topographic Map



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1988



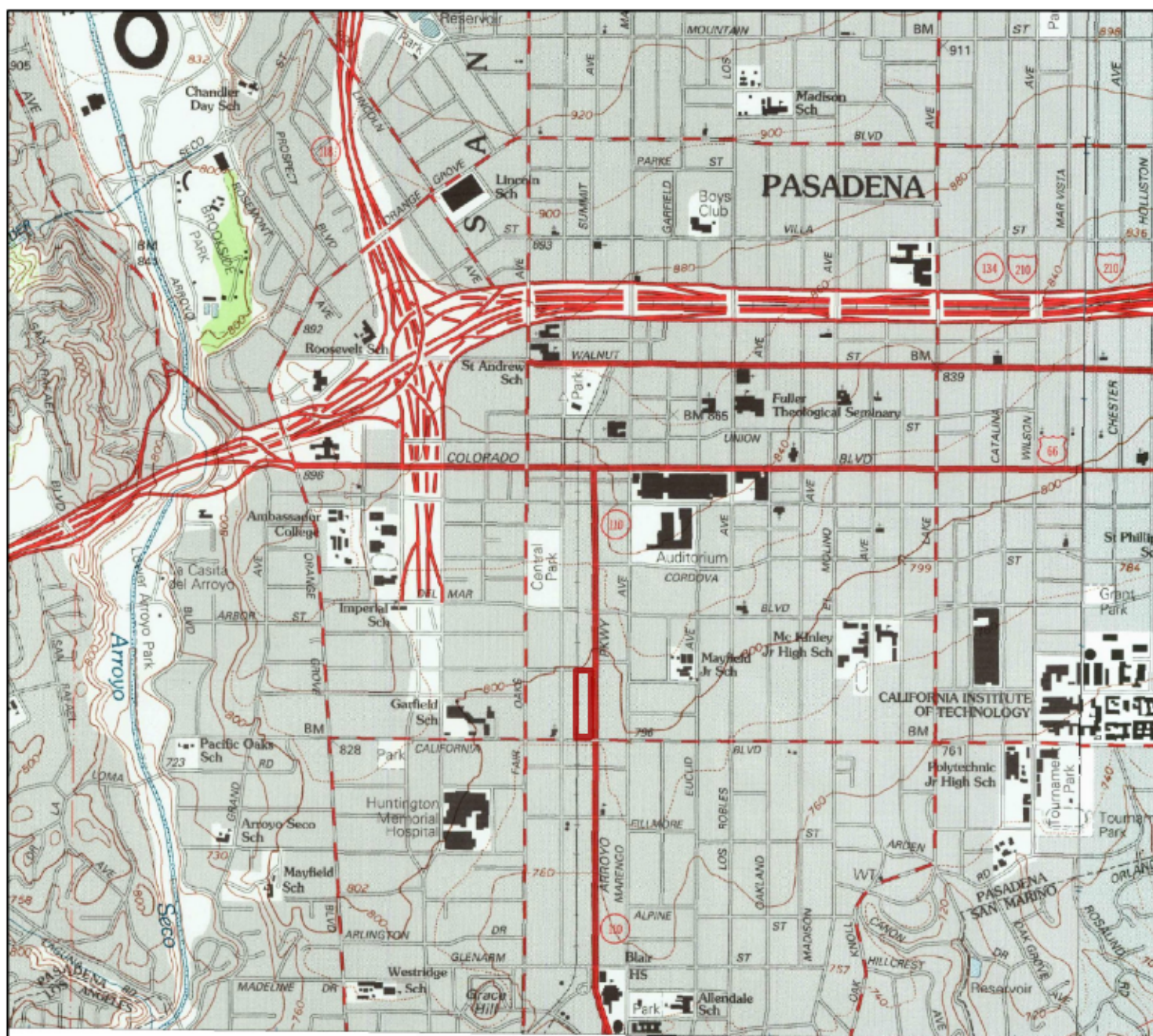
Order No. 20171221094

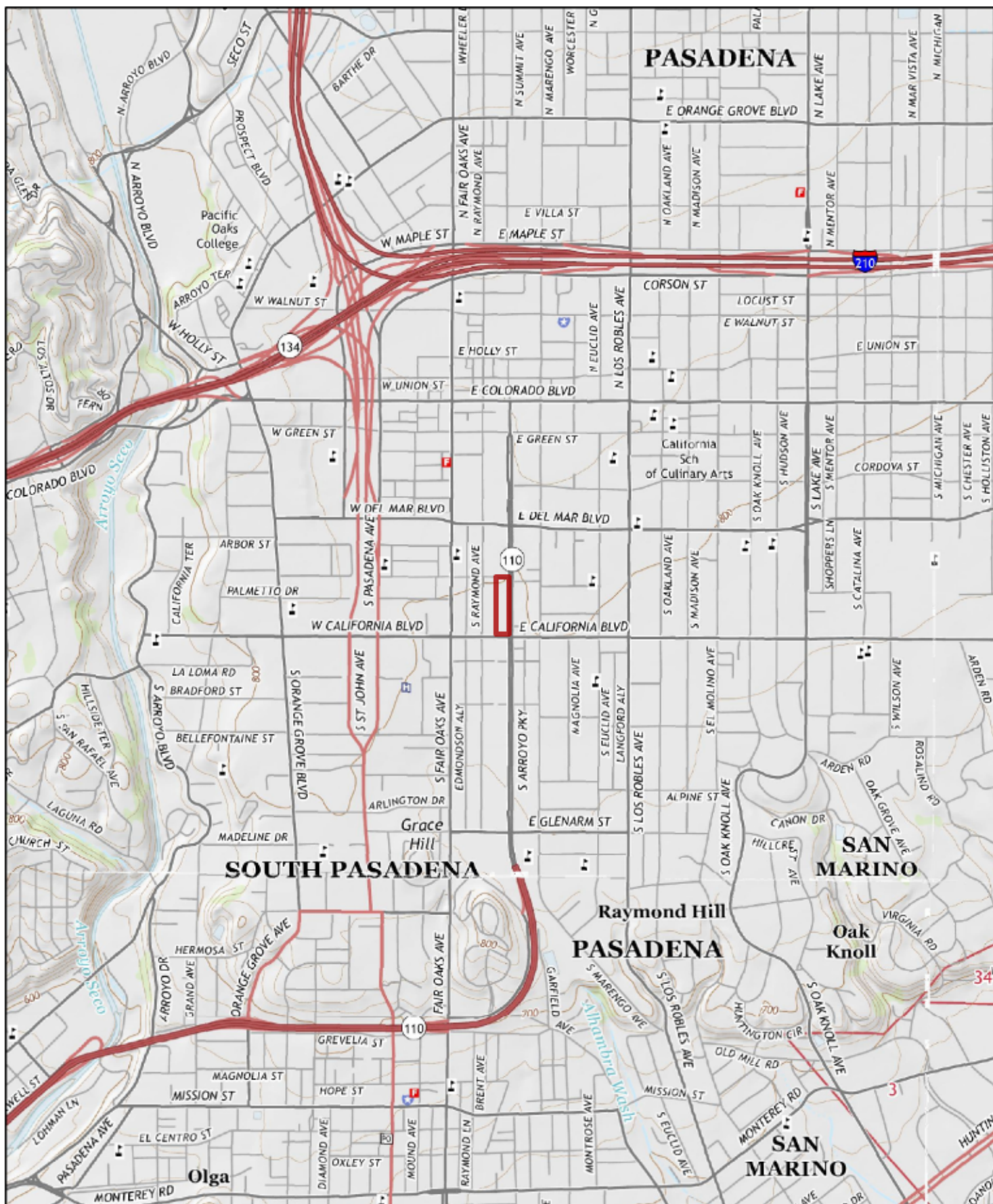
Quadrangle(s): Pasadena, CA

Source: USGS 7.5 Minute Topographic Map



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2015



Order No. 20171221094

Quadrangle(s): Pasadena, CA

Source: USGS 7.5 Minute Topographic Map



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Appendix D: Questionnaires



PHASE I: KEY SITE MANAGER QUESTIONNAIRE

Name of person completing questionnaire: Claudia Rodriguez

Association with property: Property Manager

Length of association with property: 1 year

Are you a representative of the Owner ☐: _____

Phone Number: 626.441.9620

Property Name: 465, 491, 503, 525 & 577 South Arroyo Parkway

EMG Project Number: 136895.19R000-001.135

Signature: _____ Date: 02/28/19

Directions: Please answer all questions to the best of your knowledge and in good faith. Mark the column corresponding to the appropriate response. Additional details necessary to explain any **yes or unknown responses** should be provided in the "Comments" column.

QUESTION		RESPONSE			COMMENTS
		Y	N	Unk	
1	Are the Property or any adjoining properties currently or previously in industrial use <input type="checkbox"/>	X			Service stations are located adjacent to the south and southeast and a dry cleaner is located adjacent to the east
2	Have the Property or adjoining properties currently or previously been used as a gasoline station, motor repair facility, commercial printing facility, dry cleaners, photo developing laboratory, junkyard or landfill, or as a waste treatment, storage, disposal, processing, or recycling facility <input type="checkbox"/>	X			Former service stations on-site and current and former service stations and dry cleaners are adjacent to the east and south
3	Are there currently or previously any automotive or industrial batteries, pesticides, paints, or other chemicals in individual containers of greater than five gallons in volume or fifty gallons in the aggregate, stored on or used at the Property <input type="checkbox"/>			X	None currently/previously unknown
4	Are there currently or have there been previously any industrial drums (typically 55 gallon) or sacks of chemicals located on the Property <input type="checkbox"/>		X		
5	Are there currently or previous any groundwater monitoring wells or other groundwater wells (i.e., potable drinking water wells) located on the Property <input type="checkbox"/>			X	
6	Are there currently or previously any pits, ponds, or lagoons located on the Property in connection with waste treatment or waste disposal <input type="checkbox"/>		X		
7	Are there any significant areas of stained soil on the Property (currently or previously) <input type="checkbox"/>		X		
8	Are there currently or previously any storage tanks (above or underground) located on the Property <input type="checkbox"/> If so, please indicate the material stored and if the tank is registered.	X			Former USTs on southern portion of the Project and possibly on the northern portion as well

QUESTION		RESPONSE			COMMENTS
		Y	N	Unk	
9	Are there currently or previously any vent pipes, fill pipes, or access ways indicating a fill pipe protruding from the ground on the Property or adjacent to any structure located on the Property?		X		
10	Are there currently or previously any flooring, drains, or walls located at the Property that are stained by substances other than water or are emitting foul odors?		X		
11	If the Property is served by a private well or non-public water system, have contaminants been identified in the well or system that exceed guidelines applicable to the water system? Has the well been designated as contaminated by any government environmental/health agency?		X		
12	Have you been informed of the past existence of hazardous substances or petroleum products with respect to the Property or any facility located on the Property?	X			Former service stations on the northern and southern portions of the Project
13	Have there been any environmental site assessments of the Property that indicated the presence of hazardous substances or petroleum products on, or contamination of, the Property or recommended further assessment of the Property?	X			Provided for EMG's review
14	Does the Property discharge waste water on or adjacent to the Property, other than storm water, into a storm water sewer system?		X		
15	Have any hazardous substances or petroleum products, unidentified waste materials, tires, automotive or industrial batteries, or any other waste materials been dumped above grade, buried, and/or burned on the Property?		X		
16	Is there a transformer, capacitor, or any hydraulic equipment for which there are any records indicating the presence of PCBs?			X	
17	Is there now or has there ever been any asbestos-containing materials (ACM), in any application, on the Property?			X	
18	Has there ever been any asbestos-containing materials testing conducted on the Property?			X	
19	Is there an Asbestos Operations and Maintenance (O&M) program in place at the Property?		X		
20	Is there now or has there ever been any lead-based paint (LBP) applications on the Property?			X	
21	Has there ever been lead-based paint testing conducted on the Property?			X	
22	Is there a Lead Paint Operations and Maintenance (O&M) Program in place at the Property?		X		
23	Has the water at the Property ever been tested for lead?			X	
24	Has radon testing ever been conducted at the Property?			X	
25	Has any part of the Property ever contained visible mold growth?	X			Yes – Significant moisture conditions are present in the 499 Building
26	Has there ever been any sort of Indoor Air Quality (IAQ) or mold testing conducted in the building(s)?			X	

QUESTION		RESPONSE			COMMENTS
		Y	N	Unk	
27	Is there a Mold Operations and Maintenance (O&M) program in place at the Property <input type="checkbox"/>			X	
28	Are there any other Operations and Maintenance (O&M) programs in place that we should be made aware of <input type="checkbox"/> If so, please provide details.		X		
29	Has fill dirt been brought onto the Property which originated from a contaminated site or is of an unknown origin <input type="checkbox"/>		X		
30	Is the Property or any portion of the Property located or involved in any environmentally sensitive areas (i.e., wetlands, coastal barrier resource areas, coastal barrier improvement act areas, flood plains, endangered species) <input type="checkbox"/>		X		
31	Have you been informed of the past existence of environmental violations with respect to the Property or any facility located on the Property <input type="checkbox"/>		X		
32	Are there any environmental liens or governmental notification relating to past or current violations of environmental laws with respect to the Property or any facility located on the Property <input type="checkbox"/>		X		
33	Are you aware of any pending, threatened, or past litigation relevant to hazardous substances of petroleum products in, on or from the Property <input type="checkbox"/>		X		
34	Are you aware of any pending, threatened, or past administrative proceedings relevant to hazardous substances or petroleum products in, on, or from the Property <input type="checkbox"/>		X		
35	Are you aware of any notices from any governmental entity regarding any possible violation or environmental laws or possible liability relating to hazardous substances or petroleum products <input type="checkbox"/>		X		
Summarize historical Property use (when was the Property developed with the current improvements, what modifications have taken place, what was the Property used for prior to its current use)					
On the day of the site visit, provide EMG's Field Observer access to all of the available documents listed below. <ul style="list-style-type: none"> ▪ Previous Environmental Site Assessment and Compliance Audit reports ▪ Site plans, ALTA surveys, etc. ▪ Asbestos, Lead Based Paint, Mold Operations and Maintenance Programs (O&Ms) ▪ Environmental permits, including registrations for aboveground and underground storage tanks and registrations for underground injection systems ▪ Material Safety Data Sheets ▪ Hazardous waste generator notices or reports ▪ Community Right-to-Know Plan, Risk Assessments, Safety plans, SPCC plans, FRP Plans, etc. ▪ Reports regarding hydrogeological conditions on the Property or adjoining properties ▪ Notices from government agencies regarding past or current violations of environmental laws ▪ Environmental liens and recorded Activity and Use Limitations ▪ Geotechnical surveys 					



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 www.EMGcorp.com

ASTM E1527 USER QUESTIONNAIRE PHASE I ENVIRONMENTAL SITE ASSESSMENT

EMG has been retained to conduct a Phase I Environmental Site Assessment (ESA) on your property as contracted. The Phase I ESA will involve site observations, interviews, and a review of available documentation. To ensure the success of the assessment, and in accordance with the ASTM E1527 Scope of Work, we are required to ask the following questions to the User of the report seeking to fulfill the User Requirements of the Standard. Please complete and return this questionnaire to EMG (within two days of receipt).

	Date: _____
Company name:	_____
Property Name/Street Address:	_____
Property City/State/Zip:	_____
Name of person completing questionnaire:	Phone Number: _____
Role/Title:	Fax Number: _____
Length of association with property:	E-mail address: _____
Please check one:	User: <input type="checkbox"/> User Representative: <input type="checkbox"/>

Signature: _____

Directions: Please answer all questions to the best of your knowledge and in good faith. ☐ Mark the column corresponding to the appropriate response. ☐ Additional details necessary to explain any yes or unknown responses should be provided in the "Comments" column. ~ Note: *U* indicates "Unknown", *NR* indicates "No Response" and "N/A" indicates not applicable.

QUESTION		RESPONSE				COMMENTS
		Y	N	U	NR	
1	Are you aware of any pending, threatened, or past litigation relevant to hazardous substances or petroleum products in, on, or from the property <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2	Are you aware of any pending, threatened, or past administrative proceedings relevant to hazardous substances or petroleum products in, on or from the property <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3	Are you aware of any notices from any governmental entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4	Are you aware of any environmental cleanup liens against the property that are filed or recorded under federal, tribal, state or local law <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
5	Are you aware of any Activity and Use Limitations, such as engineering controls, land use restrictions or institutional controls that are in place at the site and/or have been filed or recorded in a registry under federal, tribal, state or local law <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	



QUESTION		RESPONSE				COMMENTS
		Y	N	U	NR	
6	As the user of this ESA do you have any specialized knowledge or experience related to the property or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the property or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
7	Does the purchase price being paid for this property reasonably reflect the fair market value of the property? If you conclude that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the property?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
8	Are you aware of commonly known or reasonably ascertainable information about the property that would help the environmental professional to identify conditions indicative of releases or threatened releases? For example, as user	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	8 (a) Do you know the past uses of the property?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	8 (b) Do you know of specific chemicals that are present or once were present at the property?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	8 (c) Do you know of spills or other chemical releases that have taken place at the property?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	8 (d) Do you know of any environmental cleanups that have taken place at the property?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
9	As the user of this ESA, based on your knowledge and experience related to the property are there any obvious indicators that point to the presence or likely presence of contamination at the property?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

If you have access to any of the following helpful documents, please indicate them below and then send them to EMG via standard mail or e-mail/fax along with this questionnaire. Mailing address: 10461 Mill Run Circle, Suite 1100 Owings Mills, MD 21117

Helpful Documents to be forwarded EMG:

- ☐ Environmental site assessment reports (i.e., Phase I, Phase II, tank testing results, radon, lead paint, or asbestos testing, etc.)
- ☐ Environmental compliance audit reports; risk assessments; and recorded Activity and Use Limitations (AULs)
- ☐ Environmental permits (i.e., solid waste disposal, hazardous waste disposal, wastewater, NPDES, underground injection, etc.)
- ☐ Registrations for underground storage tanks (USTs) and aboveground storage tanks (ASTs)
- ☐ Registrations for underground injection systems
- ☐ Material safety data sheets
- ☐ Community right-to-know plan
- ☐ Safety plans; preparedness and prevention plans; spill prevention, countermeasure, and control plans, etc
- ☐ Reports regarding hydrogeological or geotechnical conditions on the property and surrounding area
- ☐ Notices/correspondence from any agency relating to past/current violations of environmental laws, or liens encumbering the property
- ☐ Hazardous waste generator notices or reports
- ☐ Other:



EMG
Corporate Headquarters
10461 Mill Run Circle, Suite 1100
Owings Mills, Maryland 21117
800.733.0660
www.EMGcorp.com

ASTM E1527 OWNER QUESTIONNAIRE PHASE I ENVIRONMENTAL SITE ASSESSMENT

EMG has been retained to conduct a Phase I Environmental Site Assessment (ESA) on your property as contracted. The Phase I ESA will involve site observations, interviews, and a review of available documentation. To ensure the success of the assessment, and in accordance with the ASTM E1527 Scope of Work, we are required to ask the following questions to the Owner or Owner representative. Please complete and return this questionnaire to EMG (within two days of receipt).

Date: _____

Company name:	_____
Property Name/Street Address:	_____
Property City/State/Zip:	_____
Name of person completing questionnaire:	Phone Number: _____
Role/Title:	Fax Number: _____
Length of association with property:	E-mail address: _____
Please check one:	Owner: <input type="checkbox"/> Owner Representative: <input type="checkbox"/>
Signature:	_____

Directions: Please answer all questions to the best of your knowledge and in good faith. ☐ Mark the column corresponding to the appropriate response. ☐ Additional details necessary to explain any yes or unknown responses should be provided in the "Comments" column. ~ Note: *U* indicates "Unknown", *NR* indicates "No Response" and "N/A" indicates not applicable.

QUESTION		RESPONSE				COMMENTS
		Y	N	U	NR	
1	Are you aware of any pending, threatened, or past litigation relevant to hazardous substances or petroleum products in, on, or from the property <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2	Are you aware of any pending, threatened, or past administrative proceedings relevant to hazardous substances or petroleum products in, on or from the property <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3	Are you aware of any notices from any governmental entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Interviews with Owners and Occupants: The ASTM E1527 Standard recommends in addition to the three specific questions above, the Environmental Professional shall attempt to interview owners, operators, and occupants of the property to obtain information indicating recognized environmental conditions in connection with the property. As such, EMG is providing a Pre-Survey Questionnaire under separate cover to the Key Site Manager or other site representative as designated by either the current owner or the intended User of the assessment data.

If you have access to any of the following documents, please indicate them below and then send them to EMG via standard mail or e-mail along with this questionnaire. Mailing address: 10461 Mill Run Circle, Suite 1100 Owings Mills, MD 21117

Helpful Documents to be forwarded EMG:

- ☐ Environmental site assessment reports (i.e., Phase I, Phase II, tank test results, radon, lead paint, or asbestos testing, etc.)
- ☐ Environmental compliance audit reports; risk assessments; and recorded Activity and Use Limitations (AULs)
- ☐ Environmental permits (i.e., solid and hazardous waste disposal, wastewater, NPDES, underground injection, etc.)
- ☐ Registrations for underground storage tanks (USTs) and aboveground storage tanks (ASTs)
- ☐ Registrations for underground injection systems
- ☐ Material safety data sheets
- ☐ Community right-to-know plan
- ☐ Safety plans; preparedness and prevention plans; spill prevention, countermeasure, and control plans, etc
- ☐ Reports regarding hydrogeological or geotechnical conditions on the property and surrounding area
- ☐ Notices/correspondence from any agency for past/current violations of environmental laws, or liens encumbering the property
- ☐ Hazardous waste generator notices or reports
- ☐ Other: _____

Appendix E: Laboratory Analytical Results

**No Documents Associated
With This Appendix**

Appendix F: Supporting Documentation

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- Assessor Records

▼ Summary

AIN: 5722-008-019 ⁸**Situs Address:**

112 E BELLEVUE DR
PASADENA CA 91105-2521

Use Type: Commercial
Parcel Type: Regular Fee Parcel
Tax Rate Area: 07500

Parcel Status: **ACTIVE**
Create Date: 02/13/2009
Delete Date:
Tax Status: **CURRENT**
Year Defaulted:
Exemption: None

Building (0101) & Land Overview

Use Code: 1400
Design Type: 1401
Quality Class: CX

of Units: 0
Beds/Baths: 0/0
Building SqFt: 91,145

Year Built: 2008
Effective Year: 2008
Land SqFt: 52,663




(<http://assessormap.co.la.ca.us/Geocortex/Essentials/REST/sites/PAIS/VirtualDirectory/AssessorMaps/ViewMap.html?val=5722-008>)

Parcel Map (<http://assessormap.co.la.ca.us/Geocortex/Essentials/REST/sites/PAIS/VirtualDirectory/AssessorMaps/ViewMap.html?val=5722-008>) / Map Index
(<http://maps.assessor.lacounty.gov/Geocortex/Essentials/REST/sites/PAIS/VirtualDirectory/AssessorMaps/ViewMap.html?val=5722-NDX>)

2019 Roll Preparation		2018 Current Roll	RC	Year	2009 Base Value
\$	9,419,945 \$	9,235,241	7	2009 \$	8,390,751
\$	54,164,623 \$	53,102,572	7	2009 \$	48,347,072
\$	63,584,568 \$	62,337,813		\$	56,737,823

Assessor's Responsible Division

District: East District Office
Region: 27
Cluster: 27615 PASADENA

East District Office (<https://maps.google.com/?q=1190+Durfee+Ave.+South+El+Monte%2C+CA+91733>) 
1190 Durfee Ave.
South El Monte, CA 91733

Phone: (626) 258-6001
Toll Free: 1 (888) 807-2111
M-F 7:30 am to 5:00 pm

465 W Historic Rte 66
Pasadena, California ([https://www.google.com/maps/@34.13781812286612,-118.14744732129213,13z?](https://www.google.com/maps/@34.13781812286612,-118.14744732129213,13z?hl=en-US&gl=US)
View on Google Maps [hl=en-US&gl=US](https://www.google.com/maps/@34.1378181,-118.1474473,0a,73.7y,-88.96h,90t/data=!3m4!1e1!3m2!1sdu4cYajzofuQ3NRjDPt3kw!2e0?source=apiv3))
([https://www.google.com/maps/@34.1378181,-118.1474473,0a,73.7y,-88.96h,90t/data=!3m4!1e1!3m2!1sdu4cYajzofuQ3NRjDPt3kw!2e0?](https://www.google.com/maps/@34.1378181,-118.1474473,0a,73.7y,-88.96h,90t/data=!3m4!1e1!3m2!1sdu4cYajzofuQ3NRjDPt3kw!2e0?source=apiv3)
source=apiv3)





Use Code = 1400 (Commercial)

Total SqFt (GIS): 52,663
Total SqFt (PDB): 51,883
Usable SqFt: 52,707
Acres:
Land W' x D': 169 x 307

Sewers: Yes
Flight Path: No
X-Traffic: Yes
Freeway: No

Corner Lot: Yes
Golf Front: No
Horse Lot: No
View: None

Zoning: PSC-
Code Split: No
Impairment: None

Situs Address:
112 E BELLEVUE DR PASADENA CA 91105-2521

Legal Description *(for assessment purposes):*
M R 11-83 POR OF VAC ST ADJ ON N AND N 6.4 FT OF LOT 27,ALL LOTS 28,29 AND 30

Use Code: 1400 (Commercial)
1 = Commercial
4 = Supermarket
0 = Supermarket - 12,000 SF or More
0 = One Story

Building Information

SUBPART: 0101
Design Type: 1401
Quality Class: CX

of Units: 0
Beds/Baths: 0/0
Building SqFt: 91,145

Year Built: 2008
Effective Year: 2008
Depreciation: UC40 / / 0

RCN Other: \$ 91,145
RCN Other Trended: \$ 119,308

Year Change: 2008

Design Type: 1401

1 = Commercial

4 = Supermarket

0 = Unused or Unknown Code (No Meaning)

1 = Air Conditioned

SUMMARY: Total

of Units: 0

Beds/Baths: 0/0

Building SqFt: 91,145

Avg SqFt/Unit:

▼ Events History

Ownership ()

Parcel Change ()

Show Re-Assessable Only: ☐

Recording Date	Seq. #	Re-Assessed	# Parcels	%	Ver. Code	DTT Sale Price	Assessed Value
02/13/2009	50	Yes	1	00%-0	1	\$ 9	\$ 43,300,010

▼ Assessment HistoryShow All: ☐ Hide Inactive Rolls: ☐

Showing 1 to 10 of 13 entries.

Bill Number	Bill Type	Bill Status	Date to Auditor	Recording Date	Total Value	Land Value	Improvement Value
219-PSEG				02/13/2009	\$ 63,584,568	\$ 9,419,945	\$ 54,164,623
2180000	R	A	07/19/2018	02/13/2009	\$ 62,337,813	\$ 9,235,241	\$ 53,102,572
2170000	R	A	06/26/2017	02/13/2009	\$ 48,900,000	\$ 7,244,500	\$ 41,655,500
2160000	R	A	07/05/2016	02/13/2009	\$ 48,900,000	\$ 7,244,500	\$ 41,655,500
2150000	R	A	06/23/2015	02/13/2009	\$ 43,300,009	\$ 6,400,009	\$ 36,900,000
2140000	R	A	06/24/2014	02/13/2009	\$ 43,300,009	\$ 6,400,009	\$ 36,900,000
2130000	R	A	06/25/2013	02/13/2009	\$ 43,300,009	\$ 6,400,009	\$ 36,900,000
2120000	R	A	06/27/2012	02/13/2009	\$ 43,300,009	\$ 6,400,009	\$ 36,900,000
2110000	R	A	07/06/2011	02/13/2009	\$ 43,300,009	\$ 6,400,009	\$ 36,900,000
2100001	C	A	12/19/2010	02/13/2009	\$ 43,300,009	\$ 6,400,009	\$ 36,900,000

▼ Summary

AIN: 5722-008-002 7

Situs Address:
491 S ARROYO PKWY
PASADENA CA 91105-2529

Use Type: Commercial
Parcel Type: Regular Fee Parcel
Tax Rate Area: 07500

Parcel Status: ACTIVE
Create Date:
Delete Date:
Tax Status: CURRENT
Year Defaulted:
Exemption: None

Building (0102) & Land Overview

Use Code: 1700
Design Type: 1700
Quality Class: C6B

of Units: 0
Beds/Baths: 0/0
Building SqFt: 7,500

Year Built: 1925
Effective Year: 1951
Land SqFt: 16,965

Identifies if tax payments for a secured assessment are:
"Current" (TS=0), "Delinquent" (TS=1), "Defaulted, Power to Sell" (TS=2), or "Exempt" (TS=3).
IMPORTANT NOTE: Tax payments for the current roll that are late and incurring penalties may still show "Current" due to timing issues, assuming the property is not delinquent for prior years. Also, unsecured delinquent or defaulted tax bills will not be reflected here.




(<http://assessormap.co.la.ca.us/Geocortex/Essentials/REST/sites/PAIS/VirtualDirectory/AssessorMaps/ViewMap.html?val=5722-008>)

Parcel Map (<http://assessormap.co.la.ca.us/Geocortex/Essentials/REST/sites/PAIS/VirtualDirectory/AssessorMaps/ViewMap.html?val=5722-008>) / Map Index (<http://maps.assessor.lacounty.gov/Geocortex/Essentials/REST/sites/PAIS/VirtualDirectory/AssessorMaps/ViewMap.html?val=5722-NDX>)

2019 Roll Preparation			2018 Current Roll	RC	Year	2008 Base Value
\$	2,533,972	\$	2,484,287	T	2008	\$ 2,503,953
\$	2,058,261	\$	2,017,903	T	2008	\$ 2,258,414
\$	4,592,233	\$	4,502,190			\$ 4,762,367

Assessor's Responsible Division

District: East District Office
Region: 27
Cluster: 27615 PASADENA

East District Office (<https://maps.google.com/?q=1190+Durfee+Ave.+South+El+Monte%2C+CA+91733>) 
1190 Durfee Ave.
South El Monte, CA 91733

Phone: (626) 258-6001
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495 W Historic Rte 66
Pasadena, California ([https://www.google.com/maps/@34.13719434898117,-118.14744157128132,13z?](https://www.google.com/maps/@34.13719434898117,-118.14744157128132,13z?hl=en-US&gl=US)
View on Google Maps [hl=en-US&gl=US](https://www.google.com/maps/@34.1371943,-118.1474416,0a,73.7y,-76.11h,90t/data=!3m4!1e1!3m2!1sHn4wXT7Jyn35UZDaDuwLjQ!2e0?source=apiv3))
([https://www.google.com/maps/@34.1371943,-118.1474416,0a,73.7y,-76.11h,90t/data=!3m4!1e1!3m2!1sHn4wXT7Jyn35UZDaDuwLjQ!2e0?](https://www.google.com/maps/@34.1371943,-118.1474416,0a,73.7y,-76.11h,90t/data=!3m4!1e1!3m2!1sHn4wXT7Jyn35UZDaDuwLjQ!2e0?source=apiv3)
source=apiv3)





Land Information

<https://portal.assessor.lacounty.gov/parceldetail/5722008002>

Total SqFt (GIS): 16,965
Total SqFt (PDB):
Usable SqFt: 16,814
Acres:
Land W' x D': 0 x 0

Sewers: No
Flight Path: No
X-Traffic: No
Freeway: No

Corner Lot: No
Golf Front: No
Horse Lot: No
View: None

Zoning: PSC-
Code Split: No
Impairment: None

Situs Address:
491 S ARROYO PKWY PASADENA CA 91105-2529

Legal Description *(for assessment purposes):*
WEBSTER AND STRATTON'S SUB OF THE G T STAMM PROPERTY N 99.5 FT OF LOT 31

Use Code: 1700 (Commercial)
1 = Commercial
7 = Office Building
0 = Unused or Unknown Code (No Meaning)
0 = One Story

Building Information

SUBPART: 0102
Design Type: 1700
Quality Class: C6B

of Units: 0
Beds/Baths: 0/0
Building SqFt: 7,500

Year Built: 1925
Effective Year: 1951
Depreciation: UC55 / 3B / 82

RCN Other: \$ 0
RCN Other Trended: \$ 0

Year Change: 1973

Design Type: 1700

1 = Commercial

7 = Office Building

0 = Unused or Unknown Code (No Meaning)

0 = Unused or Unknown Code (No Meaning)

SUBPART: 0202**Design Type:** 3100**Quality Class:** C5A**# of Units:** 0**Beds/Baths:** 0/0**Building SqFt:** 4,600**Year Built:** 1945**Effective Year:** 1948**Depreciation:** UC60 / 3B / 82**RCN Other:** \$ 0**RCN Other Trended:** \$ 0**Year Change:** 1973**Design Type: 3100**

3 = Industrial

1 = Light Manufacturing

0 = Unused or Unknown Code (No Meaning)

0 = Unused or Unknown Code (No Meaning)

SUMMARY: **Total****# of Units:** 0**Beds/Baths:** 0/0**Building SqFt:** 12,100**Avg SqFt/Unit:****▼ Events History**

Ownership ()

Parcel Change ()

Show Re-Assessable Only: ☐

Recording Date	Seq. #	Re-Assessed	# Parcels	%	Ver. Code	DTT Sale Price	Assessed Value
11/20/2007	75	Yes	3	00%-0	B	\$ 16,000,160	\$ 3,900,000
11/20/2007	25	Yes	2+	00%-0	M	\$ 9,350,000	\$ 2,400,000
08/10/2007	50	Yes	2+	00%-0	M	\$ 0	\$ 2,400,000
06/20/2000	50	No		00%-0		\$ 0	\$ 271,708
09/03/1963	50	Yes		00%-0		\$ 0	\$ 0

▼ Assessment History

Show All: ☐ Hide Inactive Rolls: ☐

Showing 1 to 10 of 42 entries.

Bill Number	Bill Type	Bill Status	Date to Auditor	Recording Date	Total Value	Land Value	Improvement Value
219-PSEG				11/20/2007	\$ 4,592,233	\$ 2,533,972	\$ 2,058,261
2180000	R	A	07/19/2018	11/20/2007	\$ 4,502,190	\$ 2,484,287	\$ 2,017,903
2170000	R	A	06/26/2017	11/20/2007	\$ 4,413,913	\$ 2,435,576	\$ 1,978,337
2160000	R	A	07/05/2016	11/20/2007	\$ 4,327,367	\$ 2,387,820	\$ 1,939,547
2150000	R	A	06/23/2015	11/20/2007	\$ 4,262,367	\$ 2,351,953	\$ 1,910,414
2140000	R	A	06/24/2014	11/20/2007	\$ 3,400,000	\$ 2,000,000	\$ 1,400,000
2130000	R	A	06/25/2013	11/20/2007	\$ 3,400,000	\$ 2,000,000	\$ 1,400,000
2120000	R	A	06/27/2012	11/20/2007	\$ 2,700,000	\$ 2,000,000	\$ 700,000
2110000	R	A	07/06/2011	11/20/2007	\$ 2,700,000	\$ 2,000,000	\$ 700,000
2100000	R	A	07/22/2010	11/20/2007	\$ 2,700,000	\$ 2,000,000	\$ 700,000

« 1 2 3 4 5 »

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Contact Us (<https://assessor.lacounty.gov/contact-us/>) | Disclaimer ([disclaimer](#)) | FAQ ([faq](#))

PDB Effective Date: 02/24/2019

 (<https://facebook.com/LACAssessor>)

 (<https://www.twitter.com/LACASSESSOR>)

 (<https://www.linkedin.com/company/los-angeles-county-office-of-the-assessor>)

 (<https://youtube.com/user/lacountyassessor>)

▼ Summary

AIN: 5722-008-012 ⁵**Situs Address:**

503 S ARROYO PKWY
PASADENA CA 91105-2519

Use Type: Industrial
Parcel Type: Regular Fee Parcel
Tax Rate Area: 07500

Parcel Status: **ACTIVE**
Create Date:
Delete Date:
Tax Status: **CURRENT**
Year Defaulted:
Exemption: None

Building (0101) & Land Overview

Use Code: 3310
Design Type: 3300
Quality Class: CX

of Units: 0
Beds/Baths: 0/0
Building SqFt: 16,730

Year Built: 1921
Effective Year: 1923
Land SqFt: 28,238




(<http://assessormap.co.la.ca.us/Geocortex/Essentials/REST/sites/PAIS/VirtualDirectory/AssessorMaps/ViewMap.html?val=5722-008>)

Parcel Map (<http://assessormap.co.la.ca.us/Geocortex/Essentials/REST/sites/PAIS/VirtualDirectory/AssessorMaps/ViewMap.html?val=5722-008>) / Map Index
(<http://maps.assessor.lacounty.gov/Geocortex/Essentials/REST/sites/PAIS/VirtualDirectory/AssessorMaps/ViewMap.html?val=5722-NDX>)

2019 Roll Preparation			2018 Current Roll	RC	Year	2008 Base Value
\$	3,700,000	\$	3,700,000	8	2008	\$ 3,629,000
\$	1,800,000	\$	1,800,000	8	2008	\$ 2,183,000
\$	5,500,000	\$	5,500,000			\$ 5,812,000

Assessor's Responsible Division

District: East District Office
Region: 27
Cluster: 27615 PASADENA

East District Office (<https://maps.google.com/?q=1190+Durfee+Ave.+South+El+Monte%2C+CA+91733>) 
1190 Durfee Ave.
South El Monte, CA 91733

Phone: (626) 258-6001
Toll Free: 1 (888) 807-2111
M-F 7:30 am to 5:00 pm

501 W Historic Rte 66
Pasadena, California ([https://www.google.com/maps/@34.1369327479138,-118.14744192951287,13z?](https://www.google.com/maps/@34.1369327479138,-118.14744192951287,13z?hl=en-US&gl=US)
View on Google Maps [hl=en-US&gl=US](https://www.google.com/maps/@34.1369327,-118.1474419,0a,73.7y,-90.59h,90t/data=!3m4!1e1!3m2!1sv77K55wiNs8l1RD5dV5x-A!2e0?source=apiv3))
(<https://www.google.com/maps/@34.1369327,-118.1474419,0a,73.7y,-90.59h,90t/data=!3m4!1e1!3m2!1sv77K55wiNs8l1RD5dV5x-A!2e0?source=apiv3>)





▼ Building and Land Characteristics

Land Information

Use Code = 3310 (Industrial)

Total SqFt (GIS): 28,238
Total SqFt (PDB):
Usable SqFt: 28,349
Acres:
Land W' x D': 0 x 0

Sewers: No
Flight Path: No
X-Traffic: No
Freeway: No

Corner Lot: No
Golf Front: No
Horse Lot: No
View: None

Zoning: PSC-
Code Split: No
Impairment: None

Situs Address:
503 S ARROYO PKWY PASADENA CA 91105-2519

Legal Description *(for assessment purposes):*
WEBSTER AND STRATTON'S SUB OF THE G T STAMM PROPERTY S 0.5 FT OF LOT 31 AND ALL OF LOT 32 AND N 85 FT OF W 109 FT AND N 35 FT OF E 60 FT OF LOT 33

Use Code: 3310 (Industrial)
3 = Industrial
3 = Warehousing, Distribution, Storage
1 = Warehousing, Distribution, 10,000 to 24,999 SF
0 = One Story

Building Information

SUBPART: 0101
Design Type: 3300
Quality Class: CX

of Units: 0
Beds/Baths: 0/0
Building SqFt: 16,730

Year Built: 1921
Effective Year: 1923
Depreciation: / 4K / 0

RCN Other: \$ 0
RCN Other Trended: \$ 0

Year Change: 1980

Design Type: 3300
3 = Industrial
3 = Warehousing, Distribution, Storage
0 = Unused or Unknown Code (No Meaning)
0 = Unused or Unknown Code (No Meaning)

SUMMARY: *Total*

of Units: 0
Beds/Baths: 0/0
Building SqFt: 16,730
Avg SqFt/Unit:

▼ Events History

Ownership ()Parcel Change ()

Show Re-Assessable Only: ☐

Recording Date	Seq. #	Re-Assessed	# Parcels	%	Ver. Code	DTT Sale Price	Assessed Value
11/20/2007	75	Yes	3	00%-0	B	\$ 16,000,160	\$ 5,812,000
11/20/2007	25	Yes	2+	00%-0	M	\$ 9,350,000	\$ 3,900,000
08/10/2007	50	Yes	2+	00%-0	M	\$ 0	\$ 3,900,000
06/20/2000	50	No		00%-0		\$ 0	\$ 234,382
12/31/1974	50	Yes		00%-0		\$ 0	\$ 0

▼ Assessment History

Show All: ☐ Hide Inactive Rolls: ☐

Showing 1 to 10 of 41 entries.

Bill Number	Bill Type	Bill Status	Date to Auditor	Recording Date	Total Value	Land Value	Improvement Value
219-PSEG				11/20/2007	\$ 5,500,000	\$ 3,700,000	\$ 1,800,000
2180000	R	A	07/19/2018	11/20/2007	\$ 5,500,000	\$ 3,700,000	\$ 1,800,000
2170000	R	A	06/26/2017	11/20/2007	\$ 5,000,000	\$ 3,400,000	\$ 1,600,000
2160000	R	A	07/05/2016	11/20/2007	\$ 5,000,000	\$ 3,400,000	\$ 1,600,000
2150000	R	A	06/23/2015	11/20/2007	\$ 5,000,000	\$ 3,400,000	\$ 1,600,000
2140000	R	A	06/24/2014	11/20/2007	\$ 4,000,000	\$ 3,400,000	\$ 600,000

Bill Number	Bill Type	Bill Status	Date to Auditor	Recording Date	Total Value	Land Value	Improvement Value
2130000	R	A	06/25/2013	11/20/2007	\$ 4,000,000	\$ 3,400,000	\$ 600,000
2120000	R	A	06/27/2012	11/20/2007	\$ 4,000,000	\$ 3,400,000	\$ 600,000
2110000	R	A	07/06/2011	11/20/2007	\$ 4,000,000	\$ 3,400,000	\$ 600,000
2100000	R	A	07/22/2010	11/20/2007	\$ 4,000,000	\$ 3,400,000	\$ 600,000

« 1 2 3 4 5 »


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 (<https://youtube.com/user/lacountyassessor>)

▼ Summary

AIN: 5722-008-017 0**Situs Address:**

525 S ARROYO PKWY
PASADENA CA 91105-2519

Use Type: Commercial
Parcel Type: Regular Fee Parcel
Tax Rate Area: 07500

Parcel Status: **ACTIVE**
Create Date: 08/16/2005
Delete Date:
Tax Status: **CURRENT**
Year Defaulted:
Exemption: None

Building (0104) & Land Overview

Use Code: 2100
Design Type: 2700
Quality Class:

of Units: 0
Beds/Baths: 0/0
Building SqFt: 2,180

Year Built: 1951
Effective Year: 1951
Land SqFt: 32,900




(<http://assessormap.co.la.ca.us/Geocortex/Essentials/REST/sites/PAIS/VirtualDirectory/AssessorMaps/ViewMap.html?val=5722-008>)

Parcel Map (<http://assessormap.co.la.ca.us/Geocortex/Essentials/REST/sites/PAIS/VirtualDirectory/AssessorMaps/ViewMap.html?val=5722-008>) / Map Index
(<http://maps.assessor.lacounty.gov/Geocortex/Essentials/REST/sites/PAIS/VirtualDirectory/AssessorMaps/ViewMap.html?val=5722-NDX>)

2019 Roll Preparation			2018 Current Roll	RC	Year	2008 Base Value
\$	4,967,862	\$	4,870,453	T	2008	\$ 4,729,453
\$	2,436,239	\$	2,388,470	T	2008	\$ 2,317,470
\$	7,404,101	\$	7,258,923			\$ 7,046,923

Assessor's Responsible Division

District: East District Office
Region: 27
Cluster: 27615 PASADENA

East District Office (<https://maps.google.com/?q=1190+Durfee+Ave.+South+El+Monte%2C+CA+91733>) 
1190 Durfee Ave.
South El Monte, CA 91733

Phone: (626) 258-6001
Toll Free: 1 (888) 807-2111
M-F 7:30 am to 5:00 pm

549 W Historic Rte 66
Pasadena, California ([https://www.google.com/maps/@34.13651021772053,-118.1474449746749,13z?](https://www.google.com/maps/@34.13651021772053,-118.1474449746749,13z?hl=en-US&gl=US)
View on Google Maps [hl=en-US&gl=US](https://www.google.com/maps/@34.1365102,-118.147445,0a,73.7y,-109.26h,90t/data=!3m4!1e1!3m2!1sP92d1VFwSCGE04Srgk0KvA!2e0?source=apiv3))
([https://www.google.com/maps/@34.1365102,-118.147445,0a,73.7y,-109.26h,90t/data=!3m4!1e1!3m2!1sP92d1VFwSCGE04Srgk0KvA!2e0?](https://www.google.com/maps/@34.1365102,-118.147445,0a,73.7y,-109.26h,90t/data=!3m4!1e1!3m2!1sP92d1VFwSCGE04Srgk0KvA!2e0?source=apiv3)
source=apiv3)





3/7

Total SqFt (GIS): 32,900
Total SqFt (PDB):
Usable SqFt: 32,830
Acres:
Land W' x D': 0 x 0

Sewers: Yes
Flight Path: No
X-Traffic: Yes
Freeway: No

Corner Lot: No
Golf Front: No
Horse Lot: No
View: None

Zoning: PSC-
Code Split: No
Impairment: None

Situs Address:
525 S ARROYO PKWY PASADENA CA 91105-2519

Legal Description *(for assessment purposes):*
M R 11-83 FOR DESC SEE ASSESSOR'S MAPS POR OF LOTS 33 AND 35 AND ALL OF LOT 34

Use Code: 2100 (Commercial)
2 = Commercial
1 = Restaurant, Cocktail Lounge
0 = Restaurant, Cocktail Lounge, Tavern
0 = One Story

Building Information

SUBPART: 0104
Design Type: 2700
Quality Class:

of Units: 0
Beds/Baths: 0/0
Building SqFt: 2,180

Year Built: 1951
Effective Year: 1951
Depreciation: UC20 // 0

RCN Other: \$ 0
RCN Other Trended: \$ 0

Year Change:**Design Type:** 2700

2 = Commercial

7 = Parking Lot (Commercial or Patron)

0 = Unused or Unknown Code (No Meaning)

0 = Unused or Unknown Code (No Meaning)

SUBPART: 0204**Design Type:** 2700**Quality Class:****# of Units:** 0**Beds/Baths:** 0/0**Building SqFt:** 8,085**Year Built:** 1951**Effective Year:** 1951**Depreciation:** UC20 / / 0**RCN Other:** \$ 0**RCN Other Trended:** \$ 0**Year Change:****Design Type:** 2700

2 = Commercial

7 = Parking Lot (Commercial or Patron)

0 = Unused or Unknown Code (No Meaning)

0 = Unused or Unknown Code (No Meaning)

SUBPART: 0304**Design Type:** 2101**Quality Class:** CX**# of Units:** 0**Beds/Baths:** 0/0**Building SqFt:** 7,427**Year Built:** 1961**Effective Year:** 1961**Depreciation:** UC35 / 4K / 0**RCN Other:** \$ 0**RCN Other Trended:** \$ 0**Year Change:** 1975

Design Type: 2101

2 = Commercial

1 = Restaurant, Cocktail Lounge, Drive-In, Coffee Shop, etc.

0 = Unused or Unknown Code (No Meaning)

1 = Air Conditioned

SUBPART: 0404**Design Type:** 3300**Quality Class:** CX**# of Units:** 0**Beds/Baths:** 0/0**Building SqFt:** 3,000**Year Built:** 1923**Effective Year:** 1923**Depreciation:** UC45 / / 0**RCN Other:** \$ 0**RCN Other Trended:** \$ 0**Year Change:****Design Type: 3300**

3 = Industrial

3 = Warehousing, Distribution, Storage

0 = Unused or Unknown Code (No Meaning)

0 = Unused or Unknown Code (No Meaning)

SUMMARY: Total**# of Units:** 0**Beds/Baths:** 0/0**Building SqFt:** 10,427**Avg SqFt/Unit:****▼ Events History**

Ownership ()

Parcel Change ()

Show Re-Assessable Only: ☐

Recording Date	Seq. #	Re-Assessed	# Parcels	%	Ver. Code	DTT Sale Price	Assessed Value
11/20/2007	75	Yes	3	00%-0	B	\$ 16,000,160	\$ 6,288,000

Recording Date	Seq. #	Re-Assessed	# Parcels	%	Ver. Code	DTT Sale Price	Assessed Value
11/20/2007	25	Yes	2+	00%-0	M	\$ 9,350,000	\$ 6,000,000
08/10/2007	50	Yes	2+	00%-0	M	\$ 0	\$ 6,000,000
06/20/2000	50	No		00%-0		\$ 0	\$ 453,574

▼ Assessment History

Show All: ☐ Hide Inactive Rolls: ☐

Showing 1 to 10 of 19 entries.

Bill Number	Bill Type	Bill Status	Date to Auditor	Recording Date	Total Value	Land Value	Improvement Value
219-PSEG				11/20/2007	\$ 7,404,101	\$ 4,967,862	\$ 2,436,239
2180000	R	A	07/19/2018	11/20/2007	\$ 7,258,923	\$ 4,870,453	\$ 2,388,470
2170000	R	A	06/26/2017	11/20/2007	\$ 6,500,000	\$ 4,360,000	\$ 2,140,000
2160000	R	A	07/05/2016	11/20/2007	\$ 5,000,000	\$ 3,000,000	\$ 2,000,000
2150000	R	A	06/23/2015	11/20/2007	\$ 5,000,000	\$ 3,000,000	\$ 2,000,000
2140000	R	A	06/24/2014	11/20/2007	\$ 4,500,000	\$ 2,900,000	\$ 1,600,000
2130000	R	A	06/25/2013	11/20/2007	\$ 4,500,000	\$ 2,900,000	\$ 1,600,000
2120000	R	A	06/27/2012	11/20/2007	\$ 4,500,000	\$ 2,900,000	\$ 1,600,000
2110000	R	A	07/06/2011	11/20/2007	\$ 4,500,000	\$ 2,900,000	\$ 1,600,000
2100000	R	A	07/22/2010	11/20/2007	\$ 4,900,000	\$ 3,300,000	\$ 1,600,000

« 1 2 »

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 (<https://www.linkedin.com/company/los-angeles-county-office-of-the-assessor>)

 (<https://youtube.com/user/lacountyassessor>)

▼ Summary

AIN: 5722-008-016 ¹**Situs Address:**

577 S ARROYO PKWY
PASADENA CA 91105-2519

Use Type: Commercial
Parcel Type: Regular Fee Parcel
Tax Rate Area: 07500

Parcel Status: **ACTIVE**
Create Date: 10/28/2003
Delete Date:
Tax Status: **CURRENT**
Year Defaulted:
Exemption: None

Building (0101) & Land Overview

Use Code: 2100
Design Type: 2101
Quality Class: DX

of Units: 0
Beds/Baths: 0/0
Building SqFt: 4,494

Year Built: 2003
Effective Year: 2003
Land SqFt: 12,610




(<http://assessormap.co.la.ca.us/Geocortex/Essentials/REST/sites/PAIS/VirtualDirectory/AssessorMaps/ViewMap.html?val=5722-008>)

Parcel Map (<http://assessormap.co.la.ca.us/Geocortex/Essentials/REST/sites/PAIS/VirtualDirectory/AssessorMaps/ViewMap.html?val=5722-008>) / Map Index
(<http://maps.assessor.lacounty.gov/Geocortex/Essentials/REST/sites/PAIS/VirtualDirectory/AssessorMaps/ViewMap.html?val=5722-NDX>)

2019 Roll Preparation		2018 Current Roll	RC	Year	2008 Base Value
\$	3,179,242 \$	3,116,904	T	2008 \$	3,093,289
\$	1,059,744 \$	1,038,965	T	2008 \$	1,031,094
\$	4,238,986 \$	4,155,869		\$	4,124,383

Assessor's Responsible Division

District: East District Office
Region: 27
Cluster: 27615 PASADENA

East District Office (<https://maps.google.com/?q=1190+Durfee+Ave.+South+El+Monte%2C+CA+91733>) 
1190 Durfee Ave.
South El Monte, CA 91733

Phone: (626) 258-6001
Toll Free: 1 (888) 807-2111
M-F 7:30 am to 5:00 pm

W Historic Rte 66
Pasadena, California (<https://www.google.com/maps/@34.13596745460401,-118.14744246218561,13z?hl=en-US&gl=US>)
View on Google Maps
(<https://www.google.com/maps/@34.1359675,-118.1474425,0a,73.7y,-66.25h,90t/data=!3m4!1e1!3m2!1sDdP0eXI2uGJ5iZi35zHURQ!2e0?source=apiv3>)





Use Code = 2100 (Commercial)

Total SqFt (GIS): 12,610
Total SqFt (PDB): 12,154
Usable SqFt: 12,596
Acres:
Land W' x D': 103 x 118

Sewers: Yes
Flight Path: No
X-Traffic: No
Freeway: No

Corner Lot: Yes
Golf Front: No
Horse Lot: No
View: None

Zoning: PSC-
Code Split: No
Impairment: None

Situs Address:
577 S ARROYO PKWY PASADENA CA 91105-2519

Legal Description *(for assessment purposes):*
M R 11-83 E 109 FT OF S 130 FT MEASURED ON W LINE EX OF ST OF LOT 35

Use Code: 2100 (Commercial)
2 = Commercial
1 = Restaurant, Cocktail Lounge
0 = Restaurant, Cocktail Lounge, Tavern
0 = One Story

Building Information

SUBPART: 0101
Design Type: 2101
Quality Class: DX

of Units: 0
Beds/Baths: 0/0
Building SqFt: 4,494

Year Built: 2003
Effective Year: 2003
Depreciation: MC35 / / 0

RCN Other: \$ 0
RCN Other Trended: \$ 0

Year Change: 2004

Design Type: 2101

2 = Commercial

1 = Restaurant, Cocktail Lounge, Drive-In, Coffee Shop, etc.

0 = Unused or Unknown Code (No Meaning)

1 = Air Conditioned

SUMMARY: *Total*

of Units: 0

Beds/Baths: 0/0

Building SqFt: 4,494

Avg SqFt/Unit:

▼ Events History

Ownership ()

Parcel Change ()

Show Re-Assessable Only: ☐

Recording Date	Seq. #	Re-Assessed	# Parcels	%	Ver. Code	DTT Sale Price	Assessed Value
11/30/2007	50	Yes	1	00%-0	A	\$ 3,600,036	\$ 3,600,000
08/21/2002	75	Yes	1	00%-0	K	\$ 0	\$ 720,999

▼ Assessment History

Show All: ☐ Hide Inactive Rolls: ☐

Showing 1 to 10 of 21 entries.

Bill Number	Bill Type	Bill Status	Date to Auditor	Recording Date	Total Value	Land Value	Improvement Value
219-PSEG				11/30/2007	\$ 4,238,986	\$ 3,179,242	\$ 1,059,744
2180000	R	A	07/19/2018	11/30/2007	\$ 4,155,869	\$ 3,116,904	\$ 1,038,965
2170000	R	A	06/26/2017	11/30/2007	\$ 4,074,383	\$ 3,055,789	\$ 1,018,594
2160000	R	A	07/05/2016	11/30/2007	\$ 3,550,000	\$ 2,662,500	\$ 887,500
2150000	R	A	06/23/2015	11/30/2007	\$ 2,700,000	\$ 1,720,000	\$ 980,000
2140000	R	A	06/24/2014	11/30/2007	\$ 2,380,000	\$ 1,420,000	\$ 960,000
2130000	R	A	06/25/2013	11/30/2007	\$ 2,130,000	\$ 1,230,000	\$ 900,000
2120000	R	A	06/27/2012	11/30/2007	\$ 2,130,000	\$ 1,230,000	\$ 900,000
2110000	R	A	07/06/2011	11/30/2007	\$ 2,130,000	\$ 1,230,000	\$ 900,000
2100001	C	A	03/18/2012	11/30/2007	\$ 2,200,000	\$ 1,600,000	\$ 600,000

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1


2


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 (<https://youtube.com/user/lacountyassessor>)

- Local Agency Records

CASE SEARCH RESULTS

[Search Again](#)

Case Number	Type	Status	Description	Related Links		
BLD2005-01465	BLD	FNL	CONSTRUCTION OF NEW MARKET (CORE & SHELL ONLY) 2 STORY OF 90720 S/F AND 3 LEVELS GARAGE OF 152712 S/F.	Case Summary	Plan Review	Inspection Summary
BLD2005-01543	BLD	FNL	FOUNDATION PERMIT ONLY FOR NEW MARKET	Case Summary	Plan Review	Inspection Summary
ELE2006-01646	ELE	FNL	ELECTRICAL FOR CORE & SHELL	Case Summary		Inspection Summary
BLD2006-01489	BLD	FNL	TENANT IMPROVEMENT FOR NEW RETAIL MARKET (WHOLE FOODS)	Case Summary	Plan Review	Inspection Summary
MEC2006-01229	MEC	FNL	INSTALL VENTILATION SYSTEM FOR PARKING GARAGE	Case Summary		Inspection Summary
FIR2008-00256	FIR	ISS	INSTALL (422) NEW FIRE ALARM DEVICES, FOR A NEW FIRE ALARM SYSYTEM	Case Summary		Inspection Summary
FIR2011-00453	FIR	REC	REPLACE 6 PRODUCE REFRIGERATED CASES AND ONE FOOD CASE WITH NEW	Case Summary		Inspection Summary
BLD2011-01103	BLD	FNL	REPLACE (6) REFRIGERATED CASES, REPLACE EXISTING TAQUERIA COOKING EQUIPMENT, INSTALL NEW ACCESSIBLE SERVICE COUNTER & DINING AREA AND RELOCATE (1) FLOOR SINK.	Case Summary	Plan Review	Inspection Summary
BLD2011-01275	BLD	FNL	VOLUNTARY DISABLED ACCESS UPGRADES; MODIFY PORTION OF EXISTING ENTRY RAMP, PARKING STALLS AND PATH OF TRAVEL	Case Summary	Plan Review	Inspection Summary
PLN2012-00014	PLN	ASG	NEW DIRECTIONAL SIGNAGE	Case Summary		
MEC2012-00121	MEC	FNL	INSTALL REFRIGERATED CASES	Case Summary		Inspection Summary
PLM2012-00248	PLM	FNL	INSTALL PLUMBING SERVICES FOR TENANT IMPROVEMENT	Case Summary		Inspection Summary
ELE2012-00259	ELE	FNL	INSTALL ELECTRICAL SERVICES FOR TENANT IMPROVEMENT	Case Summary		Inspection Summary
CCI2014-02577	CCI	APR	CODE COMPLIANCE CERTIFICATE * ECO ATM INC KIOSK THAT PURCHASES USED ELECTRONICS. KIOSK LOCATED INSIDE GROCERY STORE	Case Summary		Inspection Summary
PLN2014-00555	PLN	APR	ZONING VERIFICATION LETTER REQUEST	Case Summary		
ELE2014-	ELE	FNL	ELECTRICAL FOR (3) CIRCUIT BREAKERS	Case		Inspection

01835					Summary	Summary
PLM2015-00353	PLM	FNL	INSTALL (2) INTERCEPTOR	Case Summary		Inspection Summary
189-15	FLM	REC	PD HOURS: 5-5-15 THURSTON & GAWLIK 6 HRS EACH	Case Summary		
192-15	FLM	REC	Refund Processed on 6/2/2015. ALD.	Case Summary		
BLD2016-00859	BLD	FNL	TENANT IMPROVEMENT AT 1600 S/F FOR KITCHEN AREA; REPLACING EQUIPMENT LIKE TO LIKE & SCULLERY; DISHWASHER ROOM AT 480 S/F (WHOLE FOODS MARKET)	Case Summary	Plan Review	Inspection Summary
CCI2018-03604	CCI	REC	CODE COMPLIANCE CERTIFICATE " HOUSE BREWERY"; SMALL BEER MANUFACTURE	Case Summary		Inspection Summary
MEC2007-00453	MEC	FNL	INSTALL MECHANICAL SERVICES FOR NEW CONSTRUCTION OF WHOLE FOODS	Case Summary		Inspection Summary
ELE2007-00735	ELE	FNL	ELECTRICAL T.I. FOR WHOLE FOODS MARKET	Case Summary		Inspection Summary
FIR2007-00150	FIR	FNL	FIRE SPRINKLER T.I. ADDING 233 HEADS	Case Summary		Inspection Summary
MEC2007-00571	MEC	FNL	INSTALL SUPERMARKET REFRIGERATION	Case Summary		Inspection Summary
PLM2007-00656	PLM	FNL	INSTALL PLUMBING FOR TENANT IMPROVEMENT WHOLE FOOD MARKET	Case Summary		Inspection Summary
FIR2007-00179	FIR	REC	NEW FIRE COMMUNICATION INSTALLATION	Case Summary		Inspection Summary
FIR2007-00331	FIR	ISS	REFRIGERATION SYSTEM FOR WHOLE FOODS MARKET	Case Summary		Inspection Summary
FIR2007-00359	FIR	FNL	NEW INSTALLATION OF HOOD SUPPRESSION SYSTEM IN PRODUCE AREA	Case Summary		Inspection Summary
FIR2007-00360	FIR	FNL	NEW INSTALLATION OF HOOD SUPPRESSION SYSTEM IN PRODUCE PREP AREA	Case Summary		Inspection Summary
FIR2007-00361	FIR	FNL	NEW INSTALLATION OF HOOD SUPPRESSION SYSTEM IN SMOKER AREA	Case Summary		Inspection Summary
FIR2007-00362	FIR	FNL	NEW INSTALLATION OF HOOD SUPPRESSION SYSTEM IN SHORT CUT CHEF AREA	Case Summary		Inspection Summary
FIR2007-00363	FIR	FNL	NEW INSTALLATION OF HOOD SUPPRESSION SYSTEM IN ASIAN AREA	Case Summary		Inspection Summary
FIR2007-00367	FIR	FNL	NEW INSTALLATION OF FIRE SUPPRESSION SYSTEM IN MAIN KITCHEN	Case Summary		Inspection Summary
FIR2007-00368	FIR	FNL	NEW INSTALLATION OF FIRE SUPPRESSION SYSTEM IN PREPARED FOODS AREA	Case Summary		Inspection Summary

FIR2007-00369	FIR	FNL	NEW INSTALLATION OF FIRE SUPPRESSION SYSTEM IN PREPARED PRODUCE AREA 2	Case Summary		Inspection Summary
FIR2007-00370	FIR	FNL	NEW INSTALLATION OF FIRE SUPPRESSION SYSTEM IN PREPARED PRODUCE AREA 3	Case Summary		Inspection Summary
FIR2007-00371	FIR	FNL	NEW INSTALLATION OF FIRE SUPPRESSION SYSTEM IN ITALIAN AREA	Case Summary		Inspection Summary
FIR2007-00372	FIR	FNL	NEW INSTALLATION OF FIRE SUPPRESSION SYSTEM IN ASIAN ISLAND AREA	Case Summary		Inspection Summary
BLD2007-01236	BLD	FNL	STEEL TRELLIS TO EXTERIOR, NORTH ELEVATION	Case Summary	Plan Review	Inspection Summary
BMN2007-01434	BMN	FNL	(3) SETS OF CHANNNEL LETTERS TO BE INSTALLED	Case Summary		Inspection Summary
FIR2007-00403	FIR	FNL	INSTALLATION OF DUCT SPRINKLERS FOR WHOLE FOODS MARKET (60 HEADS)	Case Summary		Inspection Summary
BMN2009-00762	BMN	FNL	8 NEW AWNING 11'-5" X 2'-6" WITH 5 NEW AWINING SIGNS	Case Summary		Inspection Summary
FIR2009-00268	FIR	ISS	INSTALLATION OF REFRIGERATION SYSTEM AND UPS SYSTEM FOR WHOLE FOOD STORE	Case Summary		Inspection Summary
028-13	FLM	REC		Case Summary		
CCI2013-00408	CCI	APR	CODE COMPLIANCE CERTIFICATE ~ KIKKA AT WHOLE FOODS ARROYO	Case Summary		Inspection Summary
ELE2013-01509	ELE	FNL	PARKING GARAGE LIGHTING UPGRADES FROM 78 FLOURESCENTS AND HID METALHALIDE TO LED LIGHT FIXTURES.	Case Summary		Inspection Summary
ELE2014-00149	ELE	FNL	INSTALLATION OF 2 ELECTRICAL VEHICAL CHARGING STATIONS	Case Summary		Inspection Summary
PLN2014-00202	PLN	APR	MINOR MODIFICATION TO CUP 4425 TO ALLOW BEER AND WINE TASTING WITHIN EXISTNG WHOLEFOODS SUPERMARKET ABC LICENSE TYPE 21. ADMINISTRATIVE APPROVAL.	Case Summary		
BLD2014-00674	BLD	FNL	TENANT IMPROVEMENT ON 2ND FLOOR AT 2,012 SQUARE FEET	Case Summary	Plan Review	Inspection Summary
PLN2014-00324	PLN	APR	MODIFICATION TO CONDITIONAL USE PERMIT #4425 TO ALLOW ONSITE BEER AND WINE FOR NEW ANCILLARY RESTAURANT USE WITHIN EXISTING PRIMARY FOOD SALES (WHOLE FOODS MARKET).	Case Summary		
FIR2014-00378	FIR	ISS	FIRE SPRINKLER T.I. (23) HEADS	Case Summary		Inspection Summary
PLM2014-01290	PLM	FNL	PLUMBING FIXTURES FOR TENANT IMPROVMENTMENT AT 2,012 SQUARE FEET	Case Summary		Inspection Summary

ELE2014-01427	ELE	FNL	TEMPORARY POWER FOR TENANT IMPROVEMENT	Case Summary	Inspection Summary
ELE2014-01428	ELE	FNL	INSTALLATION OF FIVE (5) BRANCH CIRCUIT BREAKERS FOR TENANT IMPROVEMENT	Case Summary	Inspection Summary
PLM2017-00227	PLM	FNL	INSTALL PLUMBING SERVICES FOR TENANT IMPROVEMENT	Case Summary	Inspection Summary
CCI2017-03506	CCI	APR	CODE COMPLIANCE CERTIFICATE "AMAZON RETAIL, LLC" RETAIL SALES	Case Summary	Inspection Summary
ELE2017-01693	ELE	ISS	ELECTRICAL FOR (1) FIBEROPTIC CABLE FROM MANHOLE	Case Summary	Inspection Summary
PLN2017-00636	PLN	COM	ZONING VERIFICATION LETTER REQUEST BY PZR	Case Summary	
PLM2010-00797	PLM	EXP	ADD (2) FLOOR SINKS	Case Summary	Inspection Summary
ELE2010-00868	ELE	FNL	RELOCATE REFRIGERATED CASE ELECTRICAL WIRING	Case Summary	Inspection Summary
043-11	FLM	REC		Case Summary	
PLM2011-00227	PLM	FNL	REPLACE GREASE INTERCEPTOR	Case Summary	Inspection Summary
150-11	FLM	REC		Case Summary	

CASE SEARCH RESULTS

[Search Again](#)

Case Number	Type	Status	Description	Related Links	
98-00822	ELE	FNL	ELECTRICAL INSPECTION OF SERVICE OFF OVER ONE YEAR	Case Summary	Inspection Summary
98CT1637	CTP	CLS	OPERATING AUTO DETAILING W/OUT CUP	Case Summary	Inspection Summary
98Z0144	CCI	APR	OFFICE	Case Summary	Inspection Summary
99Z-0036	PLN	REC	AUTO WASHING/DETAILING	Case Summary	
CCI2004-00796	CCI	APR	BUSINESS LICENSE INSPECTION	Case Summary	Inspection Summary
CTP2005-02489	CTP	CLS	BANNER SIGN WITHOUT PERMIT	Case Summary	Inspection Summary
CTP2005-02519	CTP	CLS	BANNER SIGN WITHOUT PERMIT	Case Summary	Inspection Summary
CCI2009-01710	CCI	APR	CODE COMPLIANCE CERTIFICATE	Case Summary	Inspection Summary
99CC0078	CTP	CLS	BUSINESS W/O CUP	Case Summary	Inspection Summary
HP001446	HBP	CLS	ARCHIVED PERMIT FILES FOR THIS ADDRESS	Case Summary	
CCI-MSC-07562	CCI	CLS	PROACTIVE MISCELLANEOUS INSPECTION	Case Summary	Inspection Summary
FPI2007-02432	FPI	REC	frank's detail center/ auto detail center	Case Summary	Inspection Summary
CCI2008-00789	CCI	HLD	CODE COMPLIANCE CERTIFICATE	Case Summary	Inspection Summary
CTP2009-03025	CTP	CLS	BANNAER WITHOUT PERMIT	Case Summary	Inspection Summary
CTP2009-03028	CTP	CLS	BANNERS WITHOUT PERMIT	Case Summary	Inspection Summary
TUP2009-01157	TUP	ISS	TEMPORARY SIGN PERMIT	Case Summary	
BDB-0016640	BDB	CLS	HISTORIC BUILDING DIAGRAM	Case Summary	
BLD2009-	BLD	FNL	SEISMIC RETROFIT - URM BLDG.	Case	Plan Inspection

01071					Summary	Review	Summary
FPP2010-00006	FPP	ISS	Fight Academy Proving Grounds		Case Summary		Inspection Summary
CTP2010-00341	CTP	CLS	CONDUCTING SPORTING EVENTS WITHOUT A USE PERMIT		Case Summary		Inspection Summary
CTP2010-00430	CTP	CLS	ELLEN CALLED/ AS PER JONP/ CHECK ON FENCE PERMIT		Case Summary		Inspection Summary
CTP2010-00434	CTP	CLS	BANNERS WITHOUT PERMITS		Case Summary		Inspection Summary
CTP2010-00435	CTP	CLS	BANNER WITHOUT PERMIT		Case Summary		Inspection Summary
CTP2014-01085	CTP	CLS	POSSIBLE WORK WITHOUT PERMITS AND ACCESSIBILITY VIOLATIONS.		Case Summary		Inspection Summary
BLD2010-00427	BLD	FNL	CONTRUCT NEW STOREFRONTS		Case Summary	Plan Review	Inspection Summary
ELE2010-00786	ELE	FNL	REPLACE EXISTING 100 AMP METER		Case Summary		Inspection Summary

CASE SEARCH RESULTS

[Search Again](#)

Case Number	Type	Status	Description	Related Links		
CTP2001-02090	CTP	INV	EMPTY BUILDING WHERE HOMELESS BREAK IN AT NIGHTS AND BUILD FIRES.	Case Summary		Inspection Summary
DEM2004-00059	DEM	EXP	INTERIOR DEMOLITION OF NON-BEARING WALLS FOR FUTURE T.I.	Case Summary		Inspection Summary
BLD2011-00971	BLD	FNL	TENANT IMPROVEMENT OF 7281 S/F AS RETAIL & DOGGY DAY-CARE	Case Summary	Plan Review	Inspection Summary
PLN2011-00470	PLN	APR	NEW WALL SIGNS	Case Summary		
BMN2011-01318	BMN	EXP	INSTALLATION OF NON ILLUMINATED WALL SIGN	Case Summary		Inspection Summary
ELE2011-01635	ELE	FNL	INSTALL ELECTRICAL SERVICES FOR TENANT IMPROVEMENT	Case Summary		Inspection Summary
MEC2011-01085	MEC	FNL	INSTALL MECHANICAL SERVICES FOR TENANT IMPROVEMENT	Case Summary		Inspection Summary
PLM2011-01595	PLM	FNL	INSTALL PLUMBING SERVICES FOR TENANT IMPROVMENT	Case Summary		Inspection Summary
FIR2012-00070	FIR	ISS	INSTALLATION OF FIRE ALARM SYSTEM	Case Summary		Inspection Summary
HP001447	HBP	CLS	ARCHIVED PERMIT FILES FOR THIS ADDRESS	Case Summary		
CCI-MSC-07563	CCI	CLS	PROACTIVE MISCELLANEOUS INSPECTION	Case Summary		Inspection Summary
CTP2007-00931	CTP	CLS	CA GOVT. CODE SEC. 8875.8 "NO WARNING NOTICE"	Case Summary		Inspection Summary
BDB-0016641	BDB	CLS	HISTORIC BUILDING DIAGRAM	Case Summary		
BDB-0016642	BDB	CLS	HISTORIC BUILDING DIAGRAM	Case Summary		
BDB-0038807	BDB	CLS	HISTORIC BUILDING DIAGRAM	Case Summary		
BLD2009-01072	BLD	FNL	SEISMIC RETROFIT - URM BLDG.	Case Summary	Plan Review	Inspection Summary
CCI2013-00241	CCI	REC	CODE COMPLIANCE CERTIFICATE ~ K9 LOFT INC	Case Summary		Inspection Summary
FPI2013-	FPI	REC	LIFE AND FIRE SAFETY INSPECTION K-9 LOFT	Case		Inspection

00089			2013		Summary	Summary
FIR2017-00320	FIR	ISS	CHANGE FIRE ALARM MONITORING DACT TO SINGLE PATH CELLULAR COMMUNICATOR		Case Summary	Inspection Summary
BLD2010-00338	BLD	FNL	DEMOLISH 2 EXISTING TOILETS, REBUILD 2 NEW HANDICAP ACCESSIBLE TOILETS WITHIN AN EXISTING COMMERCIAL BLDG. NO ADDITIONAL FLOOR AREA.		Case Summary	Plan Review Inspection Summary
ELE2010-00378	ELE	EXP	ELECTRICAL FOR BATH REMODEL & ELECTRIC WATER HEATERS		Case Summary	Inspection Summary
PLM2010-00364	PLM	EXP	TWO NEW TOILETS WHININ AN EXISTING BUILDING INTERIOR WORK ONLY		Case Summary	Inspection Summary
BMN2010-00397	BMN	FNL	REROOF. REMOVE ALL EXISTING ROOF COVERINGS. INSTALL NEW B.U.R. CLASS 'A' COOL ROOF. NO FRAMING. NO NEW S/F.		Case Summary	Inspection Summary
BLD2010-00428	BLD	FNL	CONTRUCT NEW STOREFRONTS		Case Summary	Plan Review Inspection Summary
ELE2010-00787	ELE	FNL	REPLACE EXISTING 100 AMP METER		Case Summary	Inspection Summary
MEC2010-00509	MEC	EXP	INSTALL (2) VENT FANS FOR SFR BATHROOM REMODEL		Case Summary	Inspection Summary

CASE SEARCH RESULTS

[Search Again](#)

Case Number	Type	Status	Description	Related Links		
RF105225	BMN	CLS	RF - REROOF WITH UNITED STATES GYPSUM ULR2462	Case Summary		Inspection Summary
RF105274	BMN	CLS	RF - REROOF WITH ULR2462 U.S GYPSUM CLASS B OR BET (2ND BLDG)	Case Summary		Inspection Summary
CTP2012-00107	CTP	CLS	Trash, litter, debris and vegetation from wind damage that has not been cleaned up.	Case Summary		Inspection Summary
PLN2015-00405	PLN	REC	ZONING VERIFICATION REQUEST	Case Summary		
HP001449	HBP	CLS	ARCHIVED PERMIT FILES FOR THIS ADDRESS	Case Summary		
CTP2003-02109	CTP	INV	VACANT BUILDING - UNSECURED (HOMELESS LOITERING AT REAR)	Case Summary		Inspection Summary
CCI-MSC-07565	CCI	CLS	PROACTIVE MISCELLANEOUS INSPECTION	Case Summary		Inspection Summary
FPI2007-02433	FPI	REC		Case Summary		Inspection Summary
BLD2009-01073	BLD	FNL	SEISMIC RETROFIT - URM BLDG.	Case Summary	Plan Review	Inspection Summary
ELE2010-00114	ELE	EXP	UPGRADE ELECTRICAL TO 400 AMP	Case Summary		Inspection Summary
BLD2010-00136	BLD	FNL	INTERIOR REMODEL TO CREATE (2) NEW HANDICAP TOILETS	Case Summary	Plan Review	Inspection Summary
PLN2017-00637	PLN	COM	ZONING VERIFICATION LETTER REQUEST BY PZR	Case Summary		
ELE2010-00482	ELE	EXP	ELECTRICAL FIXTURES FOR NEW H/C BATHROOM	Case Summary		Inspection Summary
PLM2010-00469	PLM	EXP	INSTALL SINKS & TOILETS FOR NEW H/C BATHROOM	Case Summary		Inspection Summary
ELE2010-00600	ELE	FNL	REPLACE OLD 100 AMP METER WITH NEW 100 AMP, SAME LOCATION	Case Summary		Inspection Summary
MEC2010-00508	MEC	EXP	INSTALL (2) NEW BATROOM FANS FOR SFR REMODEL	Case Summary		Inspection Summary

CASE SEARCH RESULTS

[Search Again](#)

Case Number	Type	Status	Description	Related Links	
CTP2005-03285	CTP	CLS	Verify URM Status & if occupied of 495, 499, 501& 503 S. Arroyo Pkwy(501 not listed as existing on Tidemark) (URM 499-Huntington Desk Co?)	Case Summary	Inspection Summary
PLN2015-00406	PLN	ASG	ZONING VERIFICATION REQUEST	Case Summary	
HP001450	HBP	CLS	ARCHIVED PERMIT FILES FOR THIS ADDRESS	Case Summary	
CCI-MSC-07566	CCI	CLS	PROACTIVE MISCELLANEOUS INSPECTION	Case Summary	Inspection Summary
CCI2008-00790	CCI	HLD	CODE COMPLIANCE CERTIFICATE	Case Summary	Inspection Summary
PLN2017-00638	PLN	COM	ZONING VERIFICATION LETTER REQUEST BY PZR	Case Summary	

CASE SEARCH RESULTS

[Search Again](#)

Case Number	Type	Status	Description	Related Links	
CTP2005-03285	CTP	CLS	Verify URM Status & if occupied of 495, 499, 501& 503 S. Arroyo Pkwy(501 not listed as existing on Tidemark) (URM 499-Huntington Desk Co?)	Case Summary	Inspection Summary
PLN2015-00406	PLN	ASG	ZONING VERIFICATION REQUEST	Case Summary	
HP001450	HBP	CLS	ARCHIVED PERMIT FILES FOR THIS ADDRESS	Case Summary	
CCI-MSC-07566	CCI	CLS	PROACTIVE MISCELLANEOUS INSPECTION	Case Summary	Inspection Summary
CCI2008-00790	CCI	HLD	CODE COMPLIANCE CERTIFICATE	Case Summary	Inspection Summary
PLN2017-00638	PLN	COM	ZONING VERIFICATION LETTER REQUEST BY PZR	Case Summary	

CASE SEARCH RESULTS

[Search Again](#)

Case Number	Type	Status	Description	Related Links	
DEM2002-00028	DEM	FNL	DEMO EXISTING BLDG & CANOPIES ONLY FOR SERVICE STATION - NO NEW S/F - DEMO ONLY	Case Summary	Inspection Summary
PLN2004-00091	PLN	CAN	CREATIVE SIGN PERMIT FOR A NEON SIGN ATTACHED TO AN ARCHITECTURAL PROJECTION AT DONA ROSA RESTAURANT. PLEASE NOTE THAT THE CREATIVE SIGN PERMIT WAS NOT NECESSARY IN THIS CASE SINCE THE SIGN CAN BE CONSIDERED A PROJECTING SIGN.	Case Summary	
CTP2004-01553	CTP	CLS	"DONA ROSA RESTAURANT" -- BANNER SIGNS.	Case Summary	Inspection Summary
CCI2006-01968	CCI	APR	code compliance certificate	Case Summary	Inspection Summary
CCI2006-01999	CCI	APR	code compliance certificate	Case Summary	Inspection Summary
BMN2006-01410	BMN	EXP	RE ROOF RESTAURANT W/CLASS A BUILT UP ROOF	Case Summary	Inspection Summary
CTP2018-01238	CTP	CLS	The fence at Dona Rosa is open at 2 places	Case Summary	Inspection Summary
CTP2004-03619	CTP	CLS	2 BANNER SIGNS.	Case Summary	Inspection Summary
TUP2005-00016	TUP	ISS	BANNER PERMIT	Case Summary	
FPI2007-02510	FPI	REC	2010 annual public assembly inspection of Dona Rosa Bakery & Taqueria. Violations noted; see inspection notice	Case Summary	Inspection Summary
CTP2017-00007	CTP	CLS	UNSECURED VACANT PROPERTY - DONA ROSA	Case Summary	Inspection Summary
PLN2017-00640	PLN	COM	ZONING LETTER REQUEST BY PZR	Case Summary	

CASE SEARCH RESULTS

[Search Again](#)

Case Number	Type	Status	Description	Related Links	
CTP2018-01526	CTP	CLS	The Uhaul property is filled with trash as you walk along california Blvd and wait at train light.	Case Summary	Inspection Summary
CTP2017-00580	CTP	CLS	trash all over parking lot	Case Summary	Inspection Summary



engineering | environmental | capital planning | project management

To: Records Request	Date: February 28, 2019
Department: Pasadena Fire Department	
Telephone: 626.744.4655	Pages: 1
Fax: 626.585.9466	

Re: 112-118 East Bellevue Drive 441-577 South Arroyo Parkway 101-125 East California Boulevard Pasadena, CA 91105	EMG Project No: 136895.19R000-001.135
--	---------------------------------------

EMG is an environmental consulting firm conducting an investigation on behalf of the property owner of current and historical conditions which could potentially impact the environmental condition of the above-referenced property. Through the Freedom of Information Act (FOIA), we request any available information on file which is related to potential environmental issues concerning the above-referenced property including:

How far back are records maintained by this Department <input type="checkbox"/>	
Are there any required Department environmental permits, registrations, or notifications, and if any, the compliance status and any reported violations (including violation status) <input type="checkbox"/>	
Are there any petroleum product/hazardous material storage tanks, both aboveground and underground <input type="checkbox"/>	
Are there any releases of petroleum products and/or hazardous materials <input type="checkbox"/>	

This completed form and any follow-up documentation may be faxed to 410.785.6220, emailed to jschulz@emgcorp.com or mailed to:

EMG
Attn: RFIs
10461 Mill Run Circle, Suite 1100
Owings Mills, Maryland 21117

If you need additional information to complete this request, please contact me at 949.842.0528 or jschulz@emgcorp.com. Thank you for your prompt attention to this matter.

Sincerely,

Jeanie Schulz
Project Manager

- Project Regulatory Records



Terry Tamminen
Secretary for
Environmental
Protection

California Regional Water Quality Control Board

Los Angeles Region

Over 51 Years Serving Coastal Los Angeles and Ventura Counties
Recipient of the 2001 *Environmental Leadership Award* from Keep California Beautiful

320 W. 4th Street, Suite 200, Los Angeles, California 90013
Phone (213) 576-6600 FAX (213) 576-6640 - Internet Address: <http://www.swrcb.ca.gov/rwqcb4>



Arnold Schwarzenegg
Governor

October 22, 2004

Mr. Rodney Scully
125 ECP, LLC
433 North Camden Drive, Suite 1070
Beverly Hills, CA 90210

**UNDERGROUND TANK PROGRAM - NOTIFICATION TO FEE TITLE HOLDER
WITH INTENT TO CLOSE CASE
FORMER ARCO SERVICE STATION NO. 510
125 EAST CALIFORNIA BOULEVARD, PASADENA (ID # 911050025)**

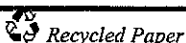
Dear Mr. Scully,

The California Regional Water Quality Control Board, Los Angeles Region, is the primary agency with primary responsibility for the protection of ground and surface water quality for all beneficial uses within Los Angeles and Ventura counties. As such, we are the lead regulatory agency for overseeing corrective action and cleanup of releases from leaking underground storage tank systems at the site located at **125 East California Boulevard, Pasadena**. We have completed our review and evaluation of information provided to this agency for the underground storage tank release(s) at the above-described location, and have determined that this case meets the Regional Board low risk criteria for case closure.

Pursuant to recent changes of the California Health and Safety Code (Sections 25299.37.2) and Division 7 the Porter Cologne Water Quality Control Act under AB 681, the Regional Board is required to notify all current fee title holders for a site impacted by underground storage tank release(s) prior to considering corrective action or granting case closure. You have been identified as a fee title holder for the subject site or a site impacted by an underground storage tank release and we are notifying you of our plan to close this low risk underground storage tank case. In order to expedite the closure process we are requesting that you provide us with any comments on the proposed plan to close this case in writing by **November 22, 2004**. If you do not wish to participate, you need not respond. If we do not receive a response by **November 22, 2004**, the case will be closed and you will be notified of our action.

If you wish to obtain additional information about the case, you may arrange to review the UST case file for this site by mailing in a written request by the response date to the address in the letterhead above or by faxing in a written request to (213) 576-6707. Regional Board staff will then contact you and arrange a time and date to visit the Regional Board and review the files requested.

California Environmental Protection Agency



Our mission is to preserve and enhance the quality of California's water resources for the benefit of present and future generations.

Mr. Rodney Scully
125 ECP, LLC

- 2 -

October 22, 2004

If you need additional information, please call Ms. Chandra Cansler at (213) 576-6701 or email her at ccansler@rb4.swrcb.ca.gov.

Sincerely,



Yi Lu, Ph.D., R.G.

Chief of Los Angeles Watershed Unit
Underground Storage Tank Section

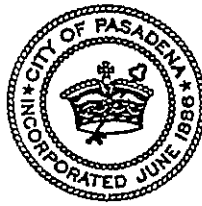
Cc: Yvonne Shanks, State Water Resources Control Board, UST Cleanup Fund
James Weckerle, City of Pasadena Fire Department, Underground Tanks
Bruce Mowry, Upper Los Angeles River Area Watermaster
Gareth Roberts, Secor

California Environmental Protection Agency



Recycled Paper

Our mission is to preserve and enhance the quality of California's water resources for the benefit of present and future generations.



FIRE DEPARTMENT

May 24, 2000

ARCO Products Co.
EH&S- William Zapka
PO Box 6038
Artesia, CA 90702-6038

**Subject: Underground Storage Tank Closure Activities at ARCO Facility #510,
125 E California Bl., in Pasadena, California [PFD ID 000042]**

Dear Mr. Zapka:

This letter contains some important clarifications that you should consider in addition to the accompanying "closure" or "no further action" letter. These letters should always be filed and reviewed together in order to accurately reflect the status of this property.

The "no further action" letter indicates that you have complied with the regulatory requirements for site investigation and/or site remediation at this site, at this time. It does not indicate that the site is free from contamination. In fact, contamination is present at the site. The contamination, as it currently exists, is below the level of regulatory concern. However, if the site is excavated or subsurface work is conducted, excavated materials may be regulated and site workers may require protective equipment.

Additionally, while no further action is required relating to the contamination at this time, neither this letter nor the accompanying letter should be viewed as a guarantee that the property can be used without restriction. Each project proposed for this site should be evaluated to ensure that the specific project will not impact the health of workers at the site, off-site members of the community, water quality, or have other environmental impacts.

To restate, this letter is provided to merely clarify some issues not fully addressed in the accompanying "no further action" letter. This letter does not change the determination that no further action is required at this site, at this time.

If you have any questions, please contact this office at (626) 744-4115.

Sincerely,

A handwritten signature in cursive script that reads "James C. Weckerle".

James C. Weckerle
Hazardous Materials Specialist

Additional clarifying documents attached: [YES]



2 yer's copy

27141 Aliso Creek Road
Suite 270
Aliso Viejo, California 92656
U.S.A.
949/362-3077
FAX: 949/362-0290

August 26, 1999

Mr. James Weckerle
City of Pasadena Fire Department
Underground Storage Tank Unit
199 South Los Robles Avenue, Suite 550
Pasadena, California 91101-2458

Subject: Request for Closure
ARCO Facility No. 510
125 East California Boulevard
Pasadena, California
Delta Project No. L098-628

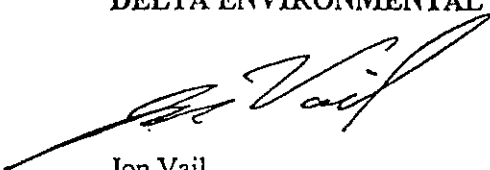
Dear Mr. Weckerle:

Delta Environmental Consultants, Inc. (Delta) is contracted by ARCO Products Company (ARCO) to obtain information from the Pasadena Fire Department concerning closure at ARCO Facility No. 510, located at 125 East California Boulevard in Pasadena, California. A request for closure letter report, dated February 23, 1998 was submitted to you by Brown and Caldwell, Inc. (ARCO's previous consultant for this site). We request your review of this site and your concurrence with our recommendation for closure. We appreciate your attention in this matter.

If you have any questions, please contact me at (949) 363-3306.

Sincerely,

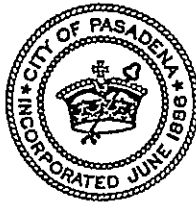
DELTA ENVIRONMENTAL CONSULTANTS, INC.



Jon Vail
Project Manager

cc: Mr. Calvin Wells, Fire Marshall, Pasadena Fire Department, Pasadena, California
Mr. Tony Brown, Project Engineer, ARCO Products Company, Menifee, California

JSV:njm(h:\users\projects.98\98-628\rfc.doc)



FIRE DEPARTMENT

DEC 30 1999

December 28, 1999

1098-628

John Vail
Delta Environmental Consultants, Inc
27141 Aliso Creek Rd, Suite 270
Aliso Viejo, CA 92656

Subject: Notice of Detection of Site Contamination and Landowner Notification
Requirements for ARCO Facility 510, 125 E California Bl., in Pasadena,
California

Dear Name:

This letter serves as notice to you that your facility has been determined to have suffered an unauthorized release of a hazardous substance from an underground storage tank system. As such, you are subject to, and directed to comply with, the corrective action and landowner notification requirements contained in Chapter 6.7 of the California Health and Safety Code.

This letter is to inform you of legislative requirements pertaining to cleanup and closure of sites where an unauthorized release of hazardous substance, including petroleum, has occurred from an underground storage tank (UST). Section 25297.15(a) of Ch. 6.7 of the Health & Safety Code requires the primary or active responsible party to notify all current record owners of fee title to the site of: 1) a site cleanup proposal, 2) a site closure proposal, 3) a local agency intention to make a determination that no further action is required, and 4) a local agency intention to issue a closure letter. Section 25297.15(b) requires the local agency to take all reasonable steps to accommodate responsible landowners' participation in the cleanup or site closure process and to consider their input and recommendations.

For purposes of implementing these sections, you or your client has been identified as the primary or active responsible party. Please provide to this agency, within twenty (20) calendar days of receipt of this notice or before your next submittal to this agency, a complete mailing list of all current record owners of fee title to the site. You may use the enclosed list of landowners form (sample letter 2) to comply with this requirement. If the list of current record owners of fee title to the site changes, you must notify the local agency of the change within twenty (20) calendar days from when you are notified of the change.

If you are the sole landowner, please indicate that on the landowner list form. The following notice requirements do not apply to responsible parties who are the sole landowner for the site.

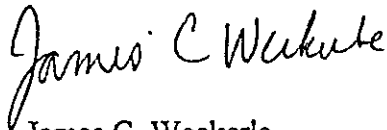
In accordance with Section 25297.15 (a) of Ch. 6.7 of the Health & Safety Code, you must certify to the local agency that all current record owners of fee title to the site have been informed of the proposed action before the local agency may do any of the following:

- 1) consider a cleanup proposal (corrective action plan) ;
- 2) consider a site closure proposal;
- 3) make a determination that no further action is required; and/or,
- 4) issue a closure letter.

You may use the enclosed notice of proposed action form (sample letter 3) to comply with this requirement. Before approving a cleanup proposal or site closure proposal, determining that no further action is required, or issuing a closure letter, the local agency will take all reasonable steps necessary to accommodate responsible landowner participation in the cleanup and site closure process and will consider all input and recommendations from any responsible landowner.

If you have any questions, please contact the undersigned at (626) 744-4115.

Sincerely,



James C. Weckerle
Hazardous Materials Specialist

Attachments

SAMPLE LETTER : LIST OF LANDOWNERS FORM
[To be retyped on your Company Letterhead]

Date

James Weckerle
Pasadena Fire Department
199 S Los Robles Avenue, Suite 550
Pasadena, CA 91101-2458

Subject: Certified List of Record Fee Title Owners for
Site Name and Address, Pasadena, California

If you are the sole site landowner, complete item 1. Fill out item 2 if there are multiple site landowners.

- ☐ 1. In accordance with section 25297.15(a) of Chapter 6.7 of the Health & Safety Code, I, name of primary responsible party, certify that I am the sole landowner for the above site.
- ☐ 2. In accordance with section 25297.15(a) of Chapter 6.7 of the Health & Safety Code, I, name of primary responsible party, certify that the following is a complete list of current record fee title owners and their mailing addresses for the above site:

Name

Mailing Address

Date of Initial Notice

Sincerely,

Signature of primary responsible party [YOUR SIGNATURE]

Name of primary responsible party [YOUR NAME]

SAMPLE LETTER : NOTICE OF PROPOSED ACTION SUBMITTED TO LOCAL AGENCY
[To be retyped on your Company Letterhead. It is recommended that you send all required notices by certified mail.]

March 9, 1999

James Weckerle
Pasadena Fire Department
199 S Los Robles Avenue, Suite 550
Pasadena, CA 91101-2458

Subject: Notice of Proposed Action Submitted to Local Agency for
Name and Address of Subject Site

In accordance with section 25297,15(a) of Chapter 6.7 of the Health & Safety Code, I, name of primary responsible party, certify that I have notified all responsible landowners of the enclosed proposed action and that I have allowed the other landowners at least twenty (20) days to provide comment.

Check space for applicable proposed action(s):

- ☐ cleanup proposal (corrective action plan);
- ☐ site closure proposal; and/or,
- ☐ local agency intention to issue a closure letter or make a determination that no further action is required

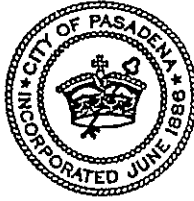
Sincerely,

Signature of primary- responsible party

Name of primary- responsible party

cc: Names and addresses of all record fee title owners:
Name Mailing Address

Date of Notice



FIRE DEPARTMENT

December 28, 1999

John Vail
Delta Environmental Consultants, Inc
27141 Aliso Creek Rd, Suite 270
Aliso Viejo, CA 92656

Subject: Intent to Make a Determination That No Further Action Is Required or Issue a Closure Letter for ARCO Facility 510, 125 E California Bl., in Pasadena, California

Dear :

This letter is to inform you that the Pasadena Fire Department intends to make a determination that no further action is required at the above site or to issue a closure letter. Please notify this agency of any input and recommendations you may have on these proposed actions within twenty (20) days.

In accordance with section 25297.15 of Ch. 6.7 of the Health & Safety Code, you must provide certification to the local agency that all of the current record fee title owners have been informed of the proposed action. Please provide this certification to the Pasadena Fire Department within twenty (20) days.

If you have any questions about these proposed actions, please contact the undersigned at (626) 744-4115.

Sincerely,

James C. Weckerle
Hazardous Materials Specialist

SAMPLE LETTER : NOTICE OF PROPOSED ACTION SUBMITTED TO LOCAL AGENCY
[To be retyped on your Company Letterhead. This letter may be used to notify all landowners. It is recommended that you send all required notices by certified mail.]

March 9, 1999

James Weckerle
Pasadena Fire Department
199 S Los Robles Avenue, Suite 550
Pasadena, CA 91101-2458

Subject: Notice of Proposed Action Submitted to Local Agency for
Name and Address of Subject Site

In accordance with section 25297,15(a) of Chapter 6.7 of the Health & Safety Code, I, name of primary responsible party, certify that I have notified all responsible landowners of the enclosed proposed action and that I have allowed the other landowners at least twenty (20) days to provide comment.

Check space for applicable proposed action(s):

- ☐ cleanup proposal (corrective action plan);
- ☐ site closure proposal; and/or,
- ☐ local agency intention to issue a closure letter or make a determination that no further action is required

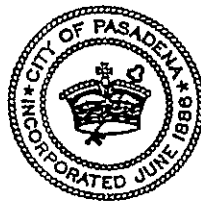
Sincerely,

Signature of primary- responsible party

Name of primary- responsible party

cc: Names and addresses of all record fee title owners:
Name Mailing Address

Date of
Notice



AUG 21 2000

FIRE DEPARTMENT

May 24, 2000

ARCO Products Co.
EH&S- William Zapka
PO Box 6038
Artesia, CA 90702-6038

Subject: Underground Storage Tank Closure Activities at ARCO Facility #510,
125 E California Bl., in Pasadena, California [PFD ID 000042]

Dear Mr. Zapka:

This letter confirms the completion of a site investigation and remedial action for the underground storage tank(s) formerly located at the above described location. Thank you for your cooperation throughout this investigation. Your willingness and promptness in responding to our inquiries concerning the former tank(s) are greatly appreciated.

Based upon information in the above referenced file and with the provision that the information provided to this agency was accurate and representative of site conditions, no further action to the underground tank release is required.

This notice is issued pursuant to a regulation contained in Section 2721(e) of Title 23 of the California Code of Regulations.

Please contact our office if you have any questions regarding this manner.

Sincerely,

James C. Weckerle
Hazardous Materials Specialist

(The text of the above letter is specified in state law and cannot be modified.)

Additional clarifying documents attached: [YES]



SECOR
INTERNATIONAL
INCORPORATED

www.secor.com

290 Conejo Ridge Ave., Suite 200
Thousand Oaks, CA 91361
805-230-1266 TEL
805-230-1277 FAX

ATLANTIC RICHFIELD COMPANY QUARTERLY REPORT
Quarter 4, 2004 (January 15, 2004)

Former Station No.: 0510 Address: 125 East California Boulevard, Pasadena, California
Atlantic Richfield Company Environmental Engineer/Phone No.: Mr. Ray Vose/818-957-1755
Consulting Co./Contact Person/Phone No.: SECOR/Mr. Gareth Roberts/ (805) 230-1266 Ext 240
SECOR Project No.: 37BP.U0510.05
Primary Agency/Regulatory ID No.: LARWQCB / Ms. Chandra Cansler /File No. 911050025
Other Agencies to Receive Copies: None

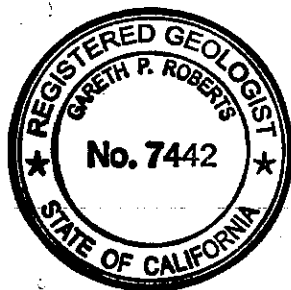
WORK PERFORMED THIS QUARTER [Fourth - 2004]:

1. Completed quarterly groundwater sampling and prepared Quarterly Status Report.
2. Received Case Closure from the LARWQCB in their letter dated December 3, 2004.

WORK PROPOSED FOR NEXT QUARTER [First - 2005]:

1. Abandon groundwater monitoring wells MW-1, MW-2, and MW-3 and submit Well Abandonment Report.

Current Phase of Project:	Monitoring	(Assmnt, Remed. etc)
Frequency of Sampling:	Quarterly	(Quarterly, etc.)
Frequency of Monitoring:	Quarterly	(Monthly, etc.)
Liquid Phase Hydrocarbon Present On-Site	No	(Yes/No)
Cumulative LPH Recovered to Date:	None	(gallons)
LPH Recovered This Quarter:	None	(gallons)
Bulk Soil Removed to Date:	761	(cubic yards)
Bulk Soil Removed This Quarter:	None	(cubic yards)
Water Wells or Surface Waters (4000-ft radius)	4057H-3,000' S	
Radius & Their Respective Directions:	N/A	(Distance and Direction)
Current Remediation Techniques:	None	(SVES, LPH Removal, etc.)
Permits for Discharge:	N/A	(NPDES, POTW, etc.)
Approximate Depth to Groundwater:	Range: 146.59 to 147.28	(Measured Feet)
Groundwater Gradient:	Southeast	(Direction)
	0.004 feet/foot	(Magnitude)

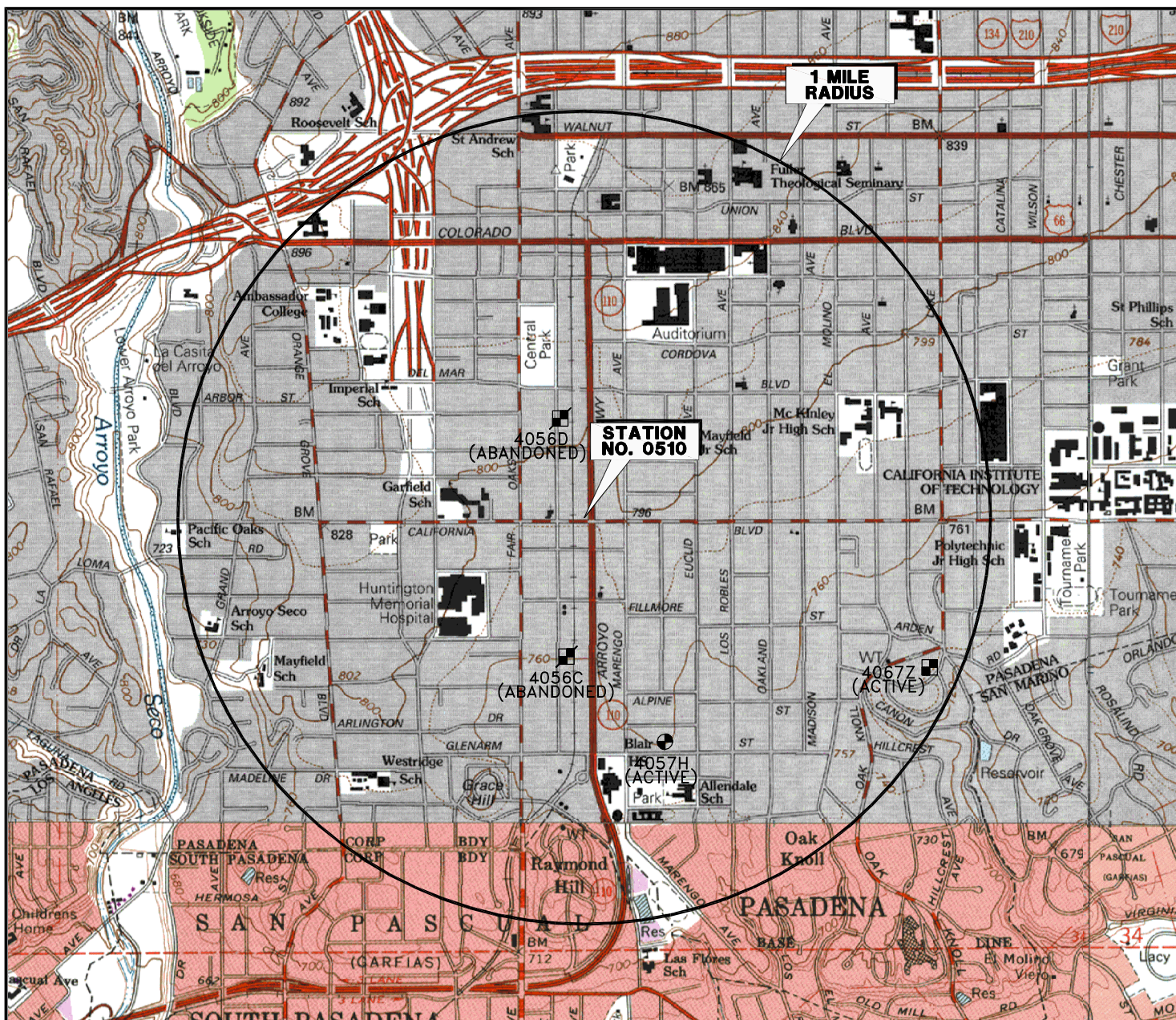


Agency Directive Requirement: LARWQCB letter dated December 3, 2004, issuing Case Closure.

ATTACHED:

- Figure 1 - Site Location Map Showing Wells Located Within A One-Mile Radius
- Figure 2 - Site Map
- Figure 3 - Groundwater Contour and Hydrocarbon Concentration Map
- Figure 4 - GRO Isoconcentration Map
- Figure 5 - Benzene Isoconcentration Map
- Figure 6 - MTBE Isoconcentration Map
- Figure 7 - TBA Isoconcentration Map
- Table 1 - Summary of Groundwater Analytical and Elevation Results
- Appendix A - Laboratory Report and Chain-of-Custody
- Appendix B - Groundwater Sampling Data Sheets

FIGURES

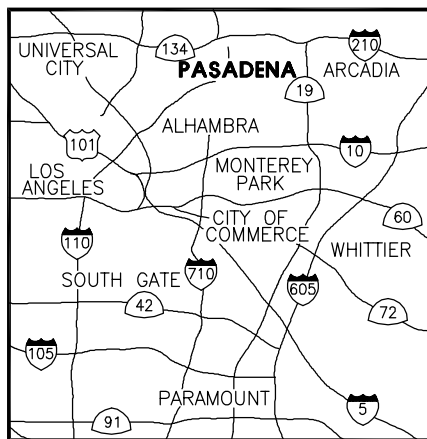


SOURCE: USGS 7.5 MINUTE TOPOGRAPHIC MAP, PASADENA QUADRANGLE, 1966
 PHOTOREVISED 1988
 LOS ANGELES QUADRANGLE, 1966
 PHOTOREVISED 1981
 MINOR REV. 1994
 MT. WILSON QUADRANGLE, 1995
 EL MONTE QUADRANGLE, 1966
 PHOTOREVISED 1994

LEGEND

- ACTIVE MUNICIPAL WELL
- ABANDONED WELL
- ACTIVE WELL (NO USE INDICATED)

0 2000 4000
 APPROXIMATE SCALE IN FEET



SECOR

290 Conejo Ridge Avenue, Suite 200
 Thousand Oaks, CA 91361
 (805) 230-1266/(230-1277) (Fax)

PREPARED FOR:

ATLANTIC RICHFIELD COMPANY
 FORMER STATION NO. 0510
 125 East California Boulevard
 Pasadena, California

JOB NUMBER:

37BP.U0510.05.4L58

DRAWN BY:

RLE

CHECKED BY:

L. Moreno

APPROVED BY:

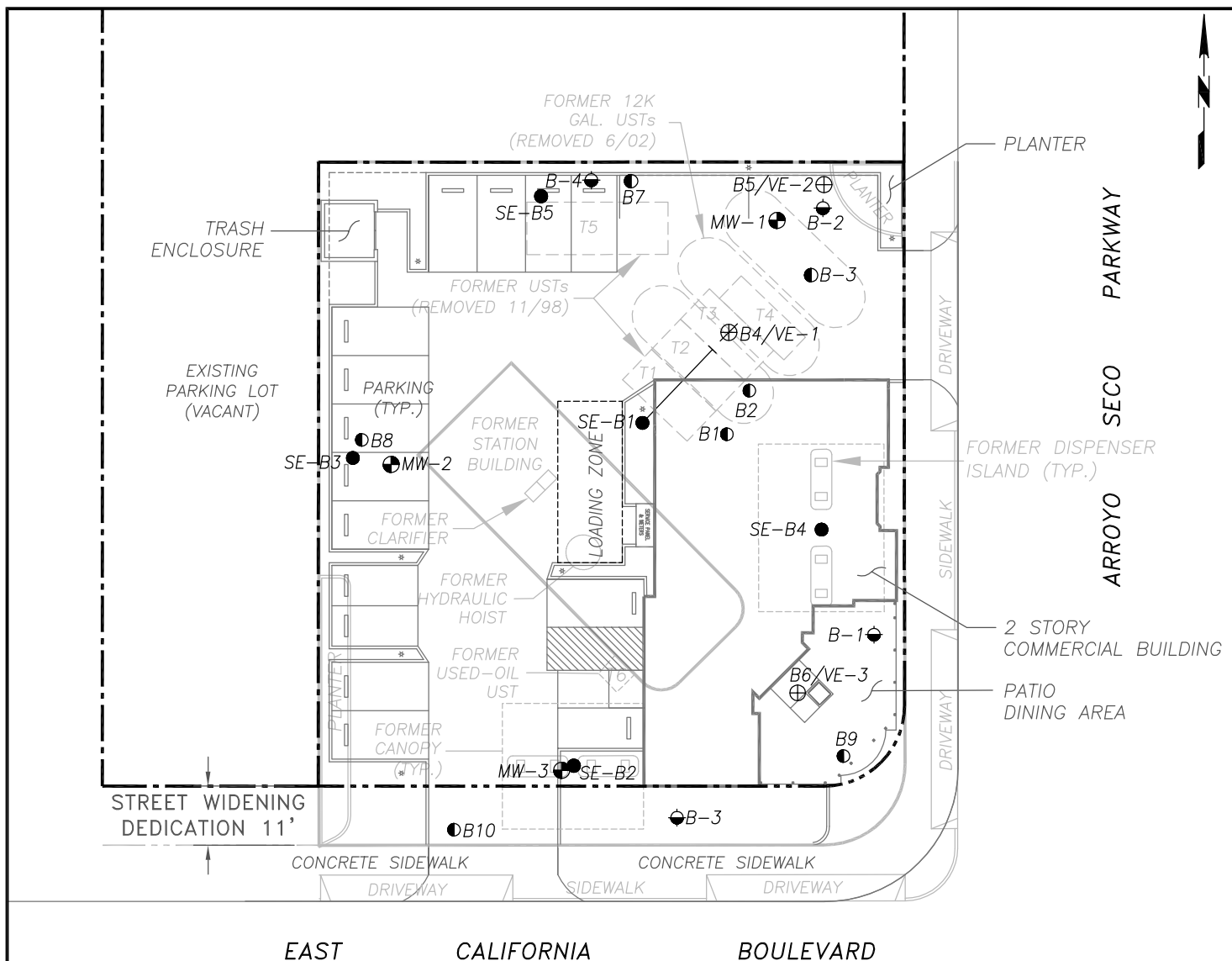
G. Roberts

FIGURE:

1

DATE:

01/03/05




LEGEND

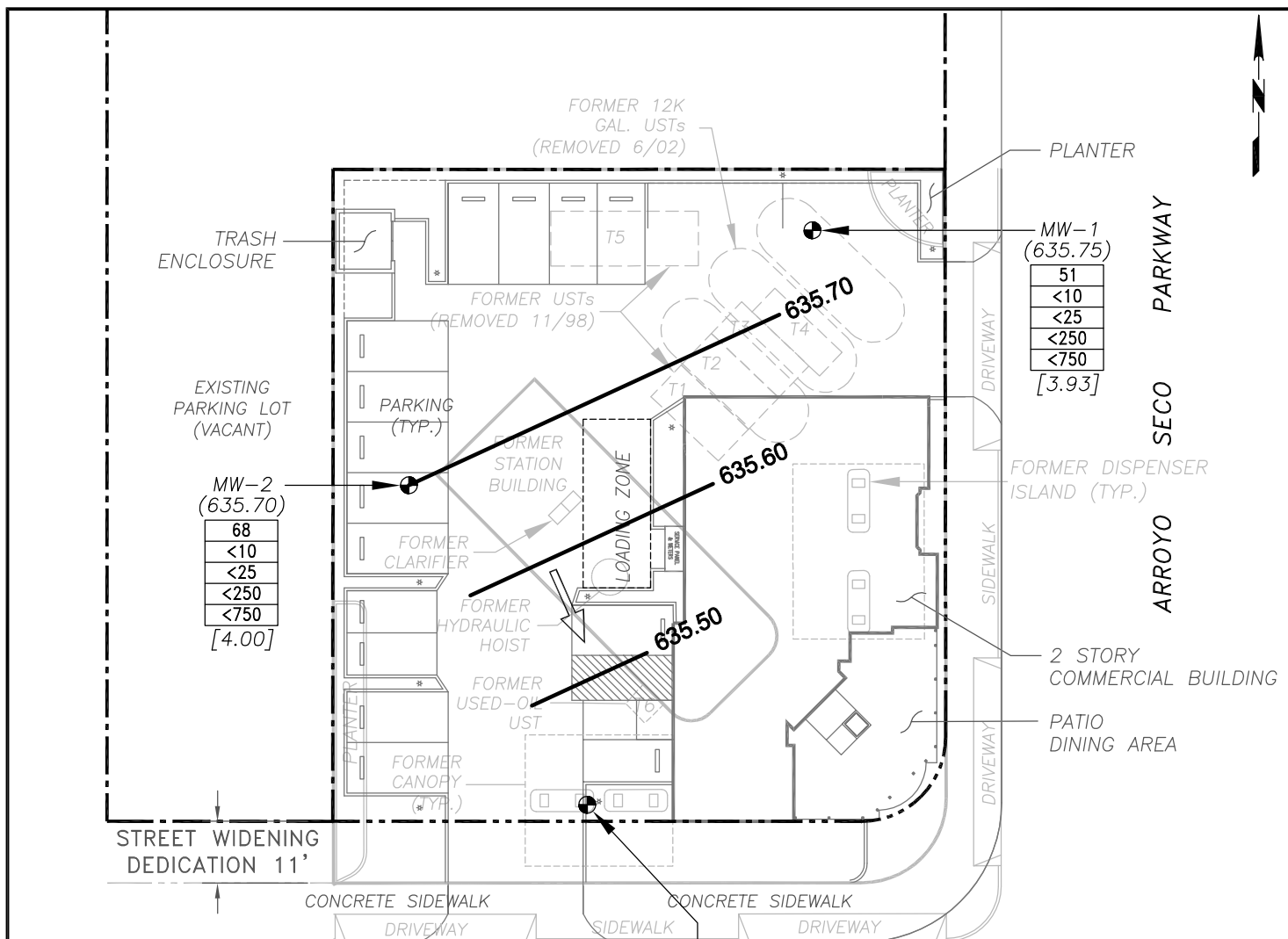
---	APPROXIMATE SITE PROPERTY LINE
MW-1	GROUNDWATER MONITORING WELL LOCATIONS (SECOR 2003)
SE-B1	ANGLED SOIL BORING LOCATION (SECOR 2002)
SE-B2	SOIL BORING LOCATIONS (SECOR 2002)
B-1	SOIL BORING (GOLDER ASSOCIATES)
B1	SOIL BORING (APPLIED GEOSYSTEMS, OCTOBER 1988 & MARCH, APRIL 1989)
B5/VE-2	VAPOR EXTRACTION WELL (APPLIED GEOSYSTEMS, MARCH & APRIL 1989)
B4/VE-1	ABANDONED VAPOR EXTRACTION WELL

NOTES:

- SOURCE OF MAP; MARSHA S. SCULLY & ASSOCIATES, INC., DATED JANUARY 15, 2003.
- MONITORING WELLS SURVEYED BY WM HOLDINGS INC., DATED NOVEMBER 7, 2003. SITE FEATURES AND LOCATIONS ARE APPROXIMATE.



<div> SECOR 290 Conejo Ridge Avenue, Suite 200 Thousand Oaks, CA 91361 (805) 230-1266/230-1277 (Fax)</div>	PREPARED FOR: ATLANTIC RICHFIELD COMPANY FORMER STATION NO. 0510 125 East California Boulevard Pasadena, California		SITE MAP		FIGURE: 2
	JOB NUMBER: 37BP.U0510.05	DRAWN BY: RLE	CHECKED BY: L. Moreno	APPROVED BY: G. Roberts	DATE: 01/03/05



LEGEND


- APPROXIMATE SITE PROPERTY LINE
- MW-1 GROUNDWATER MONITORING WELL LOCATIONS
- GROUNDWATER ELEVATION CONTOUR LINE
- GROUNDWATER FLOW DIRECTION
- (635.75) GROUNDWATER ELEVATION (Feet above mean sea level)
- | |
|---------|
| GRO |
| BENZ |
| MTBE |
| TBA |
| ETHANOL |

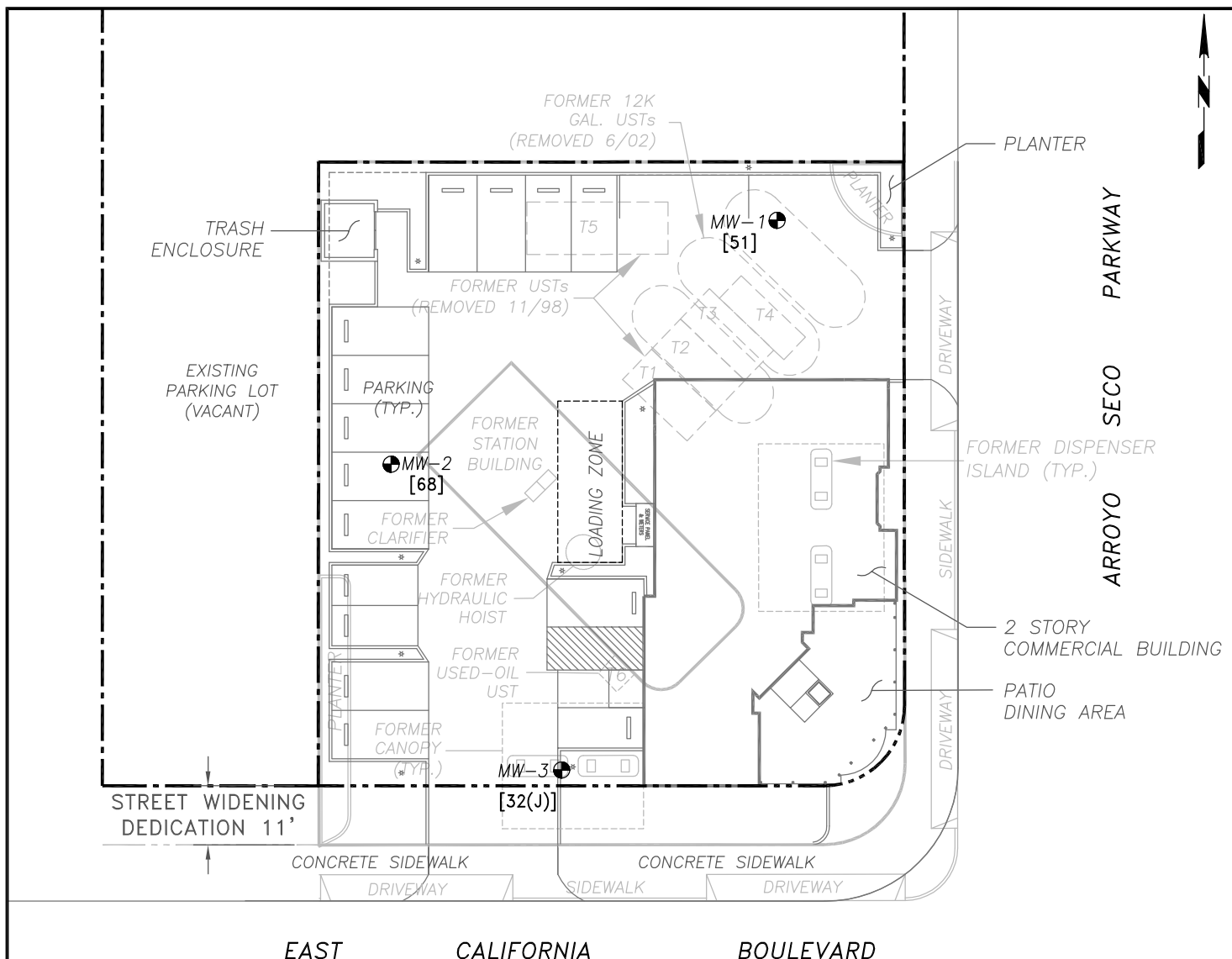
GASOLINE RANGE ORGANICS (C4-C12), BENZENE, MTBE, TERTIARY BUTANOL, AND ETHANOL CONCENTRATIONS IN MICROGRAMS PER LITER (µg/L)
- [3.93] DISSOLVED-OXYGEN CONCENTRATIONS IN GROUNDWATER

NOTES:

- SOURCE OF MAP; MARSHA S. SCULLY & ASSOCIATES, INC., DATED JANUARY 15, 2003.
- MONITORING WELLS SURVEYED BY WM HOLDINGS INC., DATED NOVEMBER 7, 2003. SITE FEATURES AND LOCATIONS ARE APPROXIMATE.
- GROUNDWATER MONITORING WELLS GAUGED AND SAMPLED ON DECEMBER 10, 2004.



<div> SECOR 290 Conejo Ridge Avenue, Suite 200 Thousand Oaks, CA 91361 (805) 230-1266/230-1277 (Fax)</div>	PREPARED FOR: ATLANTIC RICHFIELD COMPANY FORMER STATION NO. 0510 125 East California Boulevard Pasadena, California		GROUNDWATER CONTOUR AND HYDROCARBON CONCENTRATION MAP		FIGURE: 3
	JOB NUMBER: 37BP.U0510.05	DRAWN BY: RLE	CHECKED BY: L. Moreno	APPROVED BY: G. Roberts	DATE: 01/03/05



EAST CALIFORNIA BOULEVARD


LEGEND

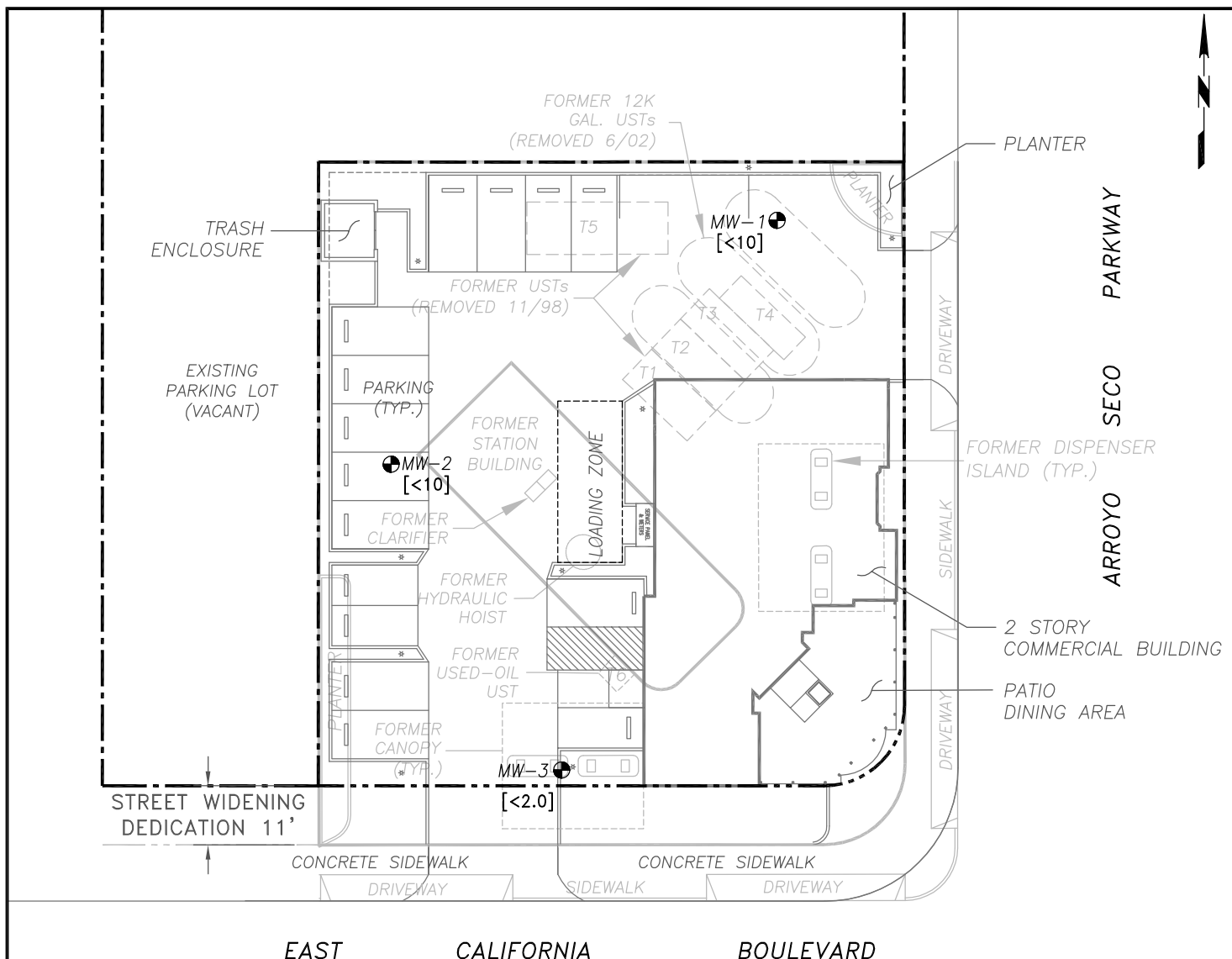
- APPROXIMATE SITE PROPERTY LINE
- MW-1
⊕ GROUNDWATER MONITORING WELL LOCATIONS
- [GRO] GASOLINE RANGE ORGANICS (C4-C12), CONCENTRATIONS IN MICROGRAMS PER LITER ($\mu\text{g/L}$)
- GRO ISOCONCENTRATION CONTOUR LINE (DASHED WHERE INFERRED)

NOTES:

1. SOURCE OF MAP; MARSHA S. SCULLY & ASSOCIATES, INC., DATED JANUARY 15, 2003.
2. MONITORING WELLS SURVEYED BY WM HOLDINGS INC., DATED NOVEMBER 7, 2003. SITE FEATURES AND LOCATIONS ARE APPROXIMATE.
3. GROUNDWATER MONITORING WELLS GAUGED AND SAMPLED ON DECEMBER 10, 2004.



<div> SECOR 290 Conejo Ridge Avenue, Suite 200 Thousand Oaks, CA 91361 (805) 230-1266/230-1277 (Fax)</div>	PREPARED FOR: ATLANTIC RICHFIELD COMPANY FORMER STATION NO. 0510 125 East California Boulevard Pasadena, California		GRO ISOCONCENTRATION MAP		FIGURE: 4
	JOB NUMBER: 37BP.U0510.05	DRAWN BY: RLE	CHECKED BY: L. Moreno	APPROVED BY: G. Roberts	DATE: 01/03/05




NOTES:

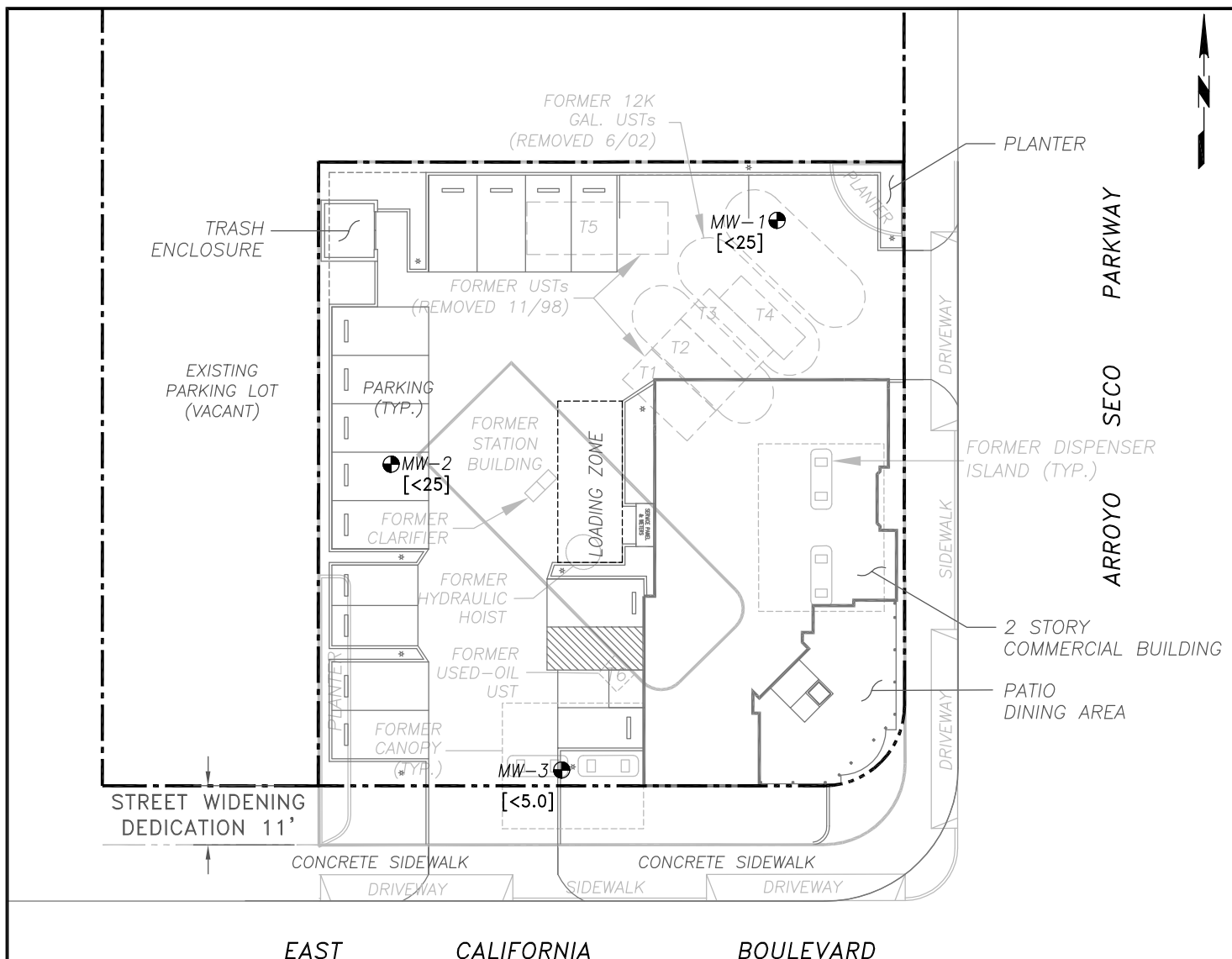
1. SOURCE OF MAP; MARSHA S. SCULLY & ASSOCIATES, INC., DATED JANUARY 15, 2003.
2. MONITORING WELLS SURVEYED BY WM HOLDINGS INC., DATED NOVEMBER 7, 2003. SITE FEATURES AND LOCATIONS ARE APPROXIMATE.
3. GROUNDWATER MONITORING WELLS GAUGED AND SAMPLED ON DECEMBER 10, 2004.

LEGEND

- APPROXIMATE SITE PROPERTY LINE
- MW-1
● GROUNDWATER MONITORING WELL LOCATIONS
- [BENZ] BENZENE CONCENTRATIONS IN MICROGRAMS PER LITER ($\mu\text{g/L}$)
- BENZENE ISOCONCENTRATION CONTOUR LINE (DASHED WHERE INFERRED)



 <p>SECOR</p> <p>290 Conejo Ridge Avenue, Suite 200 Thousand Oaks, CA 91361 (805) 230-1266/230-1277 (Fax)</p>	<p>PREPARED FOR:</p> <p>ATLANTIC RICHFIELD COMPANY FORMER STATION NO. 0510 125 East California Boulevard Pasadena, California</p> <p>JOB NUMBER: 37BP.U0510.05</p> <p>DRAWN BY: RLE</p>	<p>BENZENE ISOCONCENTRATION MAP</p> <p>CHECKED BY: L. Moreno</p> <p>APPROVED BY: G. Roberts</p>	<p>FIGURE:</p> <p>5</p> <p>DATE: 01/03/05</p>
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NOTES:

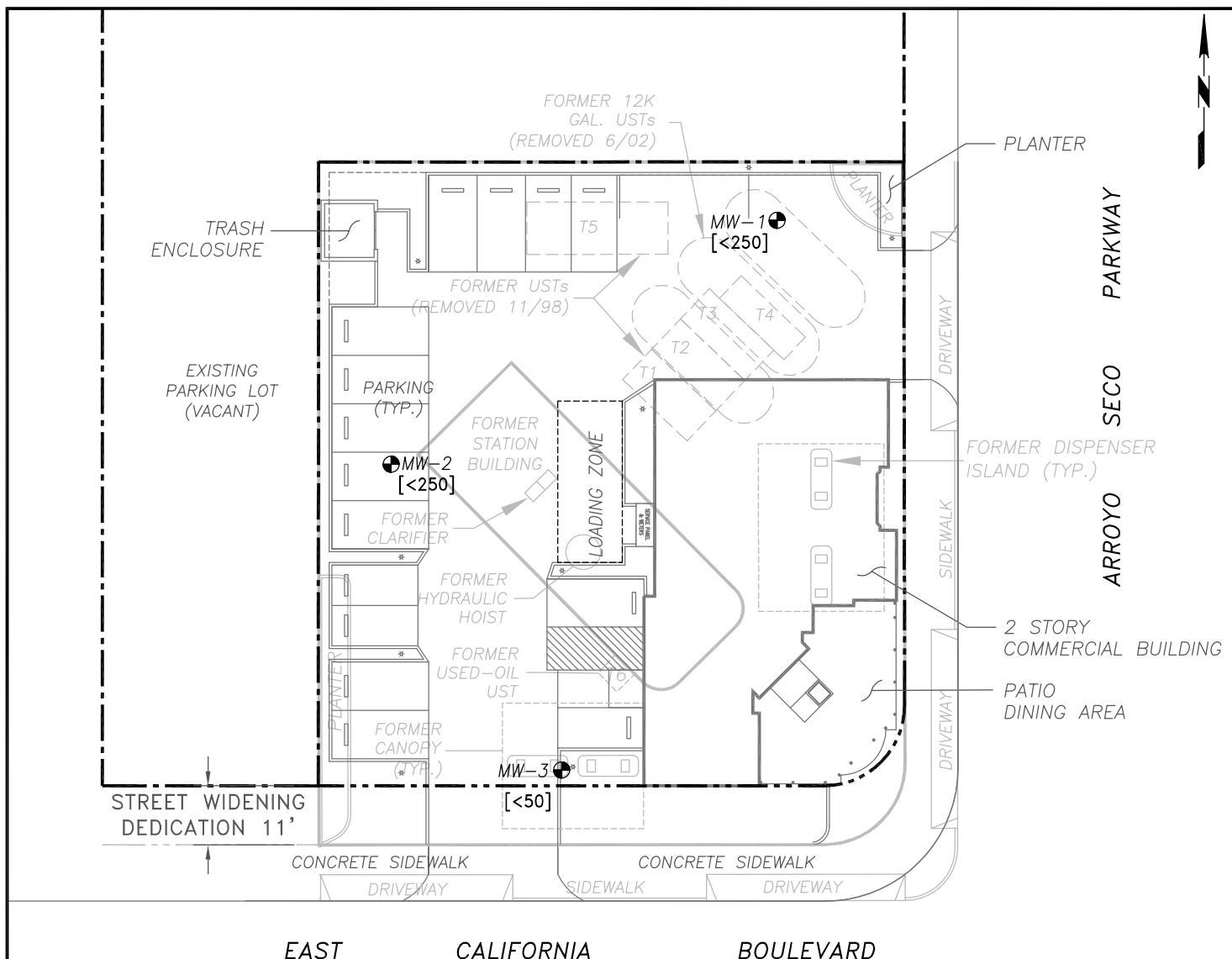
1. SOURCE OF MAP; MARSHA S. SCULLY & ASSOCIATES, INC., DATED JANUARY 15, 2003.
2. MONITORING WELLS SURVEYED BY WM HOLDINGS INC., DATED NOVEMBER 7, 2003. SITE FEATURES AND LOCATIONS ARE APPROXIMATE.
3. GROUNDWATER MONITORING WELLS GAUGED AND SAMPLED ON DECEMBER 10, 2004.

LEGEND

- APPROXIMATE SITE PROPERTY LINE
- MW-1
● GROUNDWATER MONITORING WELL LOCATIONS
- [MTBE] METHYL TERTIARY BUTYL ETHER CONCENTRATIONS IN MICROGRAMS PER LITER ($\mu\text{g/L}$)
- MTBE ISOCONCENTRATION CONTOUR LINE (DASHED WHERE INFERRED)



<div> SECOR 290 Conejo Ridge Avenue, Suite 200 Thousand Oaks, CA 91361 (805) 230-1266/230-1277 (Fax)</div>	PREPARED FOR: ATLANTIC RICHFIELD COMPANY FORMER STATION NO. 0510 125 East California Boulevard Pasadena, California		MTBE ISOCONCENTRATION MAP		FIGURE: 6
	JOB NUMBER: 37BP.U0510.05	DRAWN BY: RLE	CHECKED BY: L. Moreno	APPROVED BY: G. Roberts	DATE: 01/03/05




NOTES:

1. SOURCE OF MAP; MARSHA S. SCULLY & ASSOCIATES, INC., DATED JANUARY 15, 2003.
2. MONITORING WELLS SURVEYED BY WM HOLDINGS INC., DATED NOVEMBER 7, 2003. SITE FEATURES AND LOCATIONS ARE APPROXIMATE.
3. GROUNDWATER MONITORING WELLS GAUGED AND SAMPLED ON DECEMBER 10, 2004.

LEGEND

- APPROXIMATE SITE PROPERTY LINE
- MW-1
● GROUNDWATER MONITORING WELL LOCATIONS
- [TBA] TERTIARY BUTANOL CONCENTRATIONS IN MICROGRAMS PER LITER ($\mu\text{g/L}$)
- TBA ISOCONCENTRATION CONTOUR LINE (DASHED WHERE INFERRED)



 <p>SECOR</p> <p>290 Conejo Ridge Avenue, Suite 200 Thousand Oaks, CA 91361 (805) 230-1266/230-1277 (Fax)</p>	<p>PREPARED FOR:</p> <p>ATLANTIC RICHFIELD COMPANY FORMER STATION NO. 0510 125 East California Boulevard Pasadena, California</p> <p>JOB NUMBER: 37BP.U0510.05</p> <p>DRAWN BY: RLE</p>	<p>TBA ISOCONCENTRATION MAP</p> <p>CHECKED BY: L. Moreno</p> <p>APPROVED BY: G. Roberts</p>	<p>FIGURE:</p> <p>7</p> <p>DATE: 01/03/05</p>
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TABLES

TABLE 1
Summary of Groundwater Analytical & Elevation Results
Former ARCO Station No. 0510
125 East California Boulevard / 577 South Arroyo Parkway, Pasadena, California

Well No.	Date	Notes	TOC Elevation (ft-MSL)	Depth to Water (feet)	Measured SPH Thickness (feet)	Calc. GW Elev. (ft-MSL)	GRO (g/L)	B (g/L)	T (g/L)	E (g/L)	X (g/L)	MTBE (g/L)	TBA (g/L)	DIPE (g/L)	ETBE (g/L)	TAME (g/L)	Ethanol (g/L)	Sample ID	Comments
MW-1	10/01/03		-	154.84	0.00	-	46 J	2.0	2.0	2.0	4.0	5.0	50	0.84 J	5.0	5.0	150	MW-1	Not Surveyed
	11/07/03	NS	783.03	151.33	0.00	631.70	-	-	-	-	-	-	-	-	-	-	-	-	
	11/28/03	NS		151.33	0.00	631.70	-	-	-	-	-	-	-	-	-	-	-	-	
	12/30/03			150.82	0.00	632.21	53	2.0	2.0	2.0	4.0	5.0	50	1.6 J	5.0	5.0	150	MW-1	
	03/23/04			149.59	0.00	633.44	24 J	2.0	2.0	2.0	4.0	5.0	50	1.7 J	5.0	5.0	150	MW-1	
	06/07/04			148.58	0.00	634.45	47 J	2.0	2.0	2.0	4.0	5.0	50	1.2 J	5.0	5.0	150	MW-1	
	09/14/04			147.77	0.00	635.26	50	2.0	2.0	2.0	4.0	5.0	50	1.4 J	5.0	5.0	150	MW-1	
	12/10/04			147.28	0.00	635.75	51	10	10	1.1 J	2.4 J	25	250	1.2 J	25	0.70 J	750	MW-1	
MW-2	10/01/03		-	154.30	0.00	-	42 J	2.0	2.0	2.0	4.0	5.0	50	0.98 J	5.0	5.0	150	MW-2	Not Surveyed
	11/07/03	NS	782.65	151.00	0.00	631.65	-	-	-	-	-	-	-	-	-	-	-	-	
	11/28/03	NS		151.00	0.00	631.65	-	-	-	-	-	-	-	-	-	-	-	-	
	12/30/03			150.48	0.00	632.17	44 J	2.0	2.0	2.0	4.0	5.0	50	1.3 J	5.0	5.0	150	MW-2	
	03/23/04			149.20	0.00	633.45	22 J	2.0	2.0	2.0	4.0	5.0	50	1.4 J	5.0	5.0	150	MW-2	
	06/07/04			148.13	0.00	634.52	50 J	2.0	2.0	2.0	4.0	5.0	50	1.3 J	5.0	5.0	150	MW-2	
	09/14/04			147.46	0.00	635.19	50	2.0	2.0	2.0	4.0	5.0	50	1.4 J	5.0	5.0	150	MW-2	
	12/10/04			146.95	0.00	635.70	68	10	10	10	20	25	250	1.7 J	25	0.60 J	750	MW-2	
MW-3	10/01/03		-	155.80	0.00	-	24 J	2.0	2.0	2.0	4.0	0.44 J	50	5.0	5.0	5.0	150	MW-3	Not Surveyed
	10/01/03	DUP	782.00	-	-	-	36 J	2.0	2.0	2.0	4.0	5.0	50	0.95 J	5.0	5.0	150	MW-99	
	10/07/03	NS		150.78	0.00	631.22	-	-	-	-	-	-	-	-	-	-	-	-	
	11/28/03	NS		150.78	0.00	631.22	-	-	-	-	-	-	-	-	-	-	-	-	
	12/30/03			150.18	0.00	631.82	25 J	2.0	2.0	2.0	4.0	5.0	50	5.0	5.0	5.0	150	MW-3	
	12/30/03	DUP		-	-	-	52	2.0	2.0	2.0	4.0	5.0	50	1.5 J	5.0	5.0	150	DUP-0510-20031230	
	03/23/04			148.79	0.00	633.21	23 J	2.0	2.0	2.0	4.0	5.0	50	5.0	5.0	5.0	150	MW-3	
	03/23/04	DUP		-	-	-	26 J	2.0	2.0	2.0	4.0	5.0	50	5.0	5.0	5.0	150	DUP-0510-20040323	
	06/07/04			147.74	0.00	634.26	30 J	2.0	2.0	2.0	4.0	5.0	50	5.0	5.0	5.0	150	MW-3	
	06/07/04	DUP		-	-	-	25 J	2.0	2.0	2.0	4.0	5.0	50	5.0	5.0	5.0	150	DUP-0510-20040607	
	09/14/04			147.10	0.00	634.90	50	2.0	2.0	2.0	4.0	5.0	50	0.26 J	5.0	5.0	150	MW-3	
	09/14/04	DUP		-	-	-	50	2.0	2.0	2.0	4.0	5.0	50	5.0	5.0	5.0	150	DUP-0510-20040914	
	12/10/04			146.59	0.00	635.41	27 J	2.0	2.0	2.0	4.0	5.0	50	0.38 J	5.0	0.15 J	150	MW-3	
	12/10/04	DUP		-	-	-	32 J	2.0	2.0	2.0	4.0	5.0	50	0.37 J	5.0	0.12 J	150	DUP-0510-20041210	

TABLE 1
Summary of Groundwater Analytical & Elevation Results
Former ARCO Station No. 0510
125 East California Boulevard / 577 South Arroyo Parkway, Pasadena, California

Well No.	Date	Notes	TOC Elevation (ft-MSL)	Depth to Water (feet)	Measured SPH Thickness (feet)	Calc. GW Elev. (ft-MSL)	GRO (μ g/L)	B (μ g/L)	T (μ g/L)	E (μ g/L)	X (μ g/L)	MTBE (μ g/L)	TBA (μ g/L)	DIPE (μ g/L)	ETBE (μ g/L)	TAME (μ g/L)	Ethanol (μ g/L)	Sample ID	Comments
SE-B4-161	09/23/02		-	-	-	-	360	3.6	45	18	100	\leq 5.0	42 J	\leq 5.0	\leq 5.0	\leq 5.0	-	SE-B4-161	
SE-B4-169	09/23/02		-	-	-	-	210	2.1	19	7.1	47	\leq 5.0	\leq 50	\leq 5.0	\leq 5.0	\leq 5.0	-	SE-B4-169	
Equip Blank	03/23/04		-	-	-	-	\leq 50	\leq 2.0	\leq 2.0	\leq 2.0	\leq 4.0	\leq 5.0	\leq 50	\leq 5.0	\leq 5.0	\leq 5.0	\leq 150	EB-0510-20040323	
	06/07/04		-	-	-	-	\leq 50	\leq 2.0	\leq 2.0	\leq 2.0	\leq 4.0	\leq 5.0	\leq 50	\leq 5.0	\leq 5.0	\leq 5.0	\leq 150	EB-0510-20040607	
	09/14/04		-	-	-	-	38 J	\leq 2.0	\leq 2.0	\leq 2.0	\leq 4.0	\leq 5.0	\leq 50	\leq 5.0	\leq 5.0	\leq 5.0	\leq 150	EB-0510-20040914	
	12/10/04		-	-	-	-	\leq 50	\leq 2.0	\leq 2.0	\leq 2.0	\leq 4.0	\leq 5.0	\leq 50	\leq 5.0	\leq 5.0	\leq 5.0	\leq 150	EB-0510-20041210	
Trip Blank	10/01/03		-	-	-	-	\leq 50	\leq 2.0	\leq 2.0	\leq 2.0	\leq 4.0	\leq 5.0	\leq 50	\leq 5.0	\leq 5.0	\leq 5.0	\leq 150	MW-100	
	12/30/03		-	-	-	-	\leq 50	\leq 2.0	\leq 2.0	\leq 2.0	\leq 4.0	\leq 5.0	\leq 50	\leq 5.0	\leq 5.0	\leq 5.0	\leq 150	TB-0510-20031230	
	03/23/04		-	-	-	-	38 J	\leq 2.0	\leq 2.0	\leq 2.0	\leq 4.0	\leq 5.0	\leq 50	\leq 5.0	\leq 5.0	\leq 5.0	\leq 150	TB-0510-20040323	
	06/07/04		-	-	-	-	\leq 50	\leq 2.0	\leq 2.0	\leq 2.0	\leq 4.0	\leq 5.0	\leq 50	\leq 5.0	\leq 5.0	\leq 5.0	\leq 150	TB-0510-20040607	
	09/14/04		-	-	-	-	\leq 50	\leq 2.0	\leq 2.0	\leq 2.0	\leq 4.0	\leq 5.0	\leq 50	\leq 5.0	\leq 5.0	\leq 5.0	\leq 150	TB-0510-20040914	
	12/10/04		-	-	-	-	\leq 50	\leq 2.0	\leq 2.0	\leq 2.0	\leq 4.0	\leq 5.0	\leq 50	\leq 5.0	\leq 5.0	0.13 J	\leq 150	TB-0510-20041210	

Notes:

GRO \square Gasoline range organics

B \square Benzene

T \square Toluene

E \square Ethylbenzene

X \square Total xylenes

MTBE \square Methyl tert-butyl ether

TBA \square Tert-butyl alcohol

DIPE \square Di-isopropyl ether

ETBE \square Ethyl tert-butyl ether

TAME \square Tert-amyl methyl ether

SPH \square Separate phase hydrocarbons

TOC \square Top of casing (surveyed)

Calc. GW Elev. \square Calculated groundwater elevation \square TOC - Depth to Water \square 0.75 \square (Measured SPH Thickness); assuming a specific gravity of 0.75 for SPH

ft-MSL \square feet above mean sea level

μ g/L \square Micrograms per liter

\square \square Analyte was not detected above the specified method reporting limit

- \square Not measured or analyzed

J \square Estimated value (less than the method reporting limit and greater than or equal to the method detection limit)

Refer to the reports in which data was first presented for more information on historical data.

GRO analyzed by EPA Method 8015 Modified. The carbon chain range used for analysis is C4-C12.

BTEX and oxygenates analyzed by EPA Method 8260B.

DUP \square Duplicate sample

NS \square Well not sampled

APPENDIX A

Laboratory Report and Chain-Of-Custody Document



LABORATORY REPORT

Prepared For: SECOR International, Inc.-Thousand Oaks
290 Conejo Ridge Avenue, Suite 200
Thousand Oaks, CA 91361
Attention: Gareth Roberts

Project: ARCO 0510, Pasadena

Sampled: 12/10/04
Received: 12/13/04
Issued: 12/29/04 12:02

NELAP #01108CA CA ELAP #1197 CSDLAC #10117

The results listed within this Laboratory Report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the applicable certifications as noted. All soil samples are reported on a wet weight basis unless otherwise noted in the report. This Laboratory Report is confidential and is intended for the sole use of Del Mar Analytical and its client. This report shall not be reproduced, except in full, without written permission from Del Mar Analytical. The Chain of Custody, 1 page, is included and is an integral part of this report.

This entire report was reviewed and approved for release.

CASE NARRATIVE

SAMPLE RECEIPT: Samples were received intact, at 6°C, on ice and with chain of custody documentation.

HOLDING TIMES: All samples were analyzed within prescribed holding times and/or in accordance with the Del Mar Analytical Sample Acceptance Policy unless otherwise noted in the report.

PRESERVATION: Samples requiring preservation were verified prior to sample analysis.

QA/QC CRITERIA: All analyses met method criteria, except as noted in the report with data qualifiers.

COMMENTS: Results that fall between the MDL and RL are 'J' flagged.

SUBCONTRACTED: Refer to the last page for specific subcontract laboratory information included in this report.

LABORATORY ID

CLIENT ID

MATRIX

INL0912-01	MW-1	Water
INL0912-02	MW-2	Water
INL0912-03	MW-3	Water
INL0912-04	TB-0510-20041210	Water
INL0912-05	DUP-0510-20041210	Water
INL0912-06	EB-0510-20041210	Water

Reviewed By:

Del Mar Analytical, Irvine
Wendy Kirkeeng
Project Manager



SECOR International, Inc.-Thousand Oaks
290 Conejo Ridge Avenue, Suite 200
Thousand Oaks, CA 91361
Attention: Gareth Roberts

Project ID: ARCO 0510, Pasadena
Report Number: INL0912

Sampled: 12/10/04
Received: 12/13/04

VOLATILE FUEL HYDROCARBONS (EPA 5030/8015M)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: INL0912-01 (MW-1 - Water)									
Reporting Units: ug/l									
GRO (C4 - C12)	EPA 8015B	4L22019	22	50	51	1	12/22/04	12/22/04	PV
Surrogate: 4-BFB (FID) (65-140%)					98 %				
Sample ID: INL0912-02 (MW-2 - Water)									
Reporting Units: ug/l									
GRO (C4 - C12)	EPA 8015B	4L22019	22	50	68	1	12/22/04	12/22/04	PV
Surrogate: 4-BFB (FID) (65-140%)					95 %				
Sample ID: INL0912-03 (MW-3 - Water)									
Reporting Units: ug/l									
GRO (C4 - C12)	EPA 8015B	4L22019	22	50	27	1	12/22/04	12/22/04	PV, J,DX
Surrogate: 4-BFB (FID) (65-140%)					98 %				
Sample ID: INL0912-04 (TB-0510-20041210 - Water)									
Reporting Units: ug/l									
GRO (C4 - C12)	EPA 8015B	4L22019	22	50	ND	1	12/22/04	12/22/04	
Surrogate: 4-BFB (FID) (65-140%)					102 %				
Sample ID: INL0912-05 (DUP-0510-20041210 - Water)									
Reporting Units: ug/l									
GRO (C4 - C12)	EPA 8015B	4L22019	22	50	32	1	12/22/04	12/22/04	PV, J,DX
Surrogate: 4-BFB (FID) (65-140%)					97 %				
Sample ID: INL0912-06 (EB-0510-20041210 - Water)									
Reporting Units: ug/l									
GRO (C4 - C12)	EPA 8015B	4L22019	22	50	ND	1	12/22/04	12/22/04	
Surrogate: 4-BFB (FID) (65-140%)					102 %				

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SECOR International, Inc.-Thousand Oaks
 290 Conejo Ridge Avenue, Suite 200
 Thousand Oaks, CA 91361
 Attention: Gareth Roberts

Project ID: ARCO 0510, Pasadena

Report Number: INL0912

Sampled: 12/10/04

Received: 12/13/04

Volatile Organic Compounds by EPA Method 8260B

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: INL0912-01 (MW-1 - Water)									BH
Reporting Units: ug/l									
Benzene	EPA 8260B	4L22013	0.42	10	ND	5	12/22/04	12/23/04	
Ethylbenzene	EPA 8260B	4L22013	0.49	10	1.1	5	12/22/04	12/23/04	J,DXa
Toluene	EPA 8260B	4L22013	0.82	10	ND	5	12/22/04	12/23/04	
o-Xylene	EPA 8260B	4L22013	1.2	10	ND	5	12/22/04	12/23/04	
m,p-Xylene	EPA 8260B	4L22013	1.2	10	1.8	5	12/22/04	12/23/04	MB, J,DX
Xylenes (total)	EPA 8260B	4L22013	1.2	20	2.4	5	12/22/04	12/23/04	MB, J,DX
Di-isopropyl ether	EPA 8260B	4L22013	0.32	25	1.2	5	12/22/04	12/23/04	J,DXa
Ethyl tert-butyl ether	EPA 8260B	4L22013	0.24	25	ND	5	12/22/04	12/23/04	
tert-Amyl methyl ether	EPA 8260B	4L22013	0.27	25	0.70	5	12/22/04	12/23/04	MB, J,DX
Methyl tert-butyl ether	EPA 8260B	4L22013	0.18	25	ND	5	12/22/04	12/23/04	
tert-Butyl alcohol	EPA 8260B	4L22013	5.3	250	ND	5	12/22/04	12/23/04	
Ethanol	EPA 8260B	4L22013	500	750	ND	5	12/22/04	12/23/04	
Surrogate: 1,2-Dichloroethane-d4 (78-129%)					95 %				
Surrogate: Dibromofluoromethane (80-120%)					96 %				
Surrogate: Toluene-d8 (80-120%)					100 %				
Surrogate: 4-Bromofluorobenzene (80-120%)					90 %				
Sample ID: INL0912-02 (MW-2 - Water)									BH
Reporting Units: ug/l									
Benzene	EPA 8260B	4L22013	0.42	10	ND	5	12/22/04	12/23/04	
Ethylbenzene	EPA 8260B	4L22013	0.49	10	ND	5	12/22/04	12/23/04	
Toluene	EPA 8260B	4L22013	0.82	10	ND	5	12/22/04	12/23/04	
o-Xylene	EPA 8260B	4L22013	1.2	10	ND	5	12/22/04	12/23/04	
m,p-Xylene	EPA 8260B	4L22013	1.2	10	ND	5	12/22/04	12/23/04	
Xylenes (total)	EPA 8260B	4L22013	1.2	20	ND	5	12/22/04	12/23/04	
Di-isopropyl ether	EPA 8260B	4L22013	0.32	25	1.7	5	12/22/04	12/23/04	J,DXa
Ethyl tert-butyl ether	EPA 8260B	4L22013	0.24	25	ND	5	12/22/04	12/23/04	
tert-Amyl methyl ether	EPA 8260B	4L22013	0.27	25	0.60	5	12/22/04	12/23/04	MB, J,DX
Methyl tert-butyl ether	EPA 8260B	4L22013	0.18	25	ND	5	12/22/04	12/23/04	
tert-Butyl alcohol	EPA 8260B	4L22013	5.3	250	ND	5	12/22/04	12/23/04	
Ethanol	EPA 8260B	4L22013	500	750	ND	5	12/22/04	12/23/04	
Surrogate: 1,2-Dichloroethane-d4 (78-129%)					99 %				
Surrogate: Dibromofluoromethane (80-120%)					96 %				
Surrogate: Toluene-d8 (80-120%)					99 %				
Surrogate: 4-Bromofluorobenzene (80-120%)					84 %				

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 Wendy Kirkeeng
 Project Manager

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INL0912 <Page 3 of 15>



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SECOR International, Inc.-Thousand Oaks
 290 Conejo Ridge Avenue, Suite 200
 Thousand Oaks, CA 91361
 Attention: Gareth Roberts

Project ID: ARCO 0510, Pasadena

Report Number: INL0912

Sampled: 12/10/04

Received: 12/13/04

Volatile Organic Compounds by EPA Method 8260B

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: INL0912-03 (MW-3 - Water)									
Reporting Units: ug/l									
Benzene	EPA 8260B	4L22013	0.085	2.0	ND	1	12/22/04	12/23/04	
Ethylbenzene	EPA 8260B	4L22013	0.098	2.0	ND	1	12/22/04	12/23/04	
Toluene	EPA 8260B	4L22013	0.16	2.0	ND	1	12/22/04	12/23/04	
o-Xylene	EPA 8260B	4L22013	0.24	2.0	ND	1	12/22/04	12/23/04	
m,p-Xylene	EPA 8260B	4L22013	0.24	2.0	ND	1	12/22/04	12/23/04	
Xylenes (total)	EPA 8260B	4L22013	0.24	4.0	ND	1	12/22/04	12/23/04	
Di-isopropyl ether	EPA 8260B	4L22013	0.063	5.0	0.38	1	12/22/04	12/23/04	J,DXa
Ethyl tert-butyl ether	EPA 8260B	4L22013	0.049	5.0	ND	1	12/22/04	12/23/04	
tert-Amyl methyl ether	EPA 8260B	4L22013	0.054	5.0	0.15	1	12/22/04	12/23/04	MB, J,DX
Methyl tert-butyl ether	EPA 8260B	4L22013	0.036	5.0	ND	1	12/22/04	12/23/04	
tert-Butyl alcohol	EPA 8260B	4L22013	1.1	50	ND	1	12/22/04	12/23/04	
Ethanol	EPA 8260B	4L22013	100	150	ND	1	12/22/04	12/23/04	

Surrogate: 1,2-Dichloroethane-d4 (78-129%)

96 %

Surrogate: Dibromofluoromethane (80-120%)

102 %

Surrogate: Toluene-d8 (80-120%)

99 %

Surrogate: 4-Bromofluorobenzene (80-120%)

88 %

Sample ID: INL0912-04 (TB-0510-20041210 - Water)

Reporting Units: ug/l									
Benzene	EPA 8260B	4L22013	0.085	2.0	ND	1	12/22/04	12/23/04	
Ethylbenzene	EPA 8260B	4L22013	0.098	2.0	ND	1	12/22/04	12/23/04	
Toluene	EPA 8260B	4L22013	0.16	2.0	ND	1	12/22/04	12/23/04	
o-Xylene	EPA 8260B	4L22013	0.24	2.0	ND	1	12/22/04	12/23/04	
m,p-Xylene	EPA 8260B	4L22013	0.24	2.0	ND	1	12/22/04	12/23/04	
Xylenes (total)	EPA 8260B	4L22013	0.24	4.0	ND	1	12/22/04	12/23/04	
Di-isopropyl ether	EPA 8260B	4L22013	0.063	5.0	ND	1	12/22/04	12/23/04	
Ethyl tert-butyl ether	EPA 8260B	4L22013	0.049	5.0	ND	1	12/22/04	12/23/04	
tert-Amyl methyl ether	EPA 8260B	4L22013	0.054	5.0	0.13	1	12/22/04	12/23/04	MB, J,DX
Methyl tert-butyl ether	EPA 8260B	4L22013	0.036	5.0	ND	1	12/22/04	12/23/04	
tert-Butyl alcohol	EPA 8260B	4L22013	1.1	50	ND	1	12/22/04	12/23/04	
Ethanol	EPA 8260B	4L22013	100	150	ND	1	12/22/04	12/23/04	

Surrogate: 1,2-Dichloroethane-d4 (78-129%)

95 %

Surrogate: Dibromofluoromethane (80-120%)

100 %

Surrogate: Toluene-d8 (80-120%)

99 %

Surrogate: 4-Bromofluorobenzene (80-120%)

86 %

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 Wendy Kirkeeng
 Project Manager

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INL0912 <Page 4 of 15>



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SECOR International, Inc.-Thousand Oaks
 290 Conejo Ridge Avenue, Suite 200
 Thousand Oaks, CA 91361
 Attention: Gareth Roberts

Project ID: ARCO 0510, Pasadena

Report Number: INL0912

Sampled: 12/10/04

Received: 12/13/04

Volatile Organic Compounds by EPA Method 8260B

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: INL0912-05 (DUP-0510-20041210 - Water)									
Reporting Units: ug/l									
Benzene	EPA 8260B	4L22013	0.085	2.0	ND	1	12/22/04	12/23/04	
Ethylbenzene	EPA 8260B	4L22013	0.098	2.0	ND	1	12/22/04	12/23/04	
Toluene	EPA 8260B	4L22013	0.16	2.0	ND	1	12/22/04	12/23/04	
o-Xylene	EPA 8260B	4L22013	0.24	2.0	ND	1	12/22/04	12/23/04	
m,p-Xylene	EPA 8260B	4L22013	0.24	2.0	ND	1	12/22/04	12/23/04	
Xylenes (total)	EPA 8260B	4L22013	0.24	4.0	ND	1	12/22/04	12/23/04	
Di-isopropyl ether	EPA 8260B	4L22013	0.063	5.0	0.37	1	12/22/04	12/23/04	J,DXa
Ethyl tert-butyl ether	EPA 8260B	4L22013	0.049	5.0	ND	1	12/22/04	12/23/04	
tert-Amyl methyl ether	EPA 8260B	4L22013	0.054	5.0	0.12	1	12/22/04	12/23/04	MB, J,DX
Methyl tert-butyl ether	EPA 8260B	4L22013	0.036	5.0	ND	1	12/22/04	12/23/04	
tert-Butyl alcohol	EPA 8260B	4L22013	1.1	50	ND	1	12/22/04	12/23/04	
Ethanol	EPA 8260B	4L22013	100	150	ND	1	12/22/04	12/23/04	

Surrogate: 1,2-Dichloroethane-d4 (78-129%)

96 %

Surrogate: Dibromofluoromethane (80-120%)

94 %

Surrogate: Toluene-d8 (80-120%)

99 %

Surrogate: 4-Bromofluorobenzene (80-120%)

83 %

Sample ID: INL0912-06 (EB-0510-20041210 - Water)

Reporting Units: ug/l									
Benzene	EPA 8260B	4L23018	0.085	2.0	ND	1	12/23/04	12/23/04	
Ethylbenzene	EPA 8260B	4L23018	0.098	2.0	ND	1	12/23/04	12/23/04	
Toluene	EPA 8260B	4L23018	0.16	2.0	ND	1	12/23/04	12/23/04	
o-Xylene	EPA 8260B	4L23018	0.24	2.0	ND	1	12/23/04	12/23/04	
m,p-Xylene	EPA 8260B	4L23018	0.24	2.0	ND	1	12/23/04	12/23/04	
Xylenes (total)	EPA 8260B	4L23018	0.24	4.0	ND	1	12/23/04	12/23/04	
Di-isopropyl ether	EPA 8260B	4L23018	0.063	5.0	ND	1	12/23/04	12/23/04	
Ethyl tert-butyl ether	EPA 8260B	4L23018	0.049	5.0	ND	1	12/23/04	12/23/04	
tert-Amyl methyl ether	EPA 8260B	4L23018	0.054	5.0	ND	1	12/23/04	12/23/04	
Methyl tert-butyl ether	EPA 8260B	4L23018	0.036	5.0	ND	1	12/23/04	12/23/04	
tert-Butyl alcohol	EPA 8260B	4L23018	1.1	50	ND	1	12/23/04	12/23/04	
Ethanol	EPA 8260B	4L23018	100	150	ND	1	12/23/04	12/23/04	

Surrogate: 1,2-Dichloroethane-d4 (78-129%)

104 %

Surrogate: Dibromofluoromethane (80-120%)

109 %

Surrogate: Toluene-d8 (80-120%)

86 %

Surrogate: 4-Bromofluorobenzene (80-120%)

85 %

Del Mar Analytical, Irvine
 Wendy Kirkeeng
 Project Manager

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INL0912 <Page 5 of 15>



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 Attention: Gareth Roberts

Project ID: ARCO 0510, Pasadena

Report Number: INL0912

Sampled: 12/10/04
 Received: 12/13/04

METHOD BLANK/QC DATA

VOLATILE FUEL HYDROCARBONS (EPA 5030/8015M)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 4L22019 Extracted: 12/22/04										
Blank Analyzed: 12/22/2004 (4L22019-BLK1)										
GRO (C4 - C12)	ND	50	22	ug/l						
Surrogate: 4-BFB (FID)	9.98			ug/l	10.0		100	65-140		
LCS Analyzed: 12/22/2004 (4L22019-BS1)										
GRO (C4 - C12)	197	50	22	ug/l	220		90	70-140		
Surrogate: 4-BFB (FID)	9.79			ug/l	10.0		98	65-140		
Matrix Spike Analyzed: 12/22/2004 (4L22019-MS1)										
					Source: INL0912-03					
GRO (C4 - C12)	248	50	22	ug/l	220	27	100	60-140		
Surrogate: 4-BFB (FID)	11.2			ug/l	10.0		112	65-140		
Matrix Spike Dup Analyzed: 12/22/2004 (4L22019-MSD1)										
					Source: INL0912-03					
GRO (C4 - C12)	258	50	22	ug/l	220	27	105	60-140	4	20
Surrogate: 4-BFB (FID)	11.7			ug/l	10.0		117	65-140		

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 Thousand Oaks, CA 91361
 Attention: Gareth Roberts

Project ID: ARCO 0510, Pasadena
 Report Number: INL0912

Sampled: 12/10/04
 Received: 12/13/04

METHOD BLANK/QC DATA

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 4L22013 Extracted: 12/22/04										
Blank Analyzed: 12/22/2004 (4L22013-BLK1)										
Benzene	ND	2.0	0.085	ug/l						
Ethylbenzene	ND	2.0	0.098	ug/l						
Toluene	ND	2.0	0.16	ug/l						
o-Xylene	ND	2.0	0.24	ug/l						
m,p-Xylene	0.280	2.0	0.24	ug/l						J,DXa
Xylenes (total)	0.280	4.0	0.24	ug/l						J,DXa
Di-isopropyl ether	ND	5.0	0.063	ug/l						
Ethyl tert-butyl ether	ND	5.0	0.049	ug/l						
tert-Amyl methyl ether	0.140	5.0	0.054	ug/l						J,DXa
Methyl tert-butyl ether	ND	5.0	0.036	ug/l						
tert-Butyl alcohol	ND	50	1.1	ug/l						
Ethanol	ND	150	100	ug/l						
Surrogate: 1,2-Dichloroethane-d4	2.33			ug/l	2.50		93	78-129		
Surrogate: Dibromofluoromethane	2.33			ug/l	2.50		93	80-120		
Surrogate: Toluene-d8	2.62			ug/l	2.50		105	80-120		
Surrogate: 4-Bromofluorobenzene	2.21			ug/l	2.50		88	80-120		
LCS Analyzed: 12/22/2004 (4L22013-BS1)										
Benzene	11.0	2.0	0.085	ug/l	10.0		110	69-124		
Ethylbenzene	8.80	2.0	0.098	ug/l	10.0		88	84-132		
Toluene	11.1	2.0	0.16	ug/l	10.0		111	78-129		
o-Xylene	8.95	2.0	0.24	ug/l	10.0		90	83-137		
m,p-Xylene	18.1	2.0	0.24	ug/l	20.0		90	83-137		
Xylenes (total)	27.0	4.0	0.24	ug/l	30.0		90	83-137		
Di-isopropyl ether	11.4	5.0	0.063	ug/l	10.0		114	76-130		
Ethyl tert-butyl ether	11.3	5.0	0.049	ug/l	10.0		113	81-121		
tert-Amyl methyl ether	11.3	5.0	0.054	ug/l	10.0		113	82-140		
Methyl tert-butyl ether	11.7	5.0	0.036	ug/l	10.0		117	63-137		
tert-Butyl alcohol	52.7	50	1.1	ug/l	50.0		105	56-131		
Ethanol	217	150	100	ug/l	200		108	31-143		
Surrogate: 1,2-Dichloroethane-d4	2.47			ug/l	2.50		99	78-129		
Surrogate: Dibromofluoromethane	2.42			ug/l	2.50		97	80-120		
Surrogate: Toluene-d8	2.52			ug/l	2.50		101	80-120		
Surrogate: 4-Bromofluorobenzene	2.21			ug/l	2.50		88	80-120		

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INL0912 <Page 7 of 15>



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SECOR International, Inc.-Thousand Oaks
 290 Conejo Ridge Avenue, Suite 200
 Thousand Oaks, CA 91361
 Attention: Gareth Roberts

Project ID: ARCO 0510, Pasadena
 Report Number: INL0912

Sampled: 12/10/04
 Received: 12/13/04

METHOD BLANK/QC DATA

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 4L22013 Extracted: 12/22/04										
LCS Analyzed: 12/22/2004 (4L22013-BS2)										
Benzene	5.61	2.0	0.085	ug/l	6.40		88	69-124		
Ethylbenzene	6.99	2.0	0.098	ug/l	7.52		93	84-132		
Toluene	34.8	2.0	0.16	ug/l	31.9		109	78-129		
o-Xylene	9.90	2.0	0.24	ug/l	10.4		95	83-137		
m,p-Xylene	25.1	2.0	0.24	ug/l	26.2		96	83-137		
Xylenes (total)	35.0	4.0	0.24	ug/l	36.6		96	83-137		
Methyl tert-butyl ether	8.65	5.0	0.036	ug/l	9.92		87	63-137		
Surrogate: 1,2-Dichloroethane-d4	2.35			ug/l	2.50		94	78-129		
Surrogate: Dibromofluoromethane	2.38			ug/l	2.50		95	80-120		
Surrogate: Toluene-d8	2.46			ug/l	2.50		98	80-120		
Surrogate: 4-Bromofluorobenzene	2.39			ug/l	2.50		96	80-120		
LCS Dup Analyzed: 12/23/2004 (4L22013-BSD2)										
Benzene	5.48	2.0	0.085	ug/l	6.40		86	69-124	2	20
Ethylbenzene	7.06	2.0	0.098	ug/l	7.52		94	84-132	1	20
Toluene	33.6	2.0	0.16	ug/l	31.9		105	78-129	4	20
o-Xylene	10.2	2.0	0.24	ug/l	10.4		98	83-137	3	20
m,p-Xylene	26.1	2.0	0.24	ug/l	26.2		100	83-137	4	20
Xylenes (total)	36.4	4.0	0.24	ug/l	36.6		99	83-137	4	20
Methyl tert-butyl ether	7.82	5.0	0.036	ug/l	9.92		79	63-137	10	20
Surrogate: 1,2-Dichloroethane-d4	2.29			ug/l	2.50		92	78-129		
Surrogate: Dibromofluoromethane	2.33			ug/l	2.50		93	80-120		
Surrogate: Toluene-d8	2.45			ug/l	2.50		98	80-120		
Surrogate: 4-Bromofluorobenzene	2.47			ug/l	2.50		99	80-120		
Matrix Spike Analyzed: 12/22/2004 (4L22013-MS1)										
						Source: MNL0311-01				
Benzene	57.2	10	0.42	ug/l	50.0	0.65	113	69-124		
Ethylbenzene	47.2	10	0.49	ug/l	50.0	3.4	88	84-132		
Toluene	59.1	10	0.82	ug/l	50.0	4.2	110	78-129		
o-Xylene	60.4	10	1.2	ug/l	50.0	16	89	83-137		
m,p-Xylene	138	10	1.2	ug/l	100	50	88	83-137		
Xylenes (total)	198	20	1.2	ug/l	150	65	89	83-137		
Di-isopropyl ether	59.0	25	0.32	ug/l	50.0	ND	118	76-130		
Ethyl tert-butyl ether	55.0	25	0.24	ug/l	50.0	ND	110	81-121		
tert-Amyl methyl ether	54.3	25	0.27	ug/l	50.0	2.0	105	82-140		
Methyl tert-butyl ether	207	25	0.18	ug/l	50.0	150	114	63-137		

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INL0912 <Page 8 of 15>



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 Attention: Gareth Roberts

Project ID: ARCO 0510, Pasadena
 Report Number: INL0912

Sampled: 12/10/04
 Received: 12/13/04

METHOD BLANK/QC DATA

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 4L22013 Extracted: 12/22/04											
Matrix Spike Analyzed: 12/22/2004 (4L22013-MS1)						Source: MNL0311-01					
tert-Butyl alcohol	499	250	5.3	ug/l	250	230	108	56-131			
Ethanol	1380	750	500	ug/l	1000	ND	138	31-143			
Surrogate: 1,2-Dichloroethane-d4	2.43			ug/l	2.50		97	78-129			
Surrogate: Dibromofluoromethane	2.44			ug/l	2.50		98	80-120			
Surrogate: Toluene-d8	2.55			ug/l	2.50		102	80-120			
Surrogate: 4-Bromofluorobenzene	2.26			ug/l	2.50		90	80-120			
Matrix Spike Dup Analyzed: 12/23/2004 (4L22013-MSD1)						Source: MNL0311-01					
Benzene	55.0	10	0.42	ug/l	50.0	0.65	109	69-124	4	20	
Ethylbenzene	45.2	10	0.49	ug/l	50.0	3.4	84	84-132	4	20	
Toluene	56.1	10	0.82	ug/l	50.0	4.2	104	78-129	5	20	
o-Xylene	57.8	10	1.2	ug/l	50.0	16	84	83-137	4	20	
m,p-Xylene	133	10	1.2	ug/l	100	50	83	83-137	4	20	
Xylenes (total)	191	20	1.2	ug/l	150	65	84	83-137	4	20	
Di-isopropyl ether	56.6	25	0.32	ug/l	50.0	ND	113	76-130	4	20	
Ethyl tert-butyl ether	53.8	25	0.24	ug/l	50.0	ND	108	81-121	2	20	
tert-Amyl methyl ether	52.8	25	0.27	ug/l	50.0	2.0	102	82-140	3	20	
Methyl tert-butyl ether	205	25	0.18	ug/l	50.0	150	110	63-137	1	20	
tert-Butyl alcohol	490	250	5.3	ug/l	250	230	104	56-131	2	20	
Ethanol	1320	750	500	ug/l	1000	ND	132	31-143	4	20	
Surrogate: 1,2-Dichloroethane-d4	2.39			ug/l	2.50		96	78-129			
Surrogate: Dibromofluoromethane	2.38			ug/l	2.50		95	80-120			
Surrogate: Toluene-d8	2.52			ug/l	2.50		101	80-120			
Surrogate: 4-Bromofluorobenzene	2.16			ug/l	2.50		86	80-120			

Batch: 4L23018 Extracted: 12/23/04

Blank Analyzed: 12/23/2004 (4L23018-BLK1)

Benzene	ND	2.0	0.085	ug/l							
Ethylbenzene	ND	2.0	0.098	ug/l							
Toluene	ND	2.0	0.16	ug/l							
o-Xylene	ND	2.0	0.24	ug/l							
m,p-Xylene	ND	2.0	0.24	ug/l							
Xylenes (total)	ND	4.0	0.24	ug/l							
Di-isopropyl ether	ND	5.0	0.063	ug/l							
Ethyl tert-butyl ether	ND	5.0	0.049	ug/l							

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 Attention: Gareth Roberts

Project ID: ARCO 0510, Pasadena
 Report Number: INL0912

Sampled: 12/10/04
 Received: 12/13/04

METHOD BLANK/QC DATA

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 4L23018 Extracted: 12/23/04										
Blank Analyzed: 12/23/2004 (4L23018-BLK1)										
tert-Amyl methyl ether	ND	5.0	0.054	ug/l						
Methyl tert-butyl ether	ND	5.0	0.036	ug/l						
tert-Butyl alcohol	ND	50	1.1	ug/l						
Ethanol	ND	150	100	ug/l						
Surrogate: 1,2-Dichloroethane-d4	5.27			ug/l	5.00		105	78-129		
Surrogate: Dibromofluoromethane	5.48			ug/l	5.00		110	80-120		
Surrogate: Toluene-d8	4.79			ug/l	5.00		96	80-120		
Surrogate: 4-Bromofluorobenzene	4.40			ug/l	5.00		88	80-120		
LCS Analyzed: 12/23/2004 (4L23018-BS1)										
Benzene	10.2	2.0	0.085	ug/l	10.0		102	69-124		
Ethylbenzene	10.7	2.0	0.098	ug/l	10.0		107	84-132		
Toluene	10.2	2.0	0.16	ug/l	10.0		102	78-129		
o-Xylene	10.8	2.0	0.24	ug/l	10.0		108	83-137		
m,p-Xylene	21.0	2.0	0.24	ug/l	20.0		105	83-137		
Xylenes (total)	31.8	4.0	0.24	ug/l	30.0		106	83-137		
Di-isopropyl ether	10.6	5.0	0.063	ug/l	10.0		106	76-130		
Ethyl tert-butyl ether	10.1	5.0	0.049	ug/l	10.0		101	81-121		
tert-Amyl methyl ether	10.5	5.0	0.054	ug/l	10.0		105	82-140		
Methyl tert-butyl ether	10.6	5.0	0.036	ug/l	10.0		106	63-137		
tert-Butyl alcohol	50.9	50	1.1	ug/l	50.0		102	56-131		
Ethanol	184	150	100	ug/l	200		92	31-143		
Surrogate: 1,2-Dichloroethane-d4	4.64			ug/l	5.00		93	78-129		
Surrogate: Dibromofluoromethane	5.01			ug/l	5.00		100	80-120		
Surrogate: Toluene-d8	4.57			ug/l	5.00		91	80-120		
Surrogate: 4-Bromofluorobenzene	4.53			ug/l	5.00		91	80-120		
LCS Analyzed: 12/23/2004 (4L23018-BS2)										
Benzene	5.67	2.0	0.085	ug/l	6.40		89	69-124		
Ethylbenzene	8.45	2.0	0.098	ug/l	7.52		112	84-132		
Toluene	33.4	2.0	0.16	ug/l	31.9		105	78-129		
o-Xylene	11.8	2.0	0.24	ug/l	10.4		113	83-137		
m,p-Xylene	28.7	2.0	0.24	ug/l	26.2		110	83-137		
Xylenes (total)	40.5	4.0	0.24	ug/l	36.6		111	83-137		
Methyl tert-butyl ether	10.3	5.0	0.036	ug/l	9.92		104	63-137		
Surrogate: 1,2-Dichloroethane-d4	5.16			ug/l	5.00		103	78-129		

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 Report Number: INL0912

Sampled: 12/10/04
 Received: 12/13/04

METHOD BLANK/QC DATA

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 4L23018 Extracted: 12/23/04										
LCS Analyzed: 12/23/2004 (4L23018-BS2)										
Surrogate: Dibromofluoromethane	5.43			ug/l	5.00		109 80-120			
Surrogate: Toluene-d8	4.48			ug/l	5.00		90 80-120			
Surrogate: 4-Bromofluorobenzene	4.64			ug/l	5.00		93 80-120			
LCS Dup Analyzed: 12/24/2004 (4L23018-BS1)										
Benzene	10.0	2.0	0.085	ug/l	10.0	100	69-124	2	20	
Ethylbenzene	10.4	2.0	0.098	ug/l	10.0	104	84-132	3	20	
Toluene	9.95	2.0	0.16	ug/l	10.0	100	78-129	2	20	
o-Xylene	10.0	2.0	0.24	ug/l	10.0	100	83-137	8	20	
m,p-Xylene	20.0	2.0	0.24	ug/l	20.0	100	83-137	5	20	
Xylenes (total)	30.0	4.0	0.24	ug/l	30.0	100	83-137	6	20	
Di-isopropyl ether	10.6	5.0	0.063	ug/l	10.0	106	76-130	0	20	
Ethyl tert-butyl ether	10.0	5.0	0.049	ug/l	10.0	100	81-121	1	20	
tert-Amyl methyl ether	10.5	5.0	0.054	ug/l	10.0	105	82-140	0	20	
Methyl tert-butyl ether	10.8	5.0	0.036	ug/l	10.0	108	63-137	2	20	
tert-Butyl alcohol	52.4	50	1.1	ug/l	50.0	105	56-131	3	20	
Ethanol	162	150	100	ug/l	200	81	31-143	13	20	
Surrogate: 1,2-Dichloroethane-d4	4.80			ug/l	5.00	96	78-129			
Surrogate: Dibromofluoromethane	5.32			ug/l	5.00	106	80-120			
Surrogate: Toluene-d8	4.30			ug/l	5.00	86	80-120			
Surrogate: 4-Bromofluorobenzene	4.47			ug/l	5.00	89	80-120			
LCS Dup Analyzed: 12/24/2004 (4L23018-BS2)										
Benzene	5.57	2.0	0.085	ug/l	6.40	87	69-124	2	20	
Ethylbenzene	8.36	2.0	0.098	ug/l	7.52	111	84-132	1	20	
Toluene	36.6	2.0	0.16	ug/l	31.9	115	78-129	9	20	
o-Xylene	12.2	2.0	0.24	ug/l	10.4	117	83-137	3	20	
m,p-Xylene	30.0	2.0	0.24	ug/l	26.2	115	83-137	4	20	
Xylenes (total)	42.2	4.0	0.24	ug/l	36.6	115	83-137	4	20	
Methyl tert-butyl ether	9.01	5.0	0.036	ug/l	9.92	91	63-137	13	20	
Surrogate: 1,2-Dichloroethane-d4	4.34			ug/l	5.00	87	78-129			
Surrogate: Dibromofluoromethane	4.63			ug/l	5.00	93	80-120			
Surrogate: Toluene-d8	4.90			ug/l	5.00	98	80-120			
Surrogate: 4-Bromofluorobenzene	4.75			ug/l	5.00	95	80-120			

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Project ID: ARCO 0510, Pasadena
 Report Number: INL0912

Sampled: 12/10/04
 Received: 12/13/04

METHOD BLANK/QC DATA

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 4L23018 Extracted: 12/23/04										
Matrix Spike Analyzed: 12/24/2004 (4L23018-MS1)					Source: MNL0349-01					
Benzene	306	40	1.7	ug/l	200	140	83	69-124		
Ethylbenzene	215	40	2.0	ug/l	200	ND	108	84-132		
Toluene	213	40	3.3	ug/l	200	ND	106	78-129		
o-Xylene	221	40	4.7	ug/l	200	ND	110	83-137		
m,p-Xylene	422	40	4.7	ug/l	400	ND	106	83-137		
Xylenes (total)	642	80	4.7	ug/l	600	ND	107	83-137		
Di-isopropyl ether	211	100	1.3	ug/l	200	ND	106	76-130		
Ethyl tert-butyl ether	199	100	0.98	ug/l	200	1.6	99	81-121		
tert-Amyl methyl ether	206	100	1.1	ug/l	200	1.8	102	82-140		
Methyl tert-butyl ether	1440	100	0.72	ug/l	200	1500	-30	63-137		BB, LN
tert-Butyl alcohol	1680	1000	21	ug/l	1000	840	84	56-131		
Ethanol	3580	3000	2000	ug/l	4000	ND	90	31-143		
Surrogate: 1,2-Dichloroethane-d4	4.44			ug/l	5.00		89	78-129		
Surrogate: Dibromofluoromethane	4.89			ug/l	5.00		98	80-120		
Surrogate: Toluene-d8	4.53			ug/l	5.00		91	80-120		
Surrogate: 4-Bromofluorobenzene	4.57			ug/l	5.00		91	80-120		
Matrix Spike Analyzed: 12/24/2004 (4L23018-MS2)					Source: MNL0427-23					
Benzene	588	20	0.85	ug/l	100	410	178	69-124		BB, LM
Ethylbenzene	117	20	0.98	ug/l	100	6.8	110	84-132		
Toluene	102	20	1.6	ug/l	100	2.7	99	78-129		
o-Xylene	109	20	2.4	ug/l	100	ND	109	83-137		
m,p-Xylene	214	20	2.4	ug/l	200	4.0	105	83-137		
Xylenes (total)	323	40	2.4	ug/l	300	5.0	106	83-137		
Di-isopropyl ether	112	50	0.63	ug/l	100	0.80	111	76-130		
Ethyl tert-butyl ether	106	50	0.49	ug/l	100	ND	106	81-121		
tert-Amyl methyl ether	109	50	0.54	ug/l	100	ND	109	82-140		
Methyl tert-butyl ether	115	50	0.36	ug/l	100	ND	115	63-137		
tert-Butyl alcohol	525	500	11	ug/l	500	31	99	56-131		
Ethanol	1490	1500	1000	ug/l	2000	ND	74	31-143		J, DXa
Surrogate: 1,2-Dichloroethane-d4	4.86			ug/l	5.00		97	78-129		
Surrogate: Dibromofluoromethane	5.21			ug/l	5.00		104	80-120		
Surrogate: Toluene-d8	4.35			ug/l	5.00		87	80-120		
Surrogate: 4-Bromofluorobenzene	4.87			ug/l	5.00		97	80-120		

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 Wendy Kirkeeng
 Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from Del Mar Analytical.

INL0912 <Page 12 of 15>



Del Mar Analytical

17461 Derian Ave., Suite 100, Irvine, CA 92614 (949) 261-1022 FAX (949) 260-3297
 1014 E. Cooley Dr., Suite A, Colton, CA 92324 (909) 370-4667 FAX (949) 370-1046
 9484 Chesapeake Dr., Suite 805, San Diego, CA 92123 (858) 505-8596 FAX (858) 505-9689
 9830 South 51st St., Suite B-120, Phoenix, AZ 85044 (480) 785-0043 FAX (480) 785-0851
 2520 E. Sunset Rd. #3, Las Vegas, NV 89120 (702) 798-3620 FAX (702) 798-3621

SECOR International, Inc.-Thousand Oaks
 290 Conejo Ridge Avenue, Suite 200
 Thousand Oaks, CA 91361
 Attention: Gareth Roberts

Project ID: ARCO 0510, Pasadena
 Report Number: INL0912

Sampled: 12/10/04
 Received: 12/13/04

METHOD BLANK/QC DATA

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 4L23018 Extracted: 12/23/04											
Matrix Spike Dup Analyzed: 12/24/2004 (4L23018-MSD1)						Source: MNL0349-01					
Benzene	307	40	1.7	ug/l	200	140	84	69-124	0	20	
Ethylbenzene	212	40	2.0	ug/l	200	ND	106	84-132	1	20	
Toluene	201	40	3.3	ug/l	200	ND	100	78-129	6	20	
o-Xylene	214	40	4.7	ug/l	200	ND	107	83-137	3	20	
m,p-Xylene	417	40	4.7	ug/l	400	ND	104	83-137	1	20	
Xylenes (total)	631	80	4.7	ug/l	600	ND	105	83-137	2	20	
Di-isopropyl ether	214	100	1.3	ug/l	200	ND	107	76-130	1	20	
Ethyl tert-butyl ether	204	100	0.98	ug/l	200	1.6	101	81-121	2	20	
tert-Amyl methyl ether	215	100	1.1	ug/l	200	1.8	107	82-140	4	20	
Methyl tert-butyl ether	1500	100	0.72	ug/l	200	1500	0	63-137	4	20	BB, LN
tert-Butyl alcohol	1710	1000	21	ug/l	1000	840	87	56-131	2	20	
Ethanol	3320	3000	2000	ug/l	4000	ND	83	31-143	8	20	
Surrogate: 1,2-Dichloroethane-d4	4.93			ug/l	5.00		99	78-129			
Surrogate: Dibromofluoromethane	5.40			ug/l	5.00		108	80-120			
Surrogate: Toluene-d8	4.38			ug/l	5.00		88	80-120			
Surrogate: 4-Bromofluorobenzene	4.59			ug/l	5.00		92	80-120			
Matrix Spike Dup Analyzed: 12/24/2004 (4L23018-MSD2)						Source: MNL0427-23					
Benzene	581	20	0.85	ug/l	100	410	171	69-124	1	20	BB, LM
Ethylbenzene	115	20	0.98	ug/l	100	6.8	108	84-132	2	20	
Toluene	104	20	1.6	ug/l	100	2.7	101	78-129	2	20	
o-Xylene	108	20	2.4	ug/l	100	ND	108	83-137	1	20	
m,p-Xylene	211	20	2.4	ug/l	200	4.0	104	83-137	1	20	
Xylenes (total)	319	40	2.4	ug/l	300	5.0	105	83-137	1	20	
Di-isopropyl ether	107	50	0.63	ug/l	100	0.80	106	76-130	5	20	
Ethyl tert-butyl ether	99.3	50	0.49	ug/l	100	ND	99	81-121	7	20	
tert-Amyl methyl ether	104	50	0.54	ug/l	100	ND	104	82-140	5	20	
Methyl tert-butyl ether	110	50	0.36	ug/l	100	ND	110	63-137	4	20	
tert-Butyl alcohol	550	500	11	ug/l	500	31	104	56-131	5	20	
Ethanol	2060	1500	1000	ug/l	2000	ND	103	31-143	32	20	RB
Surrogate: 1,2-Dichloroethane-d4	4.51			ug/l	5.00		90	78-129			
Surrogate: Dibromofluoromethane	4.82			ug/l	5.00		96	80-120			
Surrogate: Toluene-d8	4.47			ug/l	5.00		89	80-120			
Surrogate: 4-Bromofluorobenzene	4.84			ug/l	5.00		97	80-120			

Del Mar Analytical, Irvine
 Wendy Kirkeeng
 Project Manager

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INL0912 <Page 13 of 15>



SECOR International, Inc.-Thousand Oaks
290 Conejo Ridge Avenue, Suite 200
Thousand Oaks, CA 91361
Attention: Gareth Roberts

Project ID: ARCO 0510, Pasadena
Report Number: INL0912

Sampled: 12/10/04
Received: 12/13/04

DATA QUALIFIERS AND DEFINITIONS

BB,LM Sample > 4x spike concentration, The MS and/or MSD were above the acceptance limits. See Blank Spike (LCS).
BB,LN Sample > 4x spike concentration, The MS and/or MSD were below the acceptance limits. See Blank Spike (LCS).
BH Reporting limits raised due to high level of non-target analytes
J,DX EPA Flag - Estimated value, Value < lowest standard (MQL), but > than MDL
MB Analyte present in the method blank
PV Hydrocarbon result partly due to individ. peak(s) in quant. range
RB RPD exceeded method control limit; % recoveries within limits.
ND Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.
RPD Relative Percent Difference

ADDITIONAL COMMENTS

For GRO (C4-C12):

GRO (C4-C12) is quantitated against a gasoline standard. Quantitation begins immediately following the methanol peak.

8015 Analysis EDF Parlabel Cross Reference

Analyte	EDF
	Parlabel
GRO (C4 - C12)	GROC4C12

Del Mar Analytical, Irvine
Wendy Kirkeeng
Project Manager



Del Mar Analytical

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Sampled: 12/10/04

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Certification Summary

Del Mar Analytical, Irvine

Method	Matrix	NELAP	CA
EPA 8015B	Water	X	X

NV and NELAP provide analyte specific accreditations. Analyte specific information for Del Mar Analytical may be obtained by contacting the laboratory or visiting our website at www.dmalabs.com.

Subcontracted Laboratories

Sequoia Analytical, Morgan Hill CA ELAP Cert #1210 and AZ DHS Licence #01117CA

885 Jarvis Drive - Morgan Hill, CA 95037

Method Performed: EPA 8260B

Samples: INL0912-01, INL0912-02, INL0912-03, INL0912-04, INL0912-05, INL0912-06

Del Mar Analytical, Irvine

Wendy Kirkeeng

Project Manager



Chain of Custody Record

Project Name: Q4-2004 GROUNDWATER
BP BU/AR Region/Enfos Segment: RETAIL (Coastal +C.LA)
State or Lead Regulatory Agency:
Requested Due Date (12/26/04): Standard TAT

On-site Time:	Temp:
Off-site Time:	Temp:
Sky Conditions:	
Meteorological Events:	
Wind Speed:	Direction:

Lab Name: Del Mar Analytical		BP/AR Facility No.: 0510		Consultant/Contractor: SECOR International, Inc																							
Address: 17461 Derian Ave Ste 100		BP/AR Facility Address: 125 California Blvd E, Pasadena, CA		Address: 290 Conejo Ridge Ave Sute 200																							
Irvine, CA 92614		Site Lat/Long: 34.136/-118.147		Thousand Oaks, CA 91361																							
Lab PM: Chris Roberts		California Global ID No.: T0603702026		Consultant/Contractor Project No.: 37BP.00510.04																							
Tele/Fax: 949-261-1022		Enfos Project No.: G09K0-0073		Consultant/Contractor PM: Lisa Moreno/ Gareth Roberts																							
BP/AR PM Contact: Ray Vose		Provision or RCOP (circle one)		Tele/Fax: 805-230-1266/805-230-1277																							
Address: 4 Centerpoint Dr.		Phase/WBS: 4 MONITORING ONLY		Report Type & QC Level: Standard																							
La Palma, CA		Sub Phase/Task: Analytical		E-mail EDD To: bauchard @secor.com																							
Tele/Fax: 818-957-1755		Cost Element: Sub Contracted Cost		Invoice to: Consultant or BP or Atlantic Richfield Co. (circle one)																							
Lab Bottle Order No:		Matrix		Requested Analysis																							
Item No.	Sample Description	Time	Date	Soil/Solid	Water/Liquid	Air	Laboratory No.	No. of Containers	Unpreserved	H ₂ SO ₄	HNO ₃	HCl	Methanol	GRO C4-C12 (8015)	BTEX/OXY/ET (8260)	Sample Point Lat/Long and Comments											
1	MW-1	1140	12/10/04	X			INL0912	4				X		X	X												
2	MW-2	1120	12/10/04	X				4				X		X	X												
3	MW-3	1100	12/10/04	X				4				X		X	X												
4	TB-0510-20041210	—	12/10/04	X				2				X		X	X												
5	DUP-0510-20041210	—	12/10/04	X				4				X		X	X												
6	EB-0510-20041210	0820	12/10/04	X				4				X		X	X												
7																											
8																											
9																											
10																											
Sampler's Name: Devin O Dickinson		Relinquished By / Affiliation		Date		Time		Accepted By / Affiliation		Date		Time															
Sampler's Company: SECOR		Signature: [Signature]		12/30/04		1435		Signature: [Signature]		12/30/04		1435															
Shipment Date:		Signature: [Signature]		12/30/04		1730		Signature: [Signature]		12/30/04		1730															
Shipment Method:																											
Shipment Tracking No:																											
Special Instructions:																											
Custody Seals In Place Yes No X Temp Blank Yes No X Cooler Temperature on Receipt 6 °F C Trip Blank Yes X No																											

APPENDIX B

Groundwater Sampling Data Sheets

Subjective and Well -Head Evaluation Form

Project No.: Q4-2004 Groundwater

Location: Pasadena

Date: 12/10/04

Station No.: 510

Field Technician: Ryan

Day of Week: Friday

DTW ORDER	WELL ID	SURFICIAL SEAL	CONCRETE SEAL	LID SECURE	GASKET	LOCK	EXPANDING CAP	TOTAL DEPTH (feet)	DEPTH TO WATER (feet)	FLOATING PRODUCT THICKNESS (feet)	DISSOLVED OXYGEN READING (mg/L)	COMMENTS
												* D.O. Taken from first Bailer in cup @ ground level.
	MW-1	Y	Y	Y	Y	N	Y	169	147.28	NA	3.93	Wells Converted to Flush Mount (Emco Wheaton)
	MW-2	Y	Y	Y	Y	N	Y	169	146.95	NA	4.00	Wells Converted to Flush Mount (Emco Wheaton)
	MW-3	Y	Y	Y	Y	N	Y	169	146.59	NA	3.90	Wells Converted to Flush Mount (Emco Wheaton) DUP

Note: Use G=Good and P=poor for well condition

ATLANTIC
RICHFIELD
COMPANY

PROJECT NO: Q4-2004	SAMPLE ID: MW-2
SAMPLER: Ryan	FACILITY NO: 510
DATE: 12/10/04	LOCATION: Pasadena

DEPTH OF WELL (feet): 169	CALCULATED PURGE (gal): 44.1
DEPTH TO WATER (feet): 146.95	ACTUAL PURGE VOL (gal): 45.0
Standing Water in Casing (feet) $22.05 \times 0.20 = 4.41$ + DTW 15.36 = 80% Recharge Water Level	

2 (inches)	Standing Water in Casing (feet)	x 0.5=	3 Casing Volumes (gal.)
4 (inches)	Standing Water in Casing (feet)	x 2.0=	3 Casing Volumes (gal.)

DTW @ Samp. Time: 146.99

[illegible]

** (Turbidity) Heavy, Moderate, Light, Trace

SAMPLING EQUIPMENT

OTHER: Quickie Bailer w/4" PVC Bailer	OTHER: N/A Teflon disposable Bailer
COMMENTS:	

16 ox poly, HNO3:

REVIEWED BY:

DATE: 2/15/07

GROUND WATER SAMPLE FIELD DATA SHEET

ATLANTIC
RICHFIELD
COMPANY

PROJECT NO: Q4-2004	SAMPLE ID: MW-3
SAMPLER: Ryan	FACILITY NO: 510
DATE: 12/10/04	LOCATION: Pasadena

CASING DIAMETER (inches) 2 3 4 6 8 12 OTHER:

DEPTH OF WELL (feet): 169		CALCULATED PURGE (gal): 44.82	
DEPTH TO WATER (feet): 146.59		ACTUAL PURGE VOL (gal): 45	
Standing Water in Casing (feet) 22.41 x 0.20 = 4.48 + DTW = 80% Recharge Water Level			
2 (inches)	Standing Water in Casing (feet)	x 0.5 =	3 Casing Volumes (gal.)
4 (inches)	Standing Water in Casing (feet)	x 2.0 =	3 Casing Volumes (gal.)

Date Purged: 12/10/04

Start (2400 Hr.): 0700

End (2400 Hr.): 0805

Date Sampled: 12/10/04

Time (2400 Hr.): 1100

DTW @ Samp. Time: 146.67

FIELD QC SAMPLES COLLECTED AT THIS WELL (IE: FB-1, X-DUP-1):

EB-510-20041210 (2) 0820

[illegible]

* (Color) Clear, Cloudy, Yellow, Brown

** (Turbidity) Heavy, Moderate, Light, Trace

PURGING EQUIPMENT

SAMPLING EQUIPMENT

OTHER: Quickie Bailers 4" PVC Bailers	OTHER: N/A Teflon disposable bailers
COMMENTS: * Dup-0510-2004 N/A ~	

40 ml VOA, HCL:

1 liter amber, none:

16 ox poly, HNO3:

WATER LEVEL ONLY. NO SAMPLE COLLECTED:

REVIEWED BY:

DATE: 12/15/82

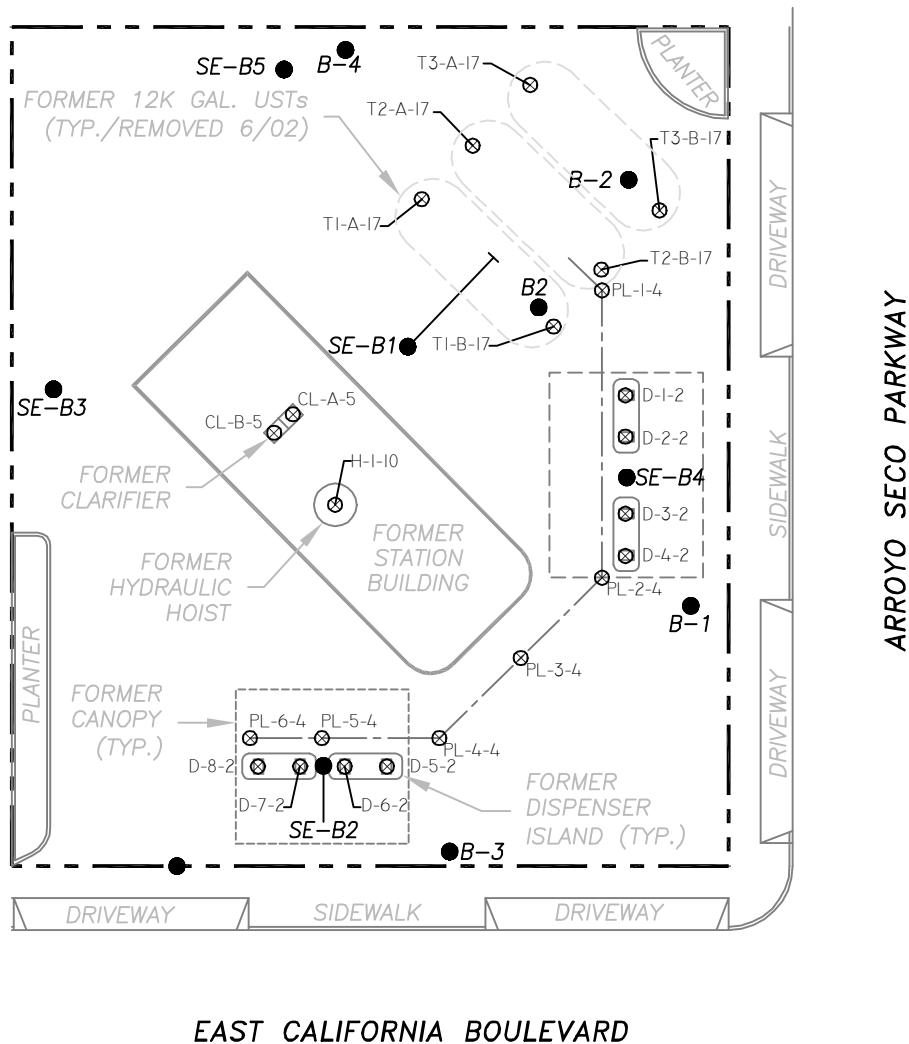
APPENDIX C

Waste Disposal Documents

NO. 644339

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR	SITE:		EPA I.D. NO.	NOT REQUIRED											
	NAME <u>BP WEST COAST PRODUCTS LLC</u> <u>ARCO #510</u>		PROFILE												
	ADDRESS <u>P.O. BOX 80249</u> <u>125 E. CALIFORNIA AVE</u>														
	CITY, STATE, ZIP <u>RANCHO SANTA MARGARITA, CA 92688</u> <u>PASADENA, CA 91103</u>		PHONE NO. ()												
	CONTAINERS: No. <u>2</u> VOLUME <u>110</u> gallons WEIGHT														
	TYPE: <input checked="" type="checkbox"/> TANK TRUCK <input type="checkbox"/> DUMP TRUCK <input type="checkbox"/> CARTONS <input type="checkbox"/> OTHER														
	WASTE DESCRIPTION <u>NON-HAZARDOUS WATER</u> GENERATING PROCESS <u>WELL PURGING/DECON WATER</u>														
	COMPONENTS OF WASTE PPM %		COMPONENTS OF WASTE PPM %												
	1. <u>WATER</u> <u>99-100%</u>		5. _____												
	2. <u>TPH</u> <u><1%</u>		6. _____												
	3. _____		7. <u>BESI#107690.02</u>												
	4. _____		8. _____												
	PROPERTIES: pH <u>7-10</u> <input type="checkbox"/> SOLID <input type="checkbox"/> LIQUID <input type="checkbox"/> SLUDGE <input type="checkbox"/> SLURRY <input type="checkbox"/> OTHER														
	HANDLING INSTRUCTIONS: <u>WEAR ALL APPROPRIATE PROTECTIVE CLOTHING</u>														
	THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS.		<u>Larry Mesthart BESI for ARCO</u> TYPED OR PRINTED FULL NAME & SIGNATURE DATE <u>12/21/04</u>												
TRANSPORTER	NAME <u>Belshine Environmental Services, Inc.</u> <u>Nieto and Sons</u>		EPA I.D. NO.												
	ADDRESS <u>25971 Towne Centre Drive</u> <u>1281 Brea Canyon Road</u>		SERVICE ORDER NO.												
	CITY, STATE, ZIP <u>Lake Forest, CA 92610</u> <u>Brea, CA 92821</u>		PICK UP DATE <u>12 - 29 - 04</u>												
	PHONE NO. <u>949-460-5200</u> <u>(714) 990-6855</u>														
	TRUCK, UNIT, I.D. NO.		<u>SP Auto Steve Nieto (FM)</u> TYPED OR PRINTED FULL NAME & SIGNATURE DATE <u>12 - 29 - 04</u>												
TSD FACILITY	NAME <u>DeManno Kerboon</u>		EPA I.D. NO.												
	ADDRESS <u>2000 N. Alameda St.</u>		DISPOSAL METHOD												
	CITY, STATE, ZIP <u>Compton, CA 90222</u>		<input type="checkbox"/> LANDFILL <input checked="" type="checkbox"/> OTHER												
	PHONE NO. <u>310-537-7100</u>		<u>RECYCLER</u>												
	<u>Andrews Kerboon</u> TYPED OR PRINTED FULL NAME & SIGNATURE DATE <u>1-3-5</u>														
<table border="1"> <tr> <td>GEN</td> <td rowspan="3">OLD/NEW</td> <td>L</td> <td>A</td> <td rowspan="3">TONS</td> </tr> <tr> <td>TRANS</td> <td>S</td> <td>B</td> </tr> <tr> <td>C/O</td> <td>RT/CO</td> <td>HWDF</td> </tr> </table>		GEN	OLD/NEW	L	A	TONS	TRANS	S	B	C/O	RT/CO	HWDF	DISCREPANCY		
GEN	OLD/NEW	L		A	TONS										
TRANS		S		B											
C/O		RT/CO	HWDF												

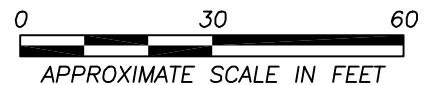


LEGEND

- APPROXIMATE SITE PROPERTY LINE
- PRODUCT LINE LOCATION
- D-1-2 ⊗ SOIL SAMPLE LOCATIONS
- SE-B1 ●--- ANGLED SOIL BORING LOCATION
- SE-B2 ● SOIL BORING LOCATIONS
- B2 ● SOIL BORING (APPLIED GEOSYSTEMS, OCTOBER 1988 & MARCH, APRIL 1989)

LEGEND

1. NOT A SURVEYED MAP, SITE FEATURES AND LOCATIONS ARE APPROXIMATE.



SECOR

International Incorporated

SITE MAP

CLIENT NAME: ATLANTIC RICHFIELD COMPANY
FORMER STATION NO. 0510

SITE ADDRESS: 125 EAST CALIFORNIA BOULEVARD
PASADENA, CALIFORNIA

PROJECT NUMBER:
37BP.0510.01

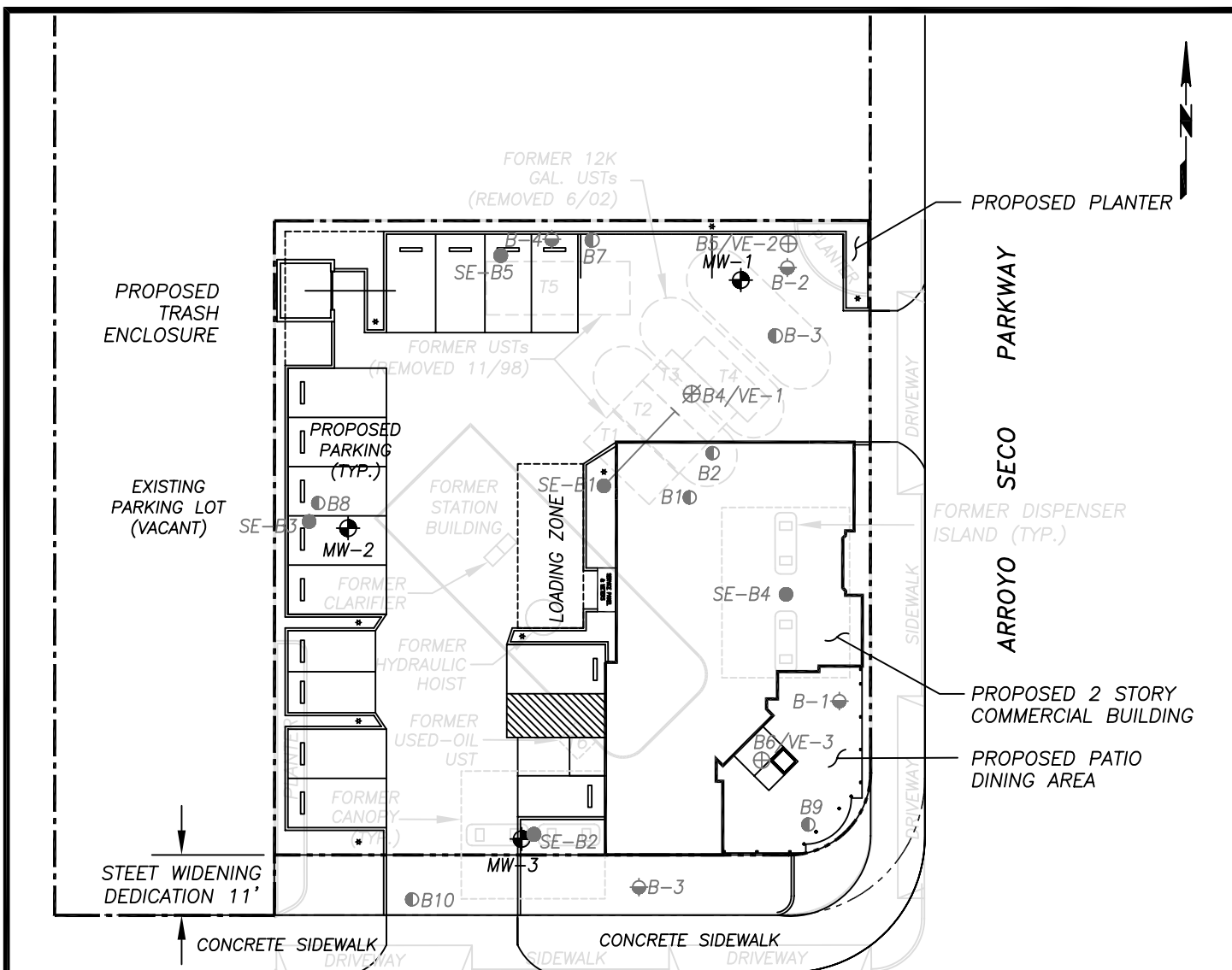
DRAWING DATE:
2/19/03

REVISION NO.:
A

DRAFTED BY:
RAR

CAD FILE:
0510-EDF

FIGURE:
1



EAST CALIFORNIA BOULEVARD

LEGEND

- APPROXIMATE SITE PROPERTY LINE
- SE-B1 ● ANGLD SOIL BORING LOCATION (SECOR 2002)
- SE-B2 ● SOIL BORING LOCATIONS (SECOR 2002)
- B-1 ⊕ SOIL BORING (GOLDER ASSOCIATES)
- B1 ● SOIL BORING (APPLIED GEOSYSTEMS, OCTOBER 1988 & MARCH, APRIL 1989)
- B5/VE-2 ⊕ VAPOR EXTRACTION WELL (APPLIED GEOSYSTEMS, MARCH & APRIL 1989)
- B4/VE-1 ⊕ ABANDONED VAPOR EXTRACTION WELL

- MW-1 ⊕ PROPOSED GROUNDWATER MONITORING WELL LOCATIONS

LEGEND

1. SOURCE OF MAP; MARSHA S. SCULLY & ASSOCIATES, INC., DATED JANUARY 15, 2003.
2. SOIL BORINGS SURVEYED BY WM HOLDINGS ON NOVEMBER 7, 2003 SITE FEATURE LOCATIONS ARE APPROXIMATE.



SECOR

International Incorporated

SITE MAP SHOWING SOIL BORING AND GROUNDWATER MONITORING WELL LOCATIONS

CLIENT NAME: ATLANTIC RICHFIELD COMPANY
FORMER STATION NO. 0510

SITE ADDRESS: 125 EAST CALIFORNIA BOULEVARD
PASADENA, CALIFORNIA

PROJECT NUMBER:
37BP.U510.03

DRAWING DATE:
12/02/03

REVISION NO.:

DRAFTED BY:
RAR/RLE

CAD FILE:
0510-OVLY

FIGURE:
2

Declaration of Environmental Restriction and other Environmental Covenants and Conditions recorded August 21, 2002.

A declaration entered into by 125 ECP, LLC ("Owner") and BP West Coast Products, LLC ("West Coast," former owner of the property).

(1) Grant to West Coast unrestricted access rights to assess, monitor, and perform corrective actions on contamination released during the operation of a gas station.

Oral or written notice must be provided before exercise their access right.

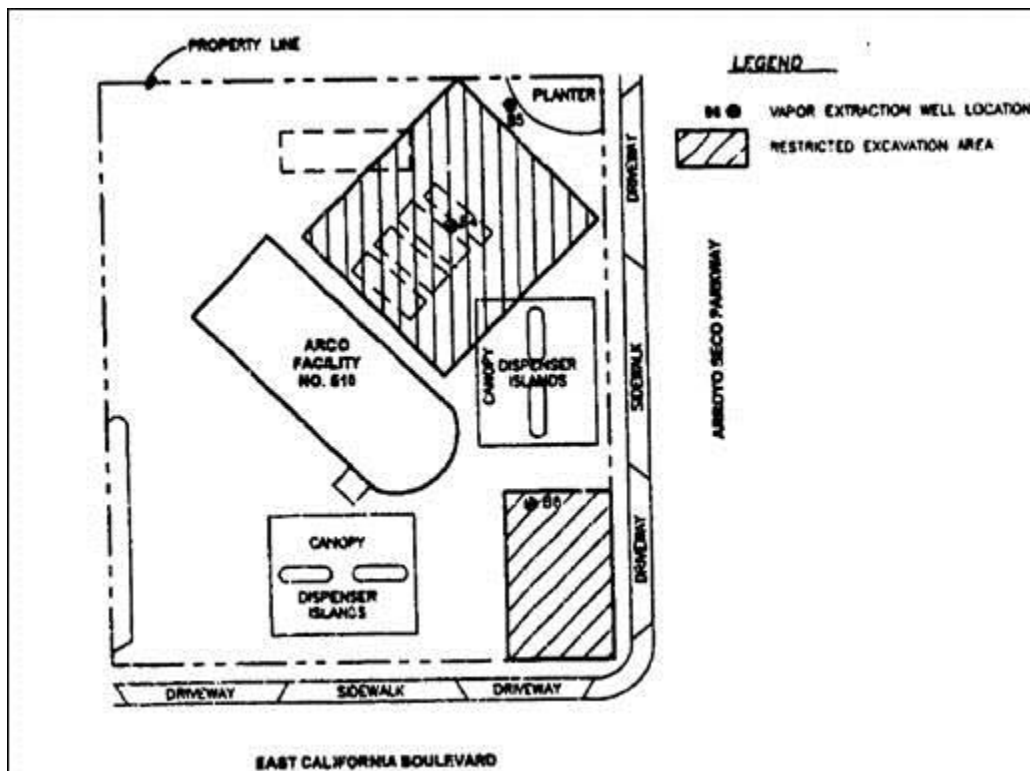
Access rights terminate 90 days after West Coast receives a letter by environmental regulatory agency that no further action with respect to the real estate is required.

(2) Construction Restriction

Requires Owner to obtain, during the access period, West Coast's written approval before constructing any improvements or installing any equipment that would be likely to materially adversely interfere with access rights or affect corrective action.

Restricts Owner from constructing or installing any improvement on or under any Restricted Area, except for asphalt surfacing or landscaping, until 90 days after West Coast receives the no further action letter. Thereafter, until 25 years after the recordation of the instrument, Owner may construct or install improvements on or under any Restricted Area, but only if the construction or installation does not involve excavation at a depth greater than 4 feet below the grade of the Restricted Area.

Restricted Area Depicted below.





Terry Tamminen
Secretary for
Environmental
Protection

California Regional Water Quality Control Board

Los Angeles Region

Over 54 Years Serving Coastal Los Angeles and Ventura Counties
Recipient of the 2001 *Environmental Leadership Award* from Keep California Beautiful



Arnold Schwarzenegger
Governor

320 W. 4th Street, Suite 200, Los Angeles, California 90013
Phone (213) 576-6600 FAX (213) 576-6640 - Internet Address: <http://www.waterboards.ca.gov/losangeles>

December 3, 2004

Mr. Raymond Vose
Atlantic Richfield Company
P.O. Box 8385
La Crescenta, CA 91224-9977

**UNDERGROUND TANK PROGRAM – CASE CLOSURE
FORMER ARCO STATION NO. 510
125 EAST CALIFORNIA BOULEVARD, PASADENA (ID# 911050025)**

Dear Mr. Vose,

This letter confirms the completion of a site investigation and corrective action for the underground storage tank(s) formerly located at the above-described location. Thank you for your cooperation throughout this investigation. Your willingness and promptness in responding to our inquiries concerning the former underground storage tank(s) are greatly appreciated.

Based on information in the above-referenced file and with the provision that the information provided to this agency was accurate and representative of site conditions, this agency finds that the site investigation and corrective action carried out at your underground tank(s) site is in compliance with the requirements of subdivision (a) and (b) of Section 25299.37 of the Health and Safety Code and with corrective action regulations adopted pursuant to Section 25299.77 of the Health and Safety Code and that no further action related to the petroleum release(s) at the site is required. This notice is issued pursuant to subdivision (h) of Section 25299.37 of the Health and Safety Code.

You may decide to retain all or some of the existing groundwater monitoring wells for future monitoring purposes. However, if you choose to abandon the existing groundwater monitoring wells or vapor extractions wells at the subject property, you must comply with the following:

1. All wells must be properly located and abandoned.
2. Well abandonment permits and all other necessary permits must be obtained from the appropriate agencies prior to the start of work.
3. You must submit a report on the abandonment of the wells to this office by **February 3, 2005**. This report must include, at a minimum, a site map, a description of the well abandonment process, and copies of all signed permits.

California Environmental Protection Agency



Recycled Paper

Our mission is to preserve and enhance the quality of California's water resources for the benefit of present and future generations.

Mr. Raymond Vose
Atlantic Richfield Company

- 2 -

December 3, 2004

Please contact Ms. Chandra Cansler at (213) 576-6701, or email her at ccansler@waterboards.ca.gov if you have any questions regarding this matter.

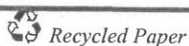
Sincerely,



Jonathan S. Bishop
Executive Officer

cc: Yvonne Shanks, State Water Resources Control Board, Underground Storage Tank
Cleanup Fund
Bruce Mowry, Upper Los Angeles River Area Watermaster
James Weckerle, City of Pasadena Fire Department, Underground Tanks
Gareth Roberts, Secor
Robert Scully, 125 ECP, LLC, 433 North Camden Drive, Suite 1070, Beverly Hills, CA
90210

California Environmental Protection Agency



Our mission is to preserve and enhance the quality of California's water resources for the benefit of present and future generations.



STATE WATER RESOURCES CONTROL BOARD

GEOTRACKER

CASE SUMMARY

REPORT DATE

10/12/1988

HAZARDOUS MATERIAL INCIDENT REPORT FILED WITH OES?

I. REPORTED BY -

UNKNOWN

CREATED BY

UNKNOWN

III. SITE LOCATION

FACILITY NAME

ARCO #0510

FACILITY ID

FACILITY ADDRESS

125 CALIFORNIA BLVD E
PASADENA, CA 91105
LOS ANGELES COUNTY

ORIENTATION OF SITE TO STREET

CROSS STREET

ARROYO PARKWAY

V. SUBSTANCES RELEASED / CONTAMINANT(S) OF CONCERN

GASOLINE

VI. DISCOVERY/ABATEMENT

DATE DISCHARGE BEGAN

DATE DISCOVERED

10/10/1988

HOW DISCOVERED

Other Means

DESCRIPTION

DATE STOPPED

STOP METHOD

DESCRIPTION

VII. SOURCE/CAUSE

SOURCE OF DISCHARGE

Other

CAUSE OF DISCHARGE

Unknown

DISCHARGE DESCRIPTION

VIII. CASE TYPE

CASE TYPE

Aquifer used for drinking water supply

IX. REMEDIAL ACTIONREMEDIAL ACTION

Soil Vapor Extraction (SVE)

BEGIN DATE

11/1/1988

END DATE

11/1/1988

DESCRIPTION**X. GENERAL COMMENTS****XI. CERTIFICATION**

I HEREBY CERTIFY THAT THE INFORMATION REPORTED HEREIN
IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE.

XII. REGULATORY USE ONLYLOCAL AGENCY CASE NUMBERREGIONAL BOARD CASE NUMBER

911050025

LOCAL AGENCYCONTACT NAME

JAMES WECKERLE

INITIALS

JW

ORGANIZATION NAME

PASADENA, CITY OF

EMAIL ADDRESS

jweckerle@ci.pasadena.ca.us

ADDRESS

199 S Los Robles Ave
Pasadena, CA 91101

CONTACT DESCRIPTION

Hazardous Materials Specialist

PHONE TYPE

Phone
fax

PHONE NUMBER

(626)-744-4115
(626)-585-9164

EXTENSION**REGIONAL BOARD**CONTACT NAME

CHANDRA TYLER

INITIALS

CET

ORGANIZATION NAME

LOS ANGELES RWQCB (REGION 4)

EMAIL ADDRESS

cetyler@waterboards.ca.gov

ADDRESS

R4 UNKNOWN, CA

CONTACT DESCRIPTION**PHONE TYPE**

Office

PHONE NUMBER

(213)-576-6782

EXTENSION[Back to Top](#)[Conditions of Use](#)

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CSM REPORT FOR PUBLIC NOTICING

PROJECT INFORMATION (DATA PULLED FROM GEOTRACKER) - [MAP THIS SITE](#)

SITE NAME / ADDRESS	STATUS	STATUS DATE	RELEASE REPORT DATE	AGE OF CASE	CLEANUP OVERSIGHT AGENCIES
ARCO #0510 (Global ID: T0603702026) 125 CALIFORNIA BLVD E PASADENA, CA 91105	Completed - Case Closed	12/3/2004	10/12/1988	30	LOS ANGELES RWQCB (REGION 4) (LEAD) - CASE #: 911050025 CASEWORKER: CHANDRA TYLER - SUPERVISOR: WEIXING TONG PASADENA, CITY OF CASEWORKER: JAMES WECKERLE - SUPERVISOR: NONE SPECIFIED

SITE HISTORY

<NO SITE HISTORY ENTERED>

CLEANUP ACTION INFO

ACTION TYPE	BEGIN DATE	END DATE	PHASE	CONTAMINANT MASS REMOVED	DESCRIPTION
SOIL VAPOR EXTRACTION (SVE)	11/1/1988	11/1/1988	Soil		

RISK INFORMATION

[VIEW CASE REVIEWS](#)

CONTAMINANTS OF CONCERN	CURRENT LAND USE	BENEFICIAL USE	DISCHARGE SOURCE	DATE REPORTED	STOP METHOD	NEARBY / IMPACTED WELLS
Gasoline			Other	10/12/1988		0
FREE PRODUCT	OTHER CONSTITUENTS	NAME OF WATER SYSTEM	LAST REGULATORY ACTIVITY	LAST ESI UPLOAD	EXPECTED CLOSURE DATE	MOST RECENT CLOSURE REQUEST
			7/19/2005	1/14/2005	1/13/2005	

CDPH WELLS WITHIN 1500 FEET OF THIS SITE
NONE

CALCULATED FIELDS (BASED ON LATITUDE / LONGITUDE)

APN	GW BASIN NAME	WATERSHED NAME
No APN Found	Raymond (4-023)	Los Angeles River - Raymond - Pasadena (412.31)
COUNTY	PUBLIC WATER SYSTEM(S)	
Los Angeles	<ul style="list-style-type: none">METROPOLITAN WATER DIST. OF SO. CAL. - P.O. BOX 54153, LOS ANGELES, CA 90054PASADENA-CITY, WATER DEPT. - 150 S. LOS ROBLES AVENUE, SUITE 200, PASADENA, CA 91101	

MOST RECENT CONCENTRATIONS OF PETROLEUM CONSTITUENTS IN GROUNDWATER

[VIEW ESI SUBMITTALS](#)

FIELD PT NAME	DATE	TPH _g	BENZENE	TOLUENE	ETHYL-BENZENE	XYLENES	MTBE	TBA
MW-1	12/10/2004	OTHER	ND	ND	ND	ND	ND	ND
MW-2	12/10/2004	OTHER	ND	ND	ND	ND	ND	ND
MW-3	12/10/2004	OTHER	ND	ND	ND	ND	ND	ND
QCEB	12/10/2004	OTHER	ND	ND	ND	ND	ND	ND
QCTB	12/10/2004	OTHER	ND	ND	ND	ND	ND	ND
SE-B4-DD	9/23/2002	OTHER	2.1 UG/L	19 UG/L	7.1 UG/L	47 UG/L	ND	ND

MOST RECENT CONCENTRATIONS OF PETROLEUM CONSTITUENTS IN SOIL

[VIEW ESI SUBMITTALS](#)

FIELD PT NAME	DATE	TPH _g	BENZENE	TOLUENE	ETHYL-BENZENE	XYLENES	MTBE	TBA
B-1	5/7/2002		0.14 MG/KG	0.17 MG/KG	0.29 MG/KG	0.38 MG/KG	0.022 MG/KG	
B-2	5/7/2002		ND	ND	0.018 MG/KG	0.18 MG/KG	ND	
B-3	5/7/2002		ND	ND	ND	ND	ND	
B-4	5/8/2002		ND	ND	ND	ND	0.037 MG/KG	
CL-A-5	6/18/2002		ND	ND	ND	ND	ND	ND
CL-B-5	6/18/2002		ND	ND	ND	ND	ND	ND
D-1-2	6/18/2002		ND	ND	ND	ND	ND	ND
D-2-2	6/18/2002		ND	ND	ND	ND	ND	ND
D-3-2	6/18/2002		ND	ND	ND	ND	ND	ND
D-4-2	6/18/2002		ND	ND	ND	ND	ND	ND
D-5-2	6/18/2002		ND	ND	ND	ND	ND	ND
D-6-2	6/18/2002		ND	ND	ND	ND	ND	ND
D-7-2	6/18/2002		ND	ND	ND	ND	ND	0.91 MG/KG
D-8-2	6/18/2002		ND	ND	ND	0.0056 MG/KG	ND	0.083 MG/KG
H-1-10	6/20/2002		ND	ND	ND			
MW-1	9/15/2003		0.0021 MG/KG	0.0034 MG/KG	ND	0.011 MG/KG	0.023 MG/KG	0.33 MG/KG
MW-2	9/11/2003		ND	ND	ND	ND	0.0069 MG/KG	ND
MW-3	9/9/2003		1.4 MG/KG	67 MG/KG	53 MG/KG	280 MG/KG	0.012 MG/KG	0.34 MG/KG
PL-1-4	6/18/2002		ND	ND	ND	ND	ND	ND
PL-2-4	6/18/2002		ND	ND	ND	ND	ND	ND
PL-3-4	6/18/2002		ND	ND	ND	ND	ND	ND
PL-4-4	6/18/2002		ND	ND	ND	ND	ND	ND
PL-5-4	6/18/2002		ND	ND	ND	ND	ND	ND
PL-6-4	6/18/2002		ND	ND	ND	ND	ND	ND
SE-B1	8/12/2002		9.8 MG/KG	200 MG/KG	89 MG/KG	540 MG/KG	0.14 MG/KG	0.21 MG/KG
SE-B2	8/12/2002		1.7 MG/KG	22 MG/KG	82 MG/KG	340 MG/KG	2.8 MG/KG	0.18 MG/KG
SE-B3	8/14/2002		ND	ND	ND	ND	ND	ND
SE-B4	9/23/2002		ND	ND	ND	0.0047 MG/KG	ND	ND
SE-B5	8/14/2002		ND	ND	ND	ND	0.0062 MG/KG	0.061 MG/KG
T1-A-17	6/20/2002		ND	ND	ND	0.024 MG/KG	ND	ND
T1-B-17	6/20/2002		1.3 MG/KG	13 MG/KG	8.8 MG/KG	64 MG/KG	ND	ND
T2-A-17	6/20/2002		0.058 MG/KG	0.041 MG/KG	0.24 MG/KG	1.1 MG/KG	ND	ND
T2-B-17	6/20/2002		0.0097 MG/KG	ND	0.29 MG/KG	17 MG/KG	ND	ND
T3-A-17	6/20/2002		ND	ND	0.0063 MG/KG	0.043 MG/KG	ND	ND
T3-B-17	6/20/2002		ND	0.6 MG/KG	17 MG/KG	160 MG/KG	ND	ND

MOST RECENT GEO_WELL DATA

[VIEW ESI SUBMITTALS](#)

FIELD PT NAME	DATE	DEPTH TO WATER (FT)	SHEEN	DEPTH TO FREE PRODUCT (FT)
MW-1	12/10/2004	147.28		
MW-2	12/10/2004	146.95		
MW-3	12/10/2004	146.59		



STATE WATER RESOURCES CONTROL BOARD

GEOTRACKER

ARCO #0510 (T0603702026) - ([MAP](#))[SIGN UP FOR EMAIL ALERTS](#)

125 CALIFORNIA BLVD E
PASADENA, CA 91105
LOS ANGELES COUNTY
[LUST CLEANUP SITE \(INFO\)](#)
[PRINTABLE CASE SUMMARY](#) / [CSM REPORT](#)

EDF DATA REPORT - [BACK TO REPORT](#)

Confirmation Number: 6450856506

Report Title: "Untitled"

Analysis performed by *Del Mar Analytical, Irvine, CA*

EDF Submitted: 11/1/2002 10:26:04 AM

of Field Points Sampled: 24

[\(QC Data\)](#) | [Client Data](#) | [Detections](#)

Samp Date	Samp Time	Analysis Date	Matrix	Field Pt. Name	Samp ID	Method	Parameter	Qualifier
6/18/2002	1220	6/19/2002	SO	CL-B-5	CL-B-5	E418.1	Petroleum Hydrocarbons, Total Recoverable	=
6/18/2002	1210	6/19/2002	SO	CL-A-5	CL-A-5	E418.1	Petroleum Hydrocarbons, Total Recoverable	=
6/18/2002	1210	6/20/2002	SO	CL-A-5	CL-A-5	SW8260B	Bromodichloromethane	ND
6/18/2002	1220	6/20/2002	SO	CL-B-5	CL-B-5	SW8260B	Bromodichloromethane	ND
6/18/2002	1220	6/20/2002	SO	CL-B-5	CL-B-5	SW8260B	Bromobenzene	ND
6/18/2002	1210	6/20/2002	SO	CL-A-5	CL-A-5	SW8260B	Bromobenzene	ND
6/18/2002	1220	6/20/2002	SO	CL-B-5	CL-B-5	SW8260B	Bromochloromethane	ND
6/18/2002	1210	6/20/2002	SO	CL-A-5	CL-A-5	SW8260B	Bromochloromethane	ND
6/18/2002	1210	6/20/2002	SO	CL-A-5	CL-A-5	SW8260B	Bromomethane	ND
6/18/2002	1220	6/20/2002	SO	CL-B-5	CL-B-5	SW8260B	Bromomethane	ND
6/18/2002	1210	6/20/2002	SO	CL-A-5	CL-A-5	SW8260B	n-Butylbenzene	ND
6/18/2002	1220	6/20/2002	SO	CL-B-5	CL-B-5	SW8260B	n-Butylbenzene	ND
6/18/2002	1210	6/20/2002	SO	CL-A-5	CL-A-5	SW8260B	sec-Butylbenzene	ND
6/18/2002	1220	6/20/2002	SO	CL-B-5	CL-B-5	SW8260B	sec-Butylbenzene	ND
6/18/2002	1210	6/20/2002	SO	CL-A-5	CL-A-5	SW8260B	tert-Butylbenzene	ND
6/18/2002	1220	6/20/2002	SO	CL-B-5	CL-B-5	SW8260B	tert-Butylbenzene	ND
6/18/2002	1210	6/20/2002	SO	CL-A-5	CL-A-5	8260+OX	Benzene	ND
6/18/2002	1050	6/20/2002	SO	D-2-2	D-2-2	8260+OX	Benzene	ND
6/18/2002	1220	6/20/2002	SO	CL-B-5	CL-B-5	8260+OX	Benzene	ND
6/18/2002	1200	6/20/2002	SO	PL-6-4	PL-6-4	8260+OX	Benzene	ND
6/18/2002	0950	6/20/2002	SO	D-8-2	D-8-2	8260+OX	Benzene	ND
6/18/2002	1140	6/20/2002	SO	PL-4-4	PL-4-4	8260+OX	Benzene	ND
6/18/2002	1120	6/20/2002	SO	PL-2-4	PL-2-4	8260+OX	Benzene	ND
6/18/2002	1110	6/20/2002	SO	PL-1-4	PL-1-4	8260+OX	Benzene	ND
6/18/2002	1150	6/20/2002	SO	PL-5-4	PL-5-4	8260+OX	Benzene	ND
6/18/2002	1110	6/20/2002	SO	PL-1-4	PL-1-4	8260+OX	Toluene	ND
6/18/2002	1150	6/20/2002	SO	PL-5-4	PL-5-4	8260+OX	Toluene	ND
6/18/2002	1200	6/20/2002	SO	PL-6-4	PL-6-4	8260+OX	Toluene	ND
6/18/2002	0950	6/20/2002	SO	D-8-2	D-8-2	8260+OX	Toluene	ND
6/18/2002	1050	6/20/2002	SO	D-2-2	D-2-2	8260+OX	Toluene	ND
6/18/2002	1120	6/20/2002	SO	PL-2-4	PL-2-4	8260+OX	Toluene	ND
6/18/2002	1140	6/20/2002	SO	PL-4-4	PL-4-4	8260+OX	Toluene	ND
6/18/2002	1220	6/20/2002	SO	CL-B-5	CL-B-5	8260+OX	Toluene	ND
6/18/2002	1210	6/20/2002	SO	CL-A-5	CL-A-5	8260+OX	Toluene	ND

6/18/2002	1220	6/20/2002	SO	CL-B-5	CL-B-5	SW8260B	Chlorobenzene	ND
6/18/2002	1210	6/20/2002	SO	CL-A-5	CL-A-5	SW8260B	Chlorobenzene	ND
6/18/2002	1210	6/20/2002	SO	CL-A-5	CL-A-5	SW8260B	2-Chlorotoluene	ND
6/18/2002	1220	6/20/2002	SO	CL-B-5	CL-B-5	SW8260B	2-Chlorotoluene	ND
6/18/2002	1220	6/20/2002	SO	CL-B-5	CL-B-5	SW8260B	4-Chlorotoluene	ND
6/18/2002	1210	6/20/2002	SO	CL-A-5	CL-A-5	SW8260B	4-Chlorotoluene	ND
6/18/2002	1210	6/20/2002	SO	CL-A-5	CL-A-5	SW8260B	Chloroethane	ND
6/18/2002	1220	6/20/2002	SO	CL-B-5	CL-B-5	SW8260B	Chloroethane	ND
6/18/2002	1210	6/20/2002	SO	CL-A-5	CL-A-5	SW8260B	Chloromethane	ND
6/18/2002	1220	6/20/2002	SO	CL-B-5	CL-B-5	SW8260B	Chloromethane	ND
6/18/2002	1220	6/20/2002	SO	CL-B-5	CL-B-5	SW8260B	Carbon tetrachloride	ND
6/18/2002	1210	6/20/2002	SO	CL-A-5	CL-A-5	SW8260B	Carbon tetrachloride	ND
6/18/2002	1220	6/20/2002	SO	CL-B-5	CL-B-5	SW8260B	4-Isopropyltoluene	ND
6/18/2002	1210	6/20/2002	SO	CL-A-5	CL-A-5	SW8260B	4-Isopropyltoluene	ND
6/18/2002	1220	6/20/2002	SO	CL-B-5	CL-B-5	SW8260B	Dibromochloromethane	ND
6/18/2002	1210	6/20/2002	SO	CL-A-5	CL-A-5	SW8260B	Dibromochloromethane	ND
6/18/2002	1210	6/20/2002	SO	CL-A-5	CL-A-5	SW8260B	1,2-Dibromo-3-chloropropane	ND
6/18/2002	1220	6/20/2002	SO	CL-B-5	CL-B-5	SW8260B	1,2-Dibromo-3-chloropropane	ND
6/18/2002	1210	6/20/2002	SO	CL-A-5	CL-A-5	SW8260B	Dibromomethane	ND
6/18/2002	1220	6/20/2002	SO	CL-B-5	CL-B-5	SW8260B	Dibromomethane	ND
6/18/2002	1220	6/20/2002	SO	CL-B-5	CL-B-5	SW8260B	1,1-Dichloroethane	ND
6/18/2002	1210	6/20/2002	SO	CL-A-5	CL-A-5	SW8260B	1,1-Dichloroethane	ND
6/18/2002	1210	6/20/2002	SO	CL-A-5	CL-A-5	SW8260B	1,2-Dichloroethane	ND
6/18/2002	1220	6/20/2002	SO	CL-B-5	CL-B-5	SW8260B	1,2-Dichloroethane	ND
6/18/2002	1210	6/20/2002	SO	CL-A-5	CL-A-5	SW8260B	1,2-Dichlorobenzene	ND
6/18/2002	1220	6/20/2002	SO	CL-B-5	CL-B-5	SW8260B	1,2-Dichlorobenzene	ND
6/18/2002	1210	6/20/2002	SO	CL-A-5	CL-A-5	SW8260B	1,3-Dichlorobenzene	ND
6/18/2002	1220	6/20/2002	SO	CL-B-5	CL-B-5	SW8260B	1,3-Dichlorobenzene	ND
6/18/2002	1210	6/20/2002	SO	CL-A-5	CL-A-5	SW8260B	1,4-Dichlorobenzene	ND
6/18/2002	1220	6/20/2002	SO	CL-B-5	CL-B-5	SW8260B	1,4-Dichlorobenzene	ND
6/18/2002	1220	6/20/2002	SO	CL-B-5	CL-B-5	SW8260B	1,1-Dichloroethene	ND
6/18/2002	1210	6/20/2002	SO	CL-A-5	CL-A-5	SW8260B	1,1-Dichloroethene	ND
6/18/2002	1220	6/20/2002	SO	CL-B-5	CL-B-5	SW8260B	cis-1,2-Dichloroethene	ND
6/18/2002	1210	6/20/2002	SO	CL-A-5	CL-A-5	SW8260B	cis-1,2-Dichloroethene	ND
6/18/2002	1210	6/20/2002	SO	CL-A-5	CL-A-5	SW8260B	trans-1,2-Dichloroethene	ND
6/18/2002	1220	6/20/2002	SO	CL-B-5	CL-B-5	SW8260B	trans-1,2-Dichloroethene	ND
6/18/2002	1210	6/20/2002	SO	CL-A-5	CL-A-5	SW8260B	1,1-Dichloropropene	ND
6/18/2002	1220	6/20/2002	SO	CL-B-5	CL-B-5	SW8260B	1,1-Dichloropropene	ND
6/18/2002	1220	6/20/2002	SO	CL-B-5	CL-B-5	SW8260B	cis-1,3-Dichloropropene	ND
6/18/2002	1210	6/20/2002	SO	CL-A-5	CL-A-5	SW8260B	cis-1,3-Dichloropropene	ND
6/18/2002	1220	6/20/2002	SO	CL-B-5	CL-B-5	SW8260B	trans-1,3-Dichloropropene	ND
6/18/2002	1210	6/20/2002	SO	CL-A-5	CL-A-5	SW8260B	trans-1,3-Dichloropropene	ND
6/18/2002	1210	6/20/2002	SO	CL-A-5	CL-A-5	SW8260B	1,2-Dichloropropane	ND
6/18/2002	1220	6/20/2002	SO	CL-B-5	CL-B-5	SW8260B	1,2-Dichloropropane	ND
6/18/2002	1210	6/20/2002	SO	CL-A-5	CL-A-5	SW8260B	1,3-Dichloropropane	ND
6/18/2002	1220	6/20/2002	SO	CL-B-5	CL-B-5	SW8260B	1,3-Dichloropropane	ND
6/18/2002	1220	6/20/2002	SO	CL-B-5	CL-B-5	SW8260B	2,2-Dichloropropane	ND
6/18/2002	1210	6/20/2002	SO	CL-A-5	CL-A-5	SW8260B	2,2-Dichloropropane	ND
6/18/2002	1120	6/20/2002	SO	PL-2-4	PL-2-4	8260+OX	Di-isopropyl ether (DIPE)	ND
6/18/2002	1200	6/20/2002	SO	PL-6-4	PL-6-4	8260+OX	Di-isopropyl ether (DIPE)	ND
6/18/2002	1150	6/20/2002	SO	PL-5-4	PL-5-4	8260+OX	Di-isopropyl ether (DIPE)	ND
6/18/2002	1220	6/20/2002	SO	CL-B-5	CL-B-5	8260+OX	Di-isopropyl ether (DIPE)	ND
6/18/2002	0950	6/20/2002	SO	D-8-2	D-8-2	8260+OX	Di-isopropyl ether (DIPE)	ND
6/18/2002	1140	6/20/2002	SO	PL-4-4	PL-4-4	8260+OX	Di-isopropyl ether (DIPE)	ND
6/18/2002	1050	6/20/2002	SO	D-2-2	D-2-2	8260+OX	Di-isopropyl ether (DIPE)	ND
6/18/2002	1210	6/20/2002	SO	CL-A-5	CL-A-5	8260+OX	Di-isopropyl ether (DIPE)	ND
6/18/2002	1110	6/20/2002	SO	PL-1-4	PL-1-4	8260+OX	Di-isopropyl ether (DIPE)	ND

6/18/2002	1200	6/20/2002	SO	PL-6-4	PL-6-4	8260+OX	Ethylbenzene	ND
6/18/2002	1140	6/20/2002	SO	PL-4-4	PL-4-4	8260+OX	Ethylbenzene	ND
6/18/2002	1110	6/20/2002	SO	PL-1-4	PL-1-4	8260+OX	Ethylbenzene	ND
6/18/2002	1220	6/20/2002	SO	CL-B-5	CL-B-5	8260+OX	Ethylbenzene	ND
6/18/2002	1120	6/20/2002	SO	PL-2-4	PL-2-4	8260+OX	Ethylbenzene	ND
6/18/2002	1150	6/20/2002	SO	PL-5-4	PL-5-4	8260+OX	Ethylbenzene	ND
6/18/2002	1050	6/20/2002	SO	D-2-2	D-2-2	8260+OX	Ethylbenzene	ND
6/18/2002	0950	6/20/2002	SO	D-8-2	D-8-2	8260+OX	Ethylbenzene	ND
6/18/2002	1210	6/20/2002	SO	CL-A-5	CL-A-5	8260+OX	Ethylbenzene	ND
6/18/2002	1210	6/20/2002	SO	CL-A-5	CL-A-5	SW8260B	1,2-Dibromoethane	ND
6/18/2002	1220	6/20/2002	SO	CL-B-5	CL-B-5	SW8260B	1,2-Dibromoethane	ND
6/18/2002	1050	6/20/2002	SO	D-2-2	D-2-2	8260+OX	Ethyl tert-butyl ether (ETBE)	ND
6/18/2002	1120	6/20/2002	SO	PL-2-4	PL-2-4	8260+OX	Ethyl tert-butyl ether (ETBE)	ND
6/18/2002	1220	6/20/2002	SO	CL-B-5	CL-B-5	8260+OX	Ethyl tert-butyl ether (ETBE)	ND
6/18/2002	1210	6/20/2002	SO	CL-A-5	CL-A-5	8260+OX	Ethyl tert-butyl ether (ETBE)	ND
6/18/2002	1200	6/20/2002	SO	PL-6-4	PL-6-4	8260+OX	Ethyl tert-butyl ether (ETBE)	ND
6/18/2002	1140	6/20/2002	SO	PL-4-4	PL-4-4	8260+OX	Ethyl tert-butyl ether (ETBE)	ND
6/18/2002	1110	6/20/2002	SO	PL-1-4	PL-1-4	8260+OX	Ethyl tert-butyl ether (ETBE)	ND
6/18/2002	1150	6/20/2002	SO	PL-5-4	PL-5-4	8260+OX	Ethyl tert-butyl ether (ETBE)	ND
6/18/2002	0950	6/20/2002	SO	D-8-2	D-8-2	8260+OX	Ethyl tert-butyl ether (ETBE)	ND
6/18/2002	1210	6/20/2002	SO	CL-A-5	CL-A-5	SW8260B	Trichlorofluoromethane	ND
6/18/2002	1220	6/20/2002	SO	CL-B-5	CL-B-5	SW8260B	Trichlorofluoromethane	ND
6/18/2002	1220	6/20/2002	SO	CL-B-5	CL-B-5	SW8260B	Dichlorodifluoromethane	ND
6/18/2002	1210	6/20/2002	SO	CL-A-5	CL-A-5	SW8260B	Dichlorodifluoromethane	ND
6/18/2002	1220	6/20/2002	SO	CL-B-5	CL-B-5	SW8260B	Hexachlorobutadiene	ND
6/18/2002	1210	6/20/2002	SO	CL-A-5	CL-A-5	SW8260B	Hexachlorobutadiene	ND
6/18/2002	1220	6/20/2002	SO	CL-B-5	CL-B-5	SW8260B	Isopropylbenzene	ND
6/18/2002	1210	6/20/2002	SO	CL-A-5	CL-A-5	SW8260B	Isopropylbenzene	ND
6/18/2002	1140	6/20/2002	SO	PL-4-4	PL-4-4	8260+OX	Methyl-tert-butyl ether (MTBE)	ND
6/18/2002	1050	6/20/2002	SO	D-2-2	D-2-2	8260+OX	Methyl-tert-butyl ether (MTBE)	ND
6/18/2002	0950	6/20/2002	SO	D-8-2	D-8-2	8260+OX	Methyl-tert-butyl ether (MTBE)	ND
6/18/2002	1150	6/20/2002	SO	PL-5-4	PL-5-4	8260+OX	Methyl-tert-butyl ether (MTBE)	ND
6/18/2002	1110	6/20/2002	SO	PL-1-4	PL-1-4	8260+OX	Methyl-tert-butyl ether (MTBE)	ND
6/18/2002	1210	6/20/2002	SO	CL-A-5	CL-A-5	8260+OX	Methyl-tert-butyl ether (MTBE)	ND
6/18/2002	1200	6/20/2002	SO	PL-6-4	PL-6-4	8260+OX	Methyl-tert-butyl ether (MTBE)	ND
6/18/2002	1220	6/20/2002	SO	CL-B-5	CL-B-5	8260+OX	Methyl-tert-butyl ether (MTBE)	ND
6/18/2002	1120	6/20/2002	SO	PL-2-4	PL-2-4	8260+OX	Methyl-tert-butyl ether (MTBE)	ND
6/18/2002	1210	6/20/2002	SO	CL-A-5	CL-A-5	SW8260B	Methylene chloride	ND
6/18/2002	1220	6/20/2002	SO	CL-B-5	CL-B-5	SW8260B	Methylene chloride	ND
6/18/2002	1210	6/20/2002	SO	CL-A-5	CL-A-5	SW8260B	Naphthalene	ND
6/18/2002	1220	6/20/2002	SO	CL-B-5	CL-B-5	SW8260B	Naphthalene	ND
6/18/2002	1210	6/20/2002	SO	CL-A-5	CL-A-5	SW8260B	n-Propylbenzene	ND
6/18/2002	1220	6/20/2002	SO	CL-B-5	CL-B-5	SW8260B	n-Propylbenzene	ND
6/18/2002	1220	6/20/2002	SO	CL-B-5	CL-B-5	SW8260B	1,1,2,2-Tetrachloroethane	ND
6/18/2002	1210	6/20/2002	SO	CL-A-5	CL-A-5	SW8260B	1,1,2,2-Tetrachloroethane	ND
6/18/2002	1210	6/20/2002	SO	CL-A-5	CL-A-5	SW8260B	Tetrachloroethene (PCE)	ND
6/18/2002	1220	6/20/2002	SO	CL-B-5	CL-B-5	SW8260B	Tetrachloroethene (PCE)	ND
6/18/2002	1210	6/20/2002	SO	CL-A-5	CL-A-5	SW8260B	Styrene	ND
6/18/2002	1220	6/20/2002	SO	CL-B-5	CL-B-5	SW8260B	Styrene	ND
6/18/2002	0950	6/20/2002	SO	D-8-2	D-8-2	8260+OX	tert-Amyl methyl ether (TAME)	ND
6/18/2002	1050	6/20/2002	SO	D-2-2	D-2-2	8260+OX	tert-Amyl methyl ether (TAME)	ND
6/18/2002	1150	6/20/2002	SO	PL-5-4	PL-5-4	8260+OX	tert-Amyl methyl ether (TAME)	ND
6/18/2002	1120	6/20/2002	SO	PL-2-4	PL-2-4	8260+OX	tert-Amyl methyl ether (TAME)	ND
6/18/2002	1200	6/20/2002	SO	PL-6-4	PL-6-4	8260+OX	tert-Amyl methyl ether (TAME)	ND
6/18/2002	1140	6/20/2002	SO	PL-4-4	PL-4-4	8260+OX	tert-Amyl methyl ether (TAME)	ND
6/18/2002	1220	6/20/2002	SO	CL-B-5	CL-B-5	8260+OX	tert-Amyl methyl ether (TAME)	ND
6/18/2002	1110	6/20/2002	SO	PL-1-4	PL-1-4	8260+OX	tert-Amyl methyl ether (TAME)	ND

6/18/2002	1210	6/20/2002	SO	CL-A-5	CL-A-5	8260+OX	tert-Amyl methyl ether (TAME)	ND
6/18/2002	1120	6/20/2002	SO	PL-2-4	PL-2-4	8260+OX	tert-Butyl alcohol (TBA)	ND
6/18/2002	0950	6/20/2002	SO	D-8-2	D-8-2	8260+OX	tert-Butyl alcohol (TBA)	=
6/18/2002	1220	6/20/2002	SO	CL-B-5	CL-B-5	8260+OX	tert-Butyl alcohol (TBA)	ND
6/18/2002	1050	6/20/2002	SO	D-2-2	D-2-2	8260+OX	tert-Butyl alcohol (TBA)	ND
6/18/2002	1210	6/20/2002	SO	CL-A-5	CL-A-5	8260+OX	tert-Butyl alcohol (TBA)	ND
6/18/2002	1200	6/20/2002	SO	PL-6-4	PL-6-4	8260+OX	tert-Butyl alcohol (TBA)	ND
6/18/2002	1110	6/20/2002	SO	PL-1-4	PL-1-4	8260+OX	tert-Butyl alcohol (TBA)	ND
6/18/2002	1150	6/20/2002	SO	PL-5-4	PL-5-4	8260+OX	tert-Butyl alcohol (TBA)	ND
6/18/2002	1140	6/20/2002	SO	PL-4-4	PL-4-4	8260+OX	tert-Butyl alcohol (TBA)	ND
6/18/2002	1210	6/20/2002	SO	CL-A-5	CL-A-5	SW8260B	Bromoform	ND
6/18/2002	1220	6/20/2002	SO	CL-B-5	CL-B-5	SW8260B	Bromoform	ND
6/18/2002	1220	6/20/2002	SO	CL-B-5	CL-B-5	SW8260B	1,1,1,2-Tetrachloroethane	ND
6/18/2002	1210	6/20/2002	SO	CL-A-5	CL-A-5	SW8260B	1,1,1,2-Tetrachloroethane	ND
6/18/2002	1210	6/20/2002	SO	CL-A-5	CL-A-5	SW8260B	1,1,1-Trichloroethane	ND
6/18/2002	1220	6/20/2002	SO	CL-B-5	CL-B-5	SW8260B	1,1,1-Trichloroethane	ND
6/18/2002	1210	6/20/2002	SO	CL-A-5	CL-A-5	SW8260B	1,1,2-Trichloroethane	ND
6/18/2002	1220	6/20/2002	SO	CL-B-5	CL-B-5	SW8260B	1,1,2-Trichloroethane	ND
6/18/2002	1210	6/20/2002	SO	CL-A-5	CL-A-5	SW8260B	1,2,3-Trichlorobenzene	ND
6/18/2002	1220	6/20/2002	SO	CL-B-5	CL-B-5	SW8260B	1,2,3-Trichlorobenzene	ND
6/18/2002	1220	6/20/2002	SO	CL-B-5	CL-B-5	SW8260B	1,2,4-Trichlorobenzene	ND
6/18/2002	1210	6/20/2002	SO	CL-A-5	CL-A-5	SW8260B	1,2,4-Trichlorobenzene	ND
6/18/2002	1220	6/20/2002	SO	CL-B-5	CL-B-5	SW8260B	Trichloroethene (TCE)	ND
6/18/2002	1210	6/20/2002	SO	CL-A-5	CL-A-5	SW8260B	Trichloroethene (TCE)	ND
6/18/2002	1220	6/20/2002	SO	CL-B-5	CL-B-5	SW8260B	Chloroform	ND
6/18/2002	1210	6/20/2002	SO	CL-A-5	CL-A-5	SW8260B	Chloroform	ND
6/18/2002	1220	6/20/2002	SO	CL-B-5	CL-B-5	SW8260B	1,2,3-Trichloropropane	ND
6/18/2002	1210	6/20/2002	SO	CL-A-5	CL-A-5	SW8260B	1,2,3-Trichloropropane	ND
6/18/2002	1220	6/20/2002	SO	CL-B-5	CL-B-5	SW8260B	1,2,4-Trimethylbenzene	ND
6/18/2002	1210	6/20/2002	SO	CL-A-5	CL-A-5	SW8260B	1,2,4-Trimethylbenzene	ND
6/18/2002	1220	6/20/2002	SO	CL-B-5	CL-B-5	SW8260B	1,3,5-Trimethylbenzene	ND
6/18/2002	1210	6/20/2002	SO	CL-A-5	CL-A-5	SW8260B	1,3,5-Trimethylbenzene	ND
6/18/2002	1210	6/20/2002	SO	CL-A-5	CL-A-5	SW8260B	Vinyl chloride	ND
6/18/2002	1220	6/20/2002	SO	CL-B-5	CL-B-5	SW8260B	Vinyl chloride	ND
6/18/2002	1210	6/20/2002	SO	CL-A-5	CL-A-5	8260+OX	Xylenes	ND
6/18/2002	0950	6/20/2002	SO	D-8-2	D-8-2	8260+OX	Xylenes	=
6/18/2002	1150	6/20/2002	SO	PL-5-4	PL-5-4	8260+OX	Xylenes	ND
6/18/2002	1120	6/20/2002	SO	PL-2-4	PL-2-4	8260+OX	Xylenes	ND
6/18/2002	1220	6/20/2002	SO	CL-B-5	CL-B-5	8260+OX	Xylenes	ND
6/18/2002	1110	6/20/2002	SO	PL-1-4	PL-1-4	8260+OX	Xylenes	ND
6/18/2002	1050	6/20/2002	SO	D-2-2	D-2-2	8260+OX	Xylenes	ND
6/18/2002	1200	6/20/2002	SO	PL-6-4	PL-6-4	8260+OX	Xylenes	ND
6/18/2002	1140	6/20/2002	SO	PL-4-4	PL-4-4	8260+OX	Xylenes	ND
6/18/2002	1140	6/20/2002	SO	PL-4-4	PL-4-4	8260+OX	Xylene, Isomers m & p	ND
6/18/2002	1200	6/20/2002	SO	PL-6-4	PL-6-4	8260+OX	Xylene, Isomers m & p	ND
6/18/2002	1050	6/20/2002	SO	D-2-2	D-2-2	8260+OX	Xylene, Isomers m & p	ND
6/18/2002	1150	6/20/2002	SO	PL-5-4	PL-5-4	8260+OX	Xylene, Isomers m & p	ND
6/18/2002	1120	6/20/2002	SO	PL-2-4	PL-2-4	8260+OX	Xylene, Isomers m & p	ND
6/18/2002	0950	6/20/2002	SO	D-8-2	D-8-2	8260+OX	Xylene, Isomers m & p	ND
6/18/2002	1210	6/20/2002	SO	CL-A-5	CL-A-5	8260+OX	Xylene, Isomers m & p	ND
6/18/2002	1220	6/20/2002	SO	CL-B-5	CL-B-5	8260+OX	Xylene, Isomers m & p	ND
6/18/2002	1110	6/20/2002	SO	PL-1-4	PL-1-4	8260+OX	Xylene, Isomers m & p	ND
6/18/2002	1120	6/20/2002	SO	PL-2-4	PL-2-4	8260+OX	o-Xylene	ND
6/18/2002	1150	6/20/2002	SO	PL-5-4	PL-5-4	8260+OX	o-Xylene	ND
6/18/2002	1110	6/20/2002	SO	PL-1-4	PL-1-4	8260+OX	o-Xylene	ND
6/18/2002	1210	6/20/2002	SO	CL-A-5	CL-A-5	8260+OX	o-Xylene	ND
6/18/2002	1140	6/20/2002	SO	PL-4-4	PL-4-4	8260+OX	o-Xylene	ND

6/18/2002	1050	6/20/2002	SO	D-2-2	D-2-2	8260+OX	o-Xylene	ND
6/18/2002	1200	6/20/2002	SO	PL-6-4	PL-6-4	8260+OX	o-Xylene	ND
6/18/2002	0950	6/20/2002	SO	D-8-2	D-8-2	8260+OX	o-Xylene	ND
6/18/2002	1220	6/20/2002	SO	CL-B-5	CL-B-5	8260+OX	o-Xylene	ND
6/18/2002	1130	6/21/2002	SO	PL-3-4	PL-3-4	8260+OX	Benzene	ND
6/18/2002	1100	6/21/2002	SO	D-1-2	D-1-2	8260+OX	Benzene	ND
6/18/2002	1040	6/21/2002	SO	D-3-2	D-3-2	8260+OX	Benzene	ND
6/18/2002	1010	6/21/2002	SO	D-6-2	D-6-2	8260+OX	Benzene	ND
6/18/2002	1020	6/21/2002	SO	D-5-2	D-5-2	8260+OX	Benzene	ND
6/18/2002	1000	6/21/2002	SO	D-7-2	D-7-2	8260+OX	Benzene	ND
6/18/2002	1030	6/21/2002	SO	D-4-2	D-4-2	8260+OX	Benzene	ND
6/18/2002	1100	6/21/2002	SO	D-1-2	D-1-2	8260+OX	Toluene	ND
6/18/2002	1130	6/21/2002	SO	PL-3-4	PL-3-4	8260+OX	Toluene	ND
6/18/2002	1020	6/21/2002	SO	D-5-2	D-5-2	8260+OX	Toluene	ND
6/18/2002	1030	6/21/2002	SO	D-4-2	D-4-2	8260+OX	Toluene	ND
6/18/2002	1000	6/21/2002	SO	D-7-2	D-7-2	8260+OX	Toluene	ND
6/18/2002	1010	6/21/2002	SO	D-6-2	D-6-2	8260+OX	Toluene	ND
6/18/2002	1040	6/21/2002	SO	D-3-2	D-3-2	8260+OX	Toluene	ND
6/18/2002	1030	6/21/2002	SO	D-4-2	D-4-2	8260+OX	Di-isopropyl ether (DIPE)	ND
6/18/2002	1040	6/21/2002	SO	D-3-2	D-3-2	8260+OX	Di-isopropyl ether (DIPE)	ND
6/18/2002	1130	6/21/2002	SO	PL-3-4	PL-3-4	8260+OX	Di-isopropyl ether (DIPE)	ND
6/18/2002	1020	6/21/2002	SO	D-5-2	D-5-2	8260+OX	Di-isopropyl ether (DIPE)	ND
6/18/2002	1010	6/21/2002	SO	D-6-2	D-6-2	8260+OX	Di-isopropyl ether (DIPE)	ND
6/18/2002	1000	6/21/2002	SO	D-7-2	D-7-2	8260+OX	Di-isopropyl ether (DIPE)	ND
6/18/2002	1100	6/21/2002	SO	D-1-2	D-1-2	8260+OX	Di-isopropyl ether (DIPE)	ND
6/18/2002	1020	6/21/2002	SO	D-5-2	D-5-2	8260+OX	Ethylbenzene	ND
6/18/2002	1000	6/21/2002	SO	D-7-2	D-7-2	8260+OX	Ethylbenzene	ND
6/18/2002	1030	6/21/2002	SO	D-4-2	D-4-2	8260+OX	Ethylbenzene	ND
6/18/2002	1010	6/21/2002	SO	D-6-2	D-6-2	8260+OX	Ethylbenzene	ND
6/18/2002	1100	6/21/2002	SO	D-1-2	D-1-2	8260+OX	Ethylbenzene	ND
6/18/2002	1130	6/21/2002	SO	PL-3-4	PL-3-4	8260+OX	Ethylbenzene	ND
6/18/2002	1040	6/21/2002	SO	D-3-2	D-3-2	8260+OX	Ethylbenzene	ND
6/18/2002	1100	6/21/2002	SO	D-1-2	D-1-2	8260+OX	Ethyl tert-butyl ether (ETBE)	ND
6/18/2002	1020	6/21/2002	SO	D-5-2	D-5-2	8260+OX	Ethyl tert-butyl ether (ETBE)	ND
6/18/2002	1010	6/21/2002	SO	D-6-2	D-6-2	8260+OX	Ethyl tert-butyl ether (ETBE)	ND
6/18/2002	1040	6/21/2002	SO	D-3-2	D-3-2	8260+OX	Ethyl tert-butyl ether (ETBE)	ND
6/18/2002	1130	6/21/2002	SO	PL-3-4	PL-3-4	8260+OX	Ethyl tert-butyl ether (ETBE)	ND
6/18/2002	1030	6/21/2002	SO	D-4-2	D-4-2	8260+OX	Ethyl tert-butyl ether (ETBE)	ND
6/18/2002	1000	6/21/2002	SO	D-7-2	D-7-2	8260+OX	Ethyl tert-butyl ether (ETBE)	ND
6/18/2002	1030	6/21/2002	SO	D-4-2	D-4-2	SW8015B	Gasoline Range Organics (C4-C12)	ND
6/18/2002	1110	6/21/2002	SO	PL-1-4	PL-1-4	SW8015B	Gasoline Range Organics (C4-C12)	ND
6/18/2002	1040	6/21/2002	SO	D-3-2	D-3-2	SW8015B	Gasoline Range Organics (C4-C12)	ND
6/18/2002	1100	6/21/2002	SO	D-1-2	D-1-2	SW8015B	Gasoline Range Organics (C4-C12)	ND
6/18/2002	1010	6/21/2002	SO	D-6-2	D-6-2	SW8015B	Gasoline Range Organics (C4-C12)	ND
6/18/2002	1150	6/21/2002	SO	PL-5-4	PL-5-4	SW8015B	Gasoline Range Organics (C4-C12)	ND
6/18/2002	1020	6/21/2002	SO	D-5-2	D-5-2	SW8015B	Gasoline Range Organics (C4-C12)	ND
6/18/2002	1210	6/21/2002	SO	CL-A-5	CL-A-5	SW7471A	Mercury	=
6/18/2002	1220	6/21/2002	SO	CL-B-5	CL-B-5	SW7471A	Mercury	=
6/18/2002	1030	6/21/2002	SO	D-4-2	D-4-2	8260+OX	Methyl-tert-butyl ether (MTBE)	ND
6/18/2002	1010	6/21/2002	SO	D-6-2	D-6-2	8260+OX	Methyl-tert-butyl ether (MTBE)	ND
6/18/2002	1100	6/21/2002	SO	D-1-2	D-1-2	8260+OX	Methyl-tert-butyl ether (MTBE)	ND
6/18/2002	1130	6/21/2002	SO	PL-3-4	PL-3-4	8260+OX	Methyl-tert-butyl ether (MTBE)	ND
6/18/2002	1000	6/21/2002	SO	D-7-2	D-7-2	8260+OX	Methyl-tert-butyl ether (MTBE)	ND
6/18/2002	1020	6/21/2002	SO	D-5-2	D-5-2	8260+OX	Methyl-tert-butyl ether (MTBE)	ND
6/18/2002	1040	6/21/2002	SO	D-3-2	D-3-2	8260+OX	Methyl-tert-butyl ether (MTBE)	ND
6/18/2002	1010	6/21/2002	SO	D-6-2	D-6-2	8260+OX	tert-Amyl methyl ether (TAME)	ND
6/18/2002	1030	6/21/2002	SO	D-4-2	D-4-2	8260+OX	tert-Amyl methyl ether (TAME)	ND

6/18/2002	1100	6/21/2002	SO	D-1-2	D-1-2	8260+OX	tert-Amyl methyl ether (TAME)	ND
6/18/2002	1130	6/21/2002	SO	PL-3-4	PL-3-4	8260+OX	tert-Amyl methyl ether (TAME)	ND
6/18/2002	1020	6/21/2002	SO	D-5-2	D-5-2	8260+OX	tert-Amyl methyl ether (TAME)	ND
6/18/2002	1000	6/21/2002	SO	D-7-2	D-7-2	8260+OX	tert-Amyl methyl ether (TAME)	ND
6/18/2002	1040	6/21/2002	SO	D-3-2	D-3-2	8260+OX	tert-Amyl methyl ether (TAME)	ND
6/18/2002	1010	6/21/2002	SO	D-6-2	D-6-2	8260+OX	tert-Butyl alcohol (TBA)	ND
6/18/2002	1040	6/21/2002	SO	D-3-2	D-3-2	8260+OX	tert-Butyl alcohol (TBA)	ND
6/18/2002	1030	6/21/2002	SO	D-4-2	D-4-2	8260+OX	tert-Butyl alcohol (TBA)	ND
6/18/2002	1020	6/21/2002	SO	D-5-2	D-5-2	8260+OX	tert-Butyl alcohol (TBA)	ND
6/18/2002	1100	6/21/2002	SO	D-1-2	D-1-2	8260+OX	tert-Butyl alcohol (TBA)	ND
6/18/2002	1130	6/21/2002	SO	PL-3-4	PL-3-4	8260+OX	tert-Butyl alcohol (TBA)	ND
6/18/2002	1000	6/21/2002	SO	D-7-2	D-7-2	8260+OX	tert-Butyl alcohol (TBA)	=
6/18/2002	1020	6/21/2002	SO	D-5-2	D-5-2	8260+OX	Xylenes	ND
6/18/2002	1040	6/21/2002	SO	D-3-2	D-3-2	8260+OX	Xylenes	ND
6/18/2002	1030	6/21/2002	SO	D-4-2	D-4-2	8260+OX	Xylenes	ND
6/18/2002	1010	6/21/2002	SO	D-6-2	D-6-2	8260+OX	Xylenes	ND
6/18/2002	1130	6/21/2002	SO	PL-3-4	PL-3-4	8260+OX	Xylenes	ND
6/18/2002	1100	6/21/2002	SO	D-1-2	D-1-2	8260+OX	Xylenes	ND
6/18/2002	1000	6/21/2002	SO	D-7-2	D-7-2	8260+OX	Xylenes	ND
6/18/2002	1030	6/21/2002	SO	D-4-2	D-4-2	8260+OX	Xylene, Isomers m & p	ND
6/18/2002	1000	6/21/2002	SO	D-7-2	D-7-2	8260+OX	Xylene, Isomers m & p	ND
6/18/2002	1040	6/21/2002	SO	D-3-2	D-3-2	8260+OX	Xylene, Isomers m & p	ND
6/18/2002	1010	6/21/2002	SO	D-6-2	D-6-2	8260+OX	Xylene, Isomers m & p	ND
6/18/2002	1130	6/21/2002	SO	PL-3-4	PL-3-4	8260+OX	Xylene, Isomers m & p	ND
6/18/2002	1100	6/21/2002	SO	D-1-2	D-1-2	8260+OX	Xylene, Isomers m & p	ND
6/18/2002	1020	6/21/2002	SO	D-5-2	D-5-2	8260+OX	Xylene, Isomers m & p	ND
6/18/2002	1000	6/21/2002	SO	D-7-2	D-7-2	8260+OX	o-Xylene	ND
6/18/2002	1040	6/21/2002	SO	D-3-2	D-3-2	8260+OX	o-Xylene	ND
6/18/2002	1100	6/21/2002	SO	D-1-2	D-1-2	8260+OX	o-Xylene	ND
6/18/2002	1020	6/21/2002	SO	D-5-2	D-5-2	8260+OX	o-Xylene	ND
6/18/2002	1010	6/21/2002	SO	D-6-2	D-6-2	8260+OX	o-Xylene	ND
6/18/2002	1030	6/21/2002	SO	D-4-2	D-4-2	8260+OX	o-Xylene	ND
6/18/2002	1130	6/21/2002	SO	PL-3-4	PL-3-4	8260+OX	o-Xylene	ND
6/18/2002	1200	6/22/2002	SO	PL-6-4	PL-6-4	SW8015B	Gasoline Range Organics (C4-C12)	ND
6/18/2002	0950	6/23/2002	SO	D-8-2	D-8-2	SW8015B	Gasoline Range Organics (C4-C12)	=
6/18/2002	1000	6/23/2002	SO	D-7-2	D-7-2	SW8015B	Gasoline Range Organics (C4-C12)	=
6/18/2002	1210	6/24/2002	SO	CL-A-5	CL-A-5	SW6010B	Silver	ND
6/18/2002	1220	6/24/2002	SO	CL-B-5	CL-B-5	SW6010B	Silver	ND
6/18/2002	1210	6/24/2002	SO	CL-A-5	CL-A-5	SW6010B	Arsenic	=
6/18/2002	1220	6/24/2002	SO	CL-B-5	CL-B-5	SW6010B	Arsenic	ND
6/18/2002	1210	6/24/2002	SO	CL-A-5	CL-A-5	SW6010B	Barium	=
6/18/2002	1220	6/24/2002	SO	CL-B-5	CL-B-5	SW6010B	Barium	=
6/18/2002	1220	6/24/2002	SO	CL-B-5	CL-B-5	SW6010B	Beryllium	=
6/18/2002	1210	6/24/2002	SO	CL-A-5	CL-A-5	SW6010B	Beryllium	=
6/18/2002	1220	6/24/2002	SO	CL-B-5	CL-B-5	SW6010B	Cadmium	ND
6/18/2002	1210	6/24/2002	SO	CL-A-5	CL-A-5	SW6010B	Cadmium	=
6/18/2002	1220	6/24/2002	SO	CL-B-5	CL-B-5	SW6010B	Cobalt	=
6/18/2002	1210	6/24/2002	SO	CL-A-5	CL-A-5	SW6010B	Cobalt	=
6/18/2002	1210	6/24/2002	SO	CL-A-5	CL-A-5	SW6010B	Chromium	=
6/18/2002	1220	6/24/2002	SO	CL-B-5	CL-B-5	SW6010B	Chromium	=
6/18/2002	1220	6/24/2002	SO	CL-B-5	CL-B-5	SW6010B	Copper	=
6/18/2002	1210	6/24/2002	SO	CL-A-5	CL-A-5	SW6010B	Copper	=
6/18/2002	1140	6/24/2002	SO	PL-4-4	PL-4-4	SW8015B	Gasoline Range Organics (C4-C12)	ND
6/18/2002	1050	6/24/2002	SO	D-2-2	D-2-2	SW8015B	Gasoline Range Organics (C4-C12)	ND
6/18/2002	1130	6/24/2002	SO	PL-3-4	PL-3-4	SW8015B	Gasoline Range Organics (C4-C12)	ND
6/18/2002	1120	6/24/2002	SO	PL-2-4	PL-2-4	SW8015B	Gasoline Range Organics (C4-C12)	ND
6/18/2002	1210	6/24/2002	SO	CL-A-5	CL-A-5	SW6010B	Molybdenum	ND

6/18/2002	1220	6/24/2002	SO	CL-B-5	CL-B-5	SW6010B	Molybdenum	ND
6/18/2002	1220	6/24/2002	SO	CL-B-5	CL-B-5	SW6010B	Nickel	=
6/18/2002	1210	6/24/2002	SO	CL-A-5	CL-A-5	SW6010B	Nickel	=
6/18/2002	1210	6/24/2002	SO	CL-A-5	CL-A-5	SW6010B	Lead	=
6/18/2002	1220	6/24/2002	SO	CL-B-5	CL-B-5	SW6010B	Lead	=
6/18/2002	1220	6/24/2002	SO	CL-B-5	CL-B-5	SW6010B	Antimony	ND
6/18/2002	1210	6/24/2002	SO	CL-A-5	CL-A-5	SW6010B	Antimony	ND
6/18/2002	1220	6/24/2002	SO	CL-B-5	CL-B-5	SW6010B	Selenium	ND
6/18/2002	1210	6/24/2002	SO	CL-A-5	CL-A-5	SW6010B	Selenium	ND
6/18/2002	1220	6/24/2002	SO	CL-B-5	CL-B-5	SW6010B	Thallium	ND
6/18/2002	1210	6/24/2002	SO	CL-A-5	CL-A-5	SW6010B	Thallium	ND
6/18/2002	1220	6/24/2002	SO	CL-B-5	CL-B-5	SW6010B	Vanadium	=
6/18/2002	1210	6/24/2002	SO	CL-A-5	CL-A-5	SW6010B	Vanadium	=
6/18/2002	1220	6/24/2002	SO	CL-B-5	CL-B-5	SW6010B	Zinc	=
6/18/2002	1210	6/24/2002	SO	CL-A-5	CL-A-5	SW6010B	Zinc	=
6/20/2002	1225	6/22/2002	SO	T2-A-17	T2-A-17	8260+OX	Benzene	=
6/20/2002	1220	6/22/2002	SO	T1-A-17	T1-A-17	8260+OX	Benzene	ND
6/20/2002	1220	6/22/2002	SO	T1-A-17	T1-A-17	8260+OX	Toluene	ND
6/20/2002	1225	6/22/2002	SO	T2-A-17	T2-A-17	8260+OX	Toluene	=
6/20/2002	1225	6/22/2002	SO	T2-A-17	T2-A-17	8260+OX	Di-isopropyl ether (DIPE)	ND
6/20/2002	1220	6/22/2002	SO	T1-A-17	T1-A-17	8260+OX	Di-isopropyl ether (DIPE)	ND
6/20/2002	1220	6/22/2002	SO	T1-A-17	T1-A-17	8260+OX	Ethylbenzene	ND
6/20/2002	1220	6/22/2002	SO	T1-A-17	T1-A-17	8260+OX	Ethyl tert-butyl ether (ETBE)	ND
6/20/2002	1225	6/22/2002	SO	T2-A-17	T2-A-17	8260+OX	Ethyl tert-butyl ether (ETBE)	ND
6/20/2002	1225	6/22/2002	SO	T2-A-17	T2-A-17	8260+OX	Methyl-tert-butyl ether (MTBE)	ND
6/20/2002	1220	6/22/2002	SO	T1-A-17	T1-A-17	8260+OX	Methyl-tert-butyl ether (MTBE)	ND
6/20/2002	1220	6/22/2002	SO	T1-A-17	T1-A-17	8260+OX	tert-Amyl methyl ether (TAME)	ND
6/20/2002	1225	6/22/2002	SO	T2-A-17	T2-A-17	8260+OX	tert-Amyl methyl ether (TAME)	ND
6/20/2002	1220	6/22/2002	SO	T1-A-17	T1-A-17	8260+OX	tert-Butyl alcohol (TBA)	ND
6/20/2002	1225	6/22/2002	SO	T2-A-17	T2-A-17	8260+OX	tert-Butyl alcohol (TBA)	ND
6/20/2002	1220	6/22/2002	SO	T1-A-17	T1-A-17	8260+OX	Xylenes	=
6/20/2002	1220	6/22/2002	SO	T1-A-17	T1-A-17	8260+OX	Xylene, Isomers m & p	=
6/20/2002	1220	6/22/2002	SO	T1-A-17	T1-A-17	8260+OX	o-Xylene	ND
6/20/2002	1245	6/23/2002	SO	H-1-10	H-1-10	SW8260B	Bromodichloromethane	ND
6/20/2002	1245	6/23/2002	SO	H-1-10	H-1-10	SW8260B	Bromobenzene	ND
6/20/2002	1245	6/23/2002	SO	H-1-10	H-1-10	SW8260B	Bromochloromethane	ND
6/20/2002	1245	6/23/2002	SO	H-1-10	H-1-10	SW8260B	Bromomethane	ND
6/20/2002	1245	6/23/2002	SO	H-1-10	H-1-10	SW8260B	n-Butylbenzene	ND
6/20/2002	1245	6/23/2002	SO	H-1-10	H-1-10	SW8260B	sec-Butylbenzene	ND
6/20/2002	1245	6/23/2002	SO	H-1-10	H-1-10	SW8260B	tert-Butylbenzene	ND
6/20/2002	1215	6/23/2002	SO	T2-B-17	T2-B-17	8260+OX	Benzene	=
6/20/2002	1245	6/23/2002	SO	H-1-10	H-1-10	SW8260B	Benzene	ND
6/20/2002	1245	6/23/2002	SO	H-1-10	H-1-10	SW8260B	Toluene	ND
6/20/2002	1245	6/23/2002	SO	H-1-10	H-1-10	SW8260B	Chlorobenzene	ND
6/20/2002	1245	6/23/2002	SO	H-1-10	H-1-10	SW8260B	2-Chlorotoluene	ND
6/20/2002	1245	6/23/2002	SO	H-1-10	H-1-10	SW8260B	4-Chlorotoluene	ND
6/20/2002	1245	6/23/2002	SO	H-1-10	H-1-10	SW8260B	Chloroethane	ND
6/20/2002	1245	6/23/2002	SO	H-1-10	H-1-10	SW8260B	Chloromethane	ND
6/20/2002	1245	6/23/2002	SO	H-1-10	H-1-10	SW8260B	Carbon tetrachloride	ND
6/20/2002	1245	6/23/2002	SO	H-1-10	H-1-10	SW8260B	4-Isopropyltoluene	ND
6/20/2002	1245	6/23/2002	SO	H-1-10	H-1-10	SW8260B	Dibromochloromethane	ND
6/20/2002	1245	6/23/2002	SO	H-1-10	H-1-10	SW8260B	1,2-Dibromo-3-chloropropane	ND
6/20/2002	1245	6/23/2002	SO	H-1-10	H-1-10	SW8260B	Dibromomethane	ND
6/20/2002	1245	6/23/2002	SO	H-1-10	H-1-10	SW8260B	1,1-Dichloroethane	ND
6/20/2002	1245	6/23/2002	SO	H-1-10	H-1-10	SW8260B	1,2-Dichloroethane	ND
6/20/2002	1245	6/23/2002	SO	H-1-10	H-1-10	SW8260B	1,2-Dichlorobenzene	ND
6/20/2002	1245	6/23/2002	SO	H-1-10	H-1-10	SW8260B	1,3-Dichlorobenzene	ND

6/20/2002	1245	6/23/2002	SO	H-1-10	H-1-10	SW8260B	1,4-Dichlorobenzene	ND
6/20/2002	1245	6/23/2002	SO	H-1-10	H-1-10	SW8260B	1,1-Dichloroethene	ND
6/20/2002	1245	6/23/2002	SO	H-1-10	H-1-10	SW8260B	cis-1,2-Dichloroethene	ND
6/20/2002	1245	6/23/2002	SO	H-1-10	H-1-10	SW8260B	trans-1,2-Dichloroethene	ND
6/20/2002	1245	6/23/2002	SO	H-1-10	H-1-10	SW8260B	1,1-Dichloropropene	ND
6/20/2002	1245	6/23/2002	SO	H-1-10	H-1-10	SW8260B	cis-1,3-Dichloropropene	ND
6/20/2002	1245	6/23/2002	SO	H-1-10	H-1-10	SW8260B	trans-1,3-Dichloropropene	ND
6/20/2002	1245	6/23/2002	SO	H-1-10	H-1-10	SW8260B	1,2-Dichloropropane	ND
6/20/2002	1245	6/23/2002	SO	H-1-10	H-1-10	SW8260B	1,3-Dichloropropane	ND
6/20/2002	1245	6/23/2002	SO	H-1-10	H-1-10	SW8260B	2,2-Dichloropropane	ND
6/20/2002	1215	6/23/2002	SO	T2-B-17	T2-B-17	8260+OX	Di-isopropyl ether (DIPE)	ND
6/20/2002	1245	6/23/2002	SO	H-1-10	H-1-10	SW8260B	Ethylbenzene	ND
6/20/2002	1245	6/23/2002	SO	H-1-10	H-1-10	SW8260B	1,2-Dibromoethane	ND
6/20/2002	1215	6/23/2002	SO	T2-B-17	T2-B-17	8260+OX	Ethyl tert-butyl ether (ETBE)	ND
6/20/2002	1245	6/23/2002	SO	H-1-10	H-1-10	SW8260B	Trichlorofluoromethane	ND
6/20/2002	1245	6/23/2002	SO	H-1-10	H-1-10	SW8260B	Dichlorodifluoromethane	ND
6/20/2002	1245	6/23/2002	SO	H-1-10	H-1-10	SW8260B	Hexachlorobutadiene	ND
6/20/2002	1245	6/23/2002	SO	H-1-10	H-1-10	SW8260B	Isopropylbenzene	ND
6/20/2002	1215	6/23/2002	SO	T2-B-17	T2-B-17	8260+OX	Methyl-tert-butyl ether (MTBE)	ND
6/20/2002	1245	6/23/2002	SO	H-1-10	H-1-10	SW8260B	Methylene chloride	ND
6/20/2002	1245	6/23/2002	SO	H-1-10	H-1-10	SW8260B	Naphthalene	ND
6/20/2002	1245	6/23/2002	SO	H-1-10	H-1-10	SW8260B	n-Propylbenzene	ND
6/20/2002	1245	6/23/2002	SO	H-1-10	H-1-10	SW8260B	1,1,2,2-Tetrachloroethane	ND
6/20/2002	1245	6/23/2002	SO	H-1-10	H-1-10	SW8260B	Tetrachloroethene (PCE)	ND
6/20/2002	1245	6/23/2002	SO	H-1-10	H-1-10	SW8260B	Styrene	ND
6/20/2002	1215	6/23/2002	SO	T2-B-17	T2-B-17	8260+OX	tert-Amyl methyl ether (TAME)	ND
6/20/2002	1215	6/23/2002	SO	T2-B-17	T2-B-17	8260+OX	tert-Butyl alcohol (TBA)	ND
6/20/2002	1245	6/23/2002	SO	H-1-10	H-1-10	SW8260B	Bromoform	ND
6/20/2002	1245	6/23/2002	SO	H-1-10	H-1-10	SW8260B	1,1,1,2-Tetrachloroethane	ND
6/20/2002	1245	6/23/2002	SO	H-1-10	H-1-10	SW8260B	1,1,1-Trichloroethane	ND
6/20/2002	1245	6/23/2002	SO	H-1-10	H-1-10	SW8260B	1,1,2-Trichloroethane	ND
6/20/2002	1245	6/23/2002	SO	H-1-10	H-1-10	SW8260B	1,2,3-Trichlorobenzene	ND
6/20/2002	1245	6/23/2002	SO	H-1-10	H-1-10	SW8260B	1,2,4-Trichlorobenzene	ND
6/20/2002	1245	6/23/2002	SO	H-1-10	H-1-10	SW8260B	Trichloroethene (TCE)	ND
6/20/2002	1245	6/23/2002	SO	H-1-10	H-1-10	SW8260B	Chloroform	ND
6/20/2002	1245	6/23/2002	SO	H-1-10	H-1-10	SW8260B	1,2,3-Trichloropropane	ND
6/20/2002	1245	6/23/2002	SO	H-1-10	H-1-10	SW8260B	1,2,4-Trimethylbenzene	ND
6/20/2002	1245	6/23/2002	SO	H-1-10	H-1-10	SW8260B	1,3,5-Trimethylbenzene	ND
6/20/2002	1245	6/23/2002	SO	H-1-10	H-1-10	SW8260B	Vinyl chloride	ND
6/20/2002	1245	6/23/2002	SO	H-1-10	H-1-10	SW8260B	Xylene, Isomers m & p	ND
6/20/2002	1245	6/23/2002	SO	H-1-10	H-1-10	SW8260B	o-Xylene	ND
6/20/2002	1225	6/24/2002	SO	T2-A-17	T2-A-17	SW8015B	Gasoline Range Organics (C4-C12)	ND
6/20/2002	1210	6/25/2002	SO	T1-B-17	T1-B-17	8260+OX	Benzene	=
6/20/2002	1210	6/25/2002	SO	T1-B-17	T1-B-17	8260+OX	Toluene	=
6/20/2002	1210	6/25/2002	SO	T1-B-17	T1-B-17	8260+OX	Di-isopropyl ether (DIPE)	ND
6/20/2002	1210	6/25/2002	SO	T1-B-17	T1-B-17	8260+OX	Ethylbenzene	=
6/20/2002	1210	6/25/2002	SO	T1-B-17	T1-B-17	8260+OX	Ethyl tert-butyl ether (ETBE)	ND
6/20/2002	1235	6/25/2002	SO	T3-A-17	T3-A-17	SW8015B	Gasoline Range Organics (C4-C12)	=
6/20/2002	1230	6/25/2002	SO	T3-B-17	T3-B-17	SW8015B	Gasoline Range Organics (C4-C12)	=
6/20/2002	1215	6/25/2002	SO	T2-B-17	T2-B-17	SW8015B	Gasoline Range Organics (C4-C12)	=
6/20/2002	1210	6/25/2002	SO	T1-B-17	T1-B-17	SW8015B	Gasoline Range Organics (C4-C12)	=
6/20/2002	1210	6/25/2002	SO	T1-B-17	T1-B-17	8260+OX	Methyl-tert-butyl ether (MTBE)	ND
6/20/2002	1210	6/25/2002	SO	T1-B-17	T1-B-17	8260+OX	tert-Amyl methyl ether (TAME)	ND
6/20/2002	1210	6/25/2002	SO	T1-B-17	T1-B-17	8260+OX	tert-Butyl alcohol (TBA)	ND
6/20/2002	1245	6/25/2002	SO	H-1-10	H-1-10	E418.1	Petroleum Hydrocarbons, Total Recoverable	=
6/20/2002	1245	6/26/2002	SO	H-1-10	H-1-10	SW6010B	Silver	ND
6/20/2002	1245	6/26/2002	SO	H-1-10	H-1-10	SW6010B	Arsenic	ND

6/20/2002	1245	6/26/2002	SO	H-1-10	H-1-10	SW6010B	Barium	=
6/20/2002	1245	6/26/2002	SO	H-1-10	H-1-10	SW6010B	Beryllium	ND
6/20/2002	1230	6/26/2002	SO	T3-B-17	T3-B-17	8260+OX	Benzene	ND
6/20/2002	1235	6/26/2002	SO	T3-A-17	T3-A-17	8260+OX	Benzene	ND
6/20/2002	1235	6/26/2002	SO	T3-A-17	T3-A-17	8260+OX	Toluene	ND
6/20/2002	1230	6/26/2002	SO	T3-B-17	T3-B-17	8260+OX	Toluene	=
6/20/2002	1245	6/26/2002	SO	H-1-10	H-1-10	SW6010B	Cadmium	ND
6/20/2002	1245	6/26/2002	SO	H-1-10	H-1-10	SW6010B	Cobalt	=
6/20/2002	1245	6/26/2002	SO	H-1-10	H-1-10	SW6010B	Chromium	=
6/20/2002	1245	6/26/2002	SO	H-1-10	H-1-10	SW6010B	Copper	=
6/20/2002	1230	6/26/2002	SO	T3-B-17	T3-B-17	8260+OX	Di-isopropyl ether (DIPE)	ND
6/20/2002	1235	6/26/2002	SO	T3-A-17	T3-A-17	8260+OX	Di-isopropyl ether (DIPE)	ND
6/20/2002	1235	6/26/2002	SO	T3-A-17	T3-A-17	8260+OX	Ethylbenzene	=
6/20/2002	1230	6/26/2002	SO	T3-B-17	T3-B-17	8260+OX	Ethylbenzene	=
6/20/2002	1235	6/26/2002	SO	T3-A-17	T3-A-17	8260+OX	Ethyl tert-butyl ether (ETBE)	ND
6/20/2002	1230	6/26/2002	SO	T3-B-17	T3-B-17	8260+OX	Ethyl tert-butyl ether (ETBE)	ND
6/20/2002	1220	6/26/2002	SO	T1-A-17	T1-A-17	SW8015B	Gasoline Range Organics (C4-C12)	=
6/20/2002	1245	6/26/2002	SO	H-1-10	H-1-10	SW7471A	Mercury	=
6/20/2002	1245	6/26/2002	SO	H-1-10	H-1-10	SW6010B	Molybdenum	ND
6/20/2002	1235	6/26/2002	SO	T3-A-17	T3-A-17	8260+OX	Methyl-tert-butyl ether (MTBE)	ND
6/20/2002	1230	6/26/2002	SO	T3-B-17	T3-B-17	8260+OX	Methyl-tert-butyl ether (MTBE)	ND
6/20/2002	1245	6/26/2002	SO	H-1-10	H-1-10	SW6010B	Nickel	=
6/20/2002	1245	6/26/2002	SO	H-1-10	H-1-10	SW6010B	Lead	=
6/20/2002	1245	6/26/2002	SO	H-1-10	H-1-10	SW6010B	Antimony	ND
6/20/2002	1245	6/26/2002	SO	H-1-10	H-1-10	SW6010B	Selenium	ND
6/20/2002	1235	6/26/2002	SO	T3-A-17	T3-A-17	8260+OX	tert-Amyl methyl ether (TAME)	ND
6/20/2002	1230	6/26/2002	SO	T3-B-17	T3-B-17	8260+OX	tert-Amyl methyl ether (TAME)	ND
6/20/2002	1230	6/26/2002	SO	T3-B-17	T3-B-17	8260+OX	tert-Butyl alcohol (TBA)	ND
6/20/2002	1235	6/26/2002	SO	T3-A-17	T3-A-17	8260+OX	tert-Butyl alcohol (TBA)	ND
6/20/2002	1245	6/26/2002	SO	H-1-10	H-1-10	SW6010B	Thallium	ND
6/20/2002	1245	6/26/2002	SO	H-1-10	H-1-10	SW6010B	Vanadium	=
6/20/2002	1210	6/26/2002	SO	T1-B-17	T1-B-17	8260+OX	Xylenes	=
6/20/2002	1230	6/26/2002	SO	T3-B-17	T3-B-17	8260+OX	Xylenes	=
6/20/2002	1235	6/26/2002	SO	T3-A-17	T3-A-17	8260+OX	Xylenes	=
6/20/2002	1235	6/26/2002	SO	T3-A-17	T3-A-17	8260+OX	Xylene, Isomers m & p	=
6/20/2002	1230	6/26/2002	SO	T3-B-17	T3-B-17	8260+OX	Xylene, Isomers m & p	=
6/20/2002	1210	6/26/2002	SO	T1-B-17	T1-B-17	8260+OX	Xylene, Isomers m & p	=
6/20/2002	1235	6/26/2002	SO	T3-A-17	T3-A-17	8260+OX	o-Xylene	=
6/20/2002	1210	6/26/2002	SO	T1-B-17	T1-B-17	8260+OX	o-Xylene	=
6/20/2002	1230	6/26/2002	SO	T3-B-17	T3-B-17	8260+OX	o-Xylene	=
6/20/2002	1245	6/26/2002	SO	H-1-10	H-1-10	SW6010B	Zinc	=
6/20/2002	1215	6/28/2002	SO	T2-B-17	T2-B-17	8260+OX	Toluene	ND
6/20/2002	1225	6/28/2002	SO	T2-A-17	T2-A-17	8260+OX	Ethylbenzene	=
6/20/2002	1215	6/28/2002	SO	T2-B-17	T2-B-17	8260+OX	Ethylbenzene	=
6/20/2002	1215	6/28/2002	SO	T2-B-17	T2-B-17	8260+OX	Xylenes	=
6/20/2002	1225	6/28/2002	SO	T2-A-17	T2-A-17	8260+OX	Xylenes	=
6/20/2002	1225	6/28/2002	SO	T2-A-17	T2-A-17	8260+OX	Xylene, Isomers m & p	=
6/20/2002	1215	6/28/2002	SO	T2-B-17	T2-B-17	8260+OX	Xylene, Isomers m & p	=
6/20/2002	1215	6/28/2002	SO	T2-B-17	T2-B-17	8260+OX	o-Xylene	=
6/20/2002	1225	6/28/2002	SO	T2-A-17	T2-A-17	8260+OX	o-Xylene	=

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- Off-Site Regulatory Records



FIRE DEPARTMENT

October 9, 2009

#988

Southern California Public Radio
c/o Hazard Management Consulting Inc.
211 West Avenida Cordoba
San Clemente, CA 92672
ATTN: Mark Cousineau

Subject: Underground Storage Tank Closure Activities at Southern California Public Radio, 474 S. Raymond Ave., in Pasadena, California

Dear Mr. Cousineau:

This letter confirms the completion of a closure project for the underground storage tank(s) formerly located at the above described location. Thank you for your cooperation throughout this investigation. Your willingness and promptness is greatly appreciated.

Based upon information in the above referenced file and with the provision that the information provided to this agency was accurate and representative of site conditions, no further action to the underground tank removal is required.

Additionally, while no further action is required at this time, this letter should not be viewed as a guarantee that the property is contamination-free and/or can be used without restriction. Each project proposed for this site should be evaluated to ensure that the specific project will not impact the health of workers at the site, off-site members of the community, water quality, or have other environmental impacts.

Please contact our office if you have any questions regarding this manner.

Sincerely,

Kim Nguyen
Hazardous Materials Inspector



988

F I R E D E P A R T M E N T

September 9, 2009

Southern California Public Radio
c/o Hazard Management Consulting Inc.
211 West Avenida Cordoba
San Clemente, CA 92672
ATTN: Mark Cousineau

Subject: Underground Storage Tank Closure Activities at Southern California Public Radio, 474 S. Raymond Ave., in Pasadena, California

Dear Mr. Cousineau:

This letter contains some important clarifications that you should consider in addition to the accompanying "closure" or "no further action" letter. These letters should always be filed and reviewed together in order to accurately reflect the status of this property.

The "no further action" letter indicates that you have complied with the regulatory requirements for site investigation and/or site remediation at this site, at this time. It does not indicate that the site is free from contamination. In fact, contamination is present at the site. The contamination, as it currently exists, is below the level of regulatory concern. However, if the site is excavated or subsurface work is conducted, excavated materials may be regulated and site workers may require protective equipment.

Additionally, while no further action is required relating to the contamination at this time, neither this letter nor the accompanying letter should be viewed as a guarantee that the property can be used without restriction. Each project proposed for this site should be evaluated to ensure that the specific project will not impact the health of workers at the site, off-site members of the community, water quality, or have other environmental impacts.

To restate, this letter is provided to merely clarify some issues not fully addressed in the accompanying "no further action" letter. This letter does not change the determination that no further action is required at this site, at this time.

If you have any questions, please contact this office at (626) 744-4115.

Sincerely,

Kim Nguyen
Hazardous Materials Inspector

City of Pasadena

175 NORTH MARENGO AVENUE
PASADENA, CALIFORNIA 91101

MARK & JANE NATHANSON
C/O T. DAVID QUARLES
199 S. LOS ROBLES, SUITE 670
PASADENA, CA 91101



FIRE DEPARTMENT
FIRE AND ENVIRONMENTAL
CONTROL DIVISION

In reply please refer
to file: 11899 LACO

**HAZARDOUS MATERIALS UNDERGROUND STORAGE
SITE ASSESSMENT/REMEDIAL ACTION PLAN
FACILITY LOCATION: 474 SOUTH RAYMOND AVENUE**

This office has reviewed the soil/groundwater assessment report submitted on 3/15/90 required as a part of the subject site assessment/remedial action plan. Based on the information submitted, we find that:

- ☐ The use of excavated soils is unrestricted. The site assessment/remedial action is final and no further action is required at this time.
- ☐ Excavated soils may be a hazardous waste and are not suitable for fill material or disposal on site. Contaminated soils must be manifested, transported and disposed of pursuant to Chapter 6.5, California Health and Safety Code, unless evidence is presented indicating that disposal is proper at a less restricted facility. Copies of completed manifests or other appropriate evidence indicating legal disposal must be submitted to this office before this project can be considered closed.
- ☐ The site assessment/remedial action is final and no further action is required at this time.
- ☒ Closure Permit No. 5298 is final and no further action is required at this time.
- ☐ Other _____

This letter is not intended and shall not be interpreted to indicate that this site is totally free from contamination, or that the site is appropriate for any intended future use.

Any questions regarding this matter should be directed to Byron Brown at the Pasadena Fire Department, Hazardous Materials Section, 175 North Marengo Avenue, Pasadena, CA 91101, (818) 405-4115.

KAYA K. PEKEROL
Fire Chief


Byron Brown
Underground Storage Tank Unit

- City Directories

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES



CITY DIRECTORY

Project Property: 465,491,503,525 & 577 South Arroyo Parkway
465
Pasadena, CA 91105
Project No: 136895.19R000-001.135
Requested By: EMG, Inc
Order No: 20190215102
Date Completed: February 19, 2019

February 19, 2019
RE: CITY DIRECTORY RESEARCH
465,491,503,525 & 577 South Arroyo Parkway
465 Pasadena, CA

Thank you for contacting ERIS for an City Directory Search for the site described above. Our staff has conducted a reverse listing City Directory search to determine prior occupants of the subject site and adjacent properties. We have provided the nearest addresses(s) when adjacent addresses are not listed. If we have searched a range of addresses, all addresses in that range found in the Directory are included.

Note: Reverse Listing Directories generally are focused on more highly developed areas. Newly developed areas may be covered in the more recent years, but the older directories will tend to cover only the "central" parts of the city. To complete the search, we have either utilized the ACPL, Library of Congress, State Archives, and/or a regional library or history center as well as multiple digitized directories. These do not claim to be a complete collection of all reverse listing city directories produced.

ERIS has made every effort to provide accurate and complete information but shall not be held liable for missing, incomplete or inaccurate information. To complete this search we used the general range(s) below to search for relevant findings. If you believe there are additional addresses or streets that require searching please contact us at 866-517-5204.

Search Criteria:

350-650 of South Arroyo Parkway

Search Results Summary

Date	Source	Comment
2018	DIGITAL BUSINESS DIRECTORY	
2012	DIGITAL BUSINESS DIRECTORY	
2005-06	HAINES	
2000-01	HAINES	
1995-96	HAINES	
1990	HAINES	
1985	HAINES	
1979	HAINES	
1975	HAINES	
1970	STREET ADDRESS DIRECTORY	
1965	STREET ADDRESS DIRECTORY	
1960	STREET ADDRESS DIRECTORY	
1955	STREET ADDRESS DIRECTORY	
1951	STREET ADDRESS DIRECTORY	
1947	STREET ADDRESS DIRECTORY	
1943	STREET ADDRESS DIRECTORY	
1940	STREET ADDRESS DIRECTORY	
1937	STREET ADDRESS DIRECTORY	
1933	STREET ADDRESS DIRECTORY	
1928	STREET ADDRESS DIRECTORY	
1924	STREET ADDRESS DIRECTORY	
1921	STREET ADDRESS DIRECTORY	

Environmental Risk Information Services

A division of Glacier Media Inc.

1.866.517.5204 | info@erisinfo.com | erisinfo.com

75 total records. *Part 1 of 2*

333 FEINMAN MICHAEL MD...PHYSICIANS
 333 HRC FERTILITY CLINIC...HEALTH SER
 333 MY LOOK SURGERY CTR...SURGICAL CE
 333 TANEJA ARVIN MD...PHYSICIANS & S
 333 TANEJA ARVIN MD...MEDICAL & SURG
 333 VAUGHAN SAMANTHA J...PHYSICIANS
 400 CHANDRA THAI RESTAURANT...FOODSCA
 400 CHANDRA THAI RESTAURANT...RESTAUR
 400 DOTS CUPCAKES...BAKERS-RETAIL
 400 GALANGA TAKE TWO...THAI FOOD
 400 GALANGA TAKE TWO...RESTAURANTS
 400 PASADENA INN...ECOMMERCE<
 400 PASADENA INN...HOTELS & MOTELS
 411 ARROYO PARKWAY SELF STORAGE...BUS
 411 ARROYO PARKWAY SELF STORAGE...STO
 432 CALIFORNIA KITCHENS ETC...KITCHEN
 432 SNYDER-DIAMOND DISCOUNT PLBG...BA
 432 SNYDER-DIAMOND DISCOUNT PLBG...PL
 432 SNYDER-DIAMOND DISCOUNT PLBG...FU
 450 LIFESTYLE OUTDOOR...MEDICAL SPAS<
 450 OUTDOOR LIFESTYLE...UNCLASSIFIED
 460 N C 2 WELLNESS...WELLNESS PROGRAM
 465 WHOLE FOODS MARKET...GROCERS-RETA
 465 WHOLE FOODS MARKET...CONVENIENCE
 474 CISCO HOME...FURNITURE-DEALERS-RE
 495 K9 LOFT...PET WASHING & GROOMING<
 496 DANCE CONSERVATORY OF PASADENA...
 501 AAA BOARD UP INC...NONCLASSIFIED
 501 E-BIOME INC...ENGINEERS-BIOMEDICA
 501 GOLD LINE PILATES...NONCLASSIFIED
 501 JENSEN CONSTRUCTION...GENERAL CON
 523 TOWN COUNTRY EVENT RENTAL...BOWL
 523 TOWN & COUNTRY EVENT RENTAL...PAR
 536 A LOCKSMITH...LOCKSMITH EQUIPMENT
 536 ARROYO CHOP HOUSE...FOODSCARRY OU
 536 ARROYO CHOP HOUSE...RESTAURANTS
 536 LA BAKE SHOP...BAKERS-RETAIL
 544 BRYAN S CLEANERS & LAUNDRY...CLEA
 544 BRYAN S CLEANERS & LAUNDRY...LAUN
 544 WARDROBE PERFECT ALL RIGHTS...NONC
 560 GRANNY S PANTRY...HEALTH & DIET F
 577 HMS...RESTAURANT MANAGEMENT
 577 HMS...CATERERS
 577 HMS...ICE
 577 HMS...RESTAURANTS
 605 ARROYO-CALIFORNIA CAR WASH...CAR
 605 ARROYO-CALIFORNIA CAR WASH...AUTO
 605 ARROYO-CALIFORNIA CAR WASH...MANU
 605 ARROYO-CALIFORNIA CAR WASH...BOAT
 610 TRADER JOE S...GROCERS-RETAIL
 610 TRADER JOE S...CONVENIENCE STORES
 621 ARROYO AUTO CTR...AUTOMOBILE REPA
 621 BEST SMOG REPAIR SHOP...AUTOMOBIL

Part 2 of 2

621 CLUTCH STOP...Automobile Repairing & S
 621 RAY S MBZ...Automobile Repairing & Ser
 633 ARROYO CLEANERS...Cleaners
 633 ARROYO DAY SPA & MASSAGE...Health Serv
 633 ARROYO SPA MASSAGE...Health Spas
 633 ARROYO SPA MASSAGE...Beauty Salons
 633 DOMINO S PIZZA...Pizza
 633 DOMINO S PIZZA...Foods-carry Out
 633 DOMINO S PIZZA...Hotels & Motels
 633 DOMINO S PIZZA...Cafes
 633 GAUCHO BOXING GYM...Martial Arts Instr
 633 HOLIDAY HAIR...Beauty Salons
 633 MY VEGAN RESTAURANT...Restaurants
 633 ROYAL DONUTS...Doughnuts
 633 SUSHI ICHI...Restaurants
 633 TROPITANA...Tanning Salons
 633 YOSHINOYA BEEF BOWL RESTAURANT...Resta
 633 YOSHINOYA BEEF BOWL RESTAURANT...Resta
 640 LUCKY BOY DRIVE-IN...Restaurants
 640 LUCKY BOY DRIVE-IN...Foodscarry Out
 665 BUDGET RENT A CAR...Automobile Renting
 665 GHK...Buses-charter & Rental

333	EVANS MICHELE L MD...Physicians & Sur
333	FEINMAN MICHAEL MD...Physicians & Sur
333	FREDERICK JANE L MD...Physicians & Su
333	HUNTINGTON REPRODUCTIVE CTR...Physicia
333	KOLB BRADFORD MD...Physicians & Surge
333	MY LOOK SURGERY CTR...Surgical Centers
333	NELSON JEFFREY R DO...Physicians & Su
333	POTTER DANIEL A MD...Physicians & Sur
333	TANEJA ARVIN MD...Physicians & Surgeo
333	TOURGEMAN DAVID E MD...Physicians & S
333	VAUGHAN SAMANTHA J...Physicians Assis
333	WILCOX JOHN G MD...Physicians & Surge
400	CHANDRA THAI RESTAURANT...Restaurants<
400	PASADENA INN...Hotels & Motels
411	ARROYO PARKWAY SELF STORAGE...Storage-
432	SNYDER-DIAMOND DISCOUNT PLBG...Bathroo
450	HOME LAUNDRY...Cleaners
450	VAN VECHTEN CLEANERS & LAUNDRY...Clean
465	WHOLE FOODS MARKET...Grocers-retail
474	CISCO HOME...Furniture-dealers-retail<
510	PARKWAY GRILL...Restaurants
536	ARROYO CHOP HOUSE...Restaurants
536	LA BAKE SHOP...Bakers-retail
541	MARGARITA JONES...Restaurants<
544	BRYAN S CLEANERS & LAUNDRY...Cleaners<
560	GRANNY S PANTRY...Health & Diet Foods-
577	DONA ROSA BAKERY TAQUERIA...Restaurant
577	HMS...Restaurant Management
577	HMS CATERING...Caterers
605	ARROYO-CALIFORNIA CAR WASH...Car Washi
605	T L & AV INC...Car Washing & Polishing
605	TENDLETON TRADING CO...Physicians & Su
610	TRADER JOE S...Grocers-retail<
621	ARROYO AUTO CTR...Automobile Repairing
621	BEST SMOG REPAIR SHOP...Automobile Smo
621	RAY S MBZ...Automobile Repairing & Ser
633	ARROYO CLEANERS...Cleaners
633	ARROYO DAY SPA & MASSAGE...Health Serv
633	DOMINO S PIZZA...Pizza
633	GAUCHO BOXING GYM...Martial Arts Instr
633	HOLIDAY HAIR...Beauty Salons
633	MY VEGAN RESTAURANT...Restaurants
633	ROYAL DONUTS...Doughnuts
633	SUSHI ICHI...Restaurants
633	TROPITANA...Tanning Salons
640	LUCKY BOY DRIVE-IN RESTAURANT...Restau
665	AVENUE CAR RENTAL...Automobile Renting
665	GHK...Buses-charter & Rental

333	★ BATZOFIN JOEL MD	626-440-9161	+5
	★ EVANS MICHELE MD	626-440-9161	+5
	★ FEINMAN MICHAEL MD	626-440-9161	+5
	★ FREDERICK JANE MD	626-440-9161	+5
	★ HUNTGTN REPRODUCTIVE CENTER	626-440-9161	+5
	★ HUNTGTN REPRODUCTIVE CENTER	626-578-1141	4
	★ KOLB BRADFORD MD	626-440-9161	+5
	★ NELSON JEFFREY DO	626-440-9161	+5
	★ POTTER DANIEL MD	626-440-9161	+5
	★ WILCOX JOHN MD	626-440-9161	+5
400	★ CHAN DRA RESTAURANT	626-577-6599	0
	★ CHANDRA THAI RESTAURANT	626-577-9571	0
	★ CHANDRA THAI RESTAURANT	626-396-9819	0
	★ PAS INN	626-795-8401	
	★ THRIFTY CAR RENTAL	818-957-0600	3
411	★ ARROYO PARKWAY SELF STORAGE	626-585-8800	0
	MARTIROSSIAN	626-449-2943	1
	Ritsime		
432	★ THOMASVILLE HOME FURNISHINGS	626-683-0200	
450	★ HOME LAUNDRY AND DRY CLEANING	626-529-0024	1
	★ HOME LAUNDRY THE	626-793-4187	1
451	★ ABSOLUTE AUTOMTV SV	626-440-9777	
	★ FRANK'S DETAIL SHOP	626-584-2532	3
455	★ DISCOUNT TIRE CENTERS PAS	626-796-3000	+5
468	XXXX	00	
474	★ COTTONWOOD ON ARROYO	626-584-1273	4
496	★ EURO CLASSIC BODY SHOP	626-793-4697	0
499	★ CORPORATE FURNITURE RESOURCES	626-795-7744	
	★ HUNTGTN DESK	626-795-7744	
510	★ PARKWAY GRILL	626-795-1001	
	★ PARKWAY GRILL	323-681-3219	
536	★ ARROYO CHOP HOUSE	626-577-7463	

541	★ MARGARITA JONES	626-744-1828	4
544	★ BRYAN'S CLEANERS & LAUNDRY	626-796-4335	
560	★ GRANNY'S PANTRY	626-796-8442	
577	★ DONA ROSA	626-449-2999	4
	★ H M S	626-440-9995	3
	★ HMS CATERING	626-440-9467	3
601	XXXX	OO	
605	★ ARROYO-CALIF CAR WASH	626-795-9368	
	★ TL & AV INC	626-397-2728	1
610	★ TRADER JOE'S PAS	626-568-9254	
621	★ ARROYO AUTO CENTER	626-449-5854	
	★ BEST TEST ONLY CENTER THE	626-568-2920	1
	★ JOHN'S AUTO	626-568-3652	6
633	★ 5 STAR VIDEO-DVD & KARAOKE	626-792-7090	
	★ ARROYO CLEANERS	626-304-1100	
	★ DOMINO'S PIZZA	626-797-3030	3
	★ GOOD TIMES PITA GRILL	626-795-5111	3
	★ HAWAIIAN BBQ FESTIVAL-S PAS	626-564-8500	+5
	★ HOLIDAY HAIR AND NAILS	626-577-1069	
	★ ROYAL DONUTS	626-795-5336	
	★ TROPITANA	626-793-3955	
640	★ LUCKY BOY DRIVE IN	626-793-0120	
665	★ PAS RENT-A-CAR INC	626-792-6481	

333	★ AMERIMED	626-683-6300	4
	★ FOUNDATION HEALTH	626-683-6300	4
367	XXXX	OO	
400	★ CHAN DRA THAI REST	626-577-6599	+0
	★ PAS INN	626-795-8401	
	★ THRIFTY CAR RENTAL	626-449-0012	
411	★ ARROYO PARKWAY SELF STORAGE	626-585-8800	+0
X	EVANSTON PL		
432	★ THOMASVILLE	626-683-0200	3
	FRNSHNG		
X	BELLEVUE DR E		
450	★ VANVECHTEN	626-795-8808	
451	★ ABSOLUTE AUTOMTY SV	626-440-9777	5
455	★ DISCOUNT TIRE CNTRS	626-796-3000	
460	★ HOME LAUNDRY & CLNRS	626-793-4187	
	★ VANVECHTEN CLEANERS & LAUNDRY	626-793-4187	9
468	XXXX	OO	
474	★ IMAGE OF INK	626-449-4800	8
	★ NATURAL INGREDIENTS	626-449-5100	8
490	★ SCHMIDT Walter	OO	9
491	★ ABSOLUTE DETAIL CENTER	626-564-2532	+0
	★ ANDERSON John	OO	9
495	XXXX	OO	
496	★ EURO CLASSIC BODY SHOP	626-793-6357	7
	★ EURO CLASSIC BODY SHOP	626-793-4897	+0
499	★ HUNTOGN BUSNS INTRS	626-795-7744	
	★ HUNTOGN DESK	626-795-7744	
501	XXXX	OO	
503	★ ANDERSON John	OO	9
510	★ ALBERTO TORRES VALET SERVICE	626-356-2198	9
	★ PARKWAY GRILL	626-795-1001	
523	★ PARKWAY ANTIQUES	626-584-5868	9
	★ PARKWAY ANTIQUES	626-584-6567	+0
525	★ ANDERSON John	OO	9
536	★ ARROYO CHOP HOUSE	626-577-7463	8
541	XXXX	OO	
544	★ BRYAN'S CLNRS & LAUNDRY	626-796-4335	4
X	PICHER ALY		

980	• GRANNYS PANTRY	626-796-8442	
X	CALIFORNIA BLVD		
	E		
800	XXXX	00	
801	XXXX	00	
808	• A ACTION AUTO	626-387-2728	+0
	DETAILING		
	• ARROYO CA CAR	626-796-8368	
	WASH		
X	PICO		
810	• TRADER JOES	626-568-8254	
821	• ARROYO AUTO	626-449-8854	8
	CENTER		
	• JOHNS AUTO	626-568-3852	8
	• THE BEST TEST ONLY	626-568-2920	+0
	CENTER		
833	• ARROYO CLEANERS	626-304-1100	
	• DOMINOS PIZZA	626-584-1976	
	• HOLIDAY HAIR AND	626-577-1089	8
	NAIJS		
	• PHILADELPHIA	626-304-8944	7
	CONNECTION THE		
	• RIO VIDEO	626-792-7090	
	• ROYAL DONUTS	626-796-5336	
	• TROPITANA	626-793-3955	
	• YOSHINOYA BEEF	626-583-8153	7
	BOWL RESTAURANT		
840	• LUCKY BOY DRIVE IN	626-793-0120	
850	XXXX	00	

333	• AMERIMED	683-6300	4
	• FOUNDATION HEALTH	683-6300	4
367	XXXX	00	
400	CHUEI Inge	796-6055	+5
	• PAS INN	795-8401	7
	• THRIFTY CAR RENTAL	449-0012	
411	• CORNET STORES	796-5123	
	• CORNET 5 10 25 STRS	681-6725	
432	• THOMASVILLE FRNSHNG	683-0200	3
450	• HOME VAN VECHTEN	793-4187	2
	• VANVECHTEN	795-9808	
451	• ABSOLUTE AUTOMTV SV	440-9777	+5
	• KRAMER MARK CONSTR	578-0578	+5
455	• DISCOUNT TIRE CNTRS	796-3000	6
460	• HOME LAUNDRY&CLNRS	793-4187	
	• VAN VECHTEN CLEANER	793-4187	9
468	XXXX	00	
474	• EMMA WEST FRAMERS	793-9539	+5
	• HAMPTON CARPETS	568-2812	+5
	• HICKMAN MEG TAX SRV	793-9586	2
	• INTL TRADE CTR LTD	795-0034	3
	• L B R INTERNATL	577-1084	+5
	• PAS CARPETS	568-2812	+5
	• PAS INTERIOR	568-2812	+5
	• ROSE CTY DECOR FBRC	568-2812	+5
491	XXXX	00	
495	• ALERT COMMNCTNS CO	795-7788	
	• CROWELL&LYONS EQUIP	792-3153	
	• HORIUCHI&ASSOCIATES	681-1231	
	• JORDAN TRADE DVLPRS	577-7520	8
	• MOSS NANCY PHD	577-1719	9
496	• CUSTOM RIMS&TIRES	796-2651	1
499	• HUNTOGN BUSNS INTRS	795-7744	4
	• HUNTOGN DESK	795-7744	
501	ANDERSON J Bruce	681-8481	1
503	XXXX	00	
510	• PARKWAY GRILL	795-1001	
523	• ROY ALDRIDGE ANTO	449-9441	3
536	XXXX	00	
541	• MANANA	796-6646	
544	• BRYANS CLNRS&LNDRY	796-4335	4
560	• GRANNYS PANTRY	796-8442	
600	XXXX	00	
601	XXXX	00	
605	• ARROYO CA CAR WASH	795-8368	
	• TENDLETON INTL CORP	795-0167	0
610	• TRADER JOES	568-8254	1
	• TRADER JOES INC S1	568-8254	
621	• AUDIO F X	356-9993	+5
	• EDDIES MRCDs BNZ SV	583-8452	+5
633	• ARROYO CLEANERS	304-1100	7
	• DOMINOS PIZZA	584-1976	7
	• FATBURGER	584-6847	+5
	• JONKERS FLORIST	793-7167	3
	• NEW JONKERS FLORIST	793-7167	3
	• RIO VIDEO	792-7090	7
	• ROYAL DONUTS	795-5336	7
	• TROPITANA	793-3955	7
	• YOGY FROZEN YOGURTS	304-9420	8
840	• LUCKY BOY DRIVE IN	793-0120	
850	XXXX	00	
855	XXXX	00	

330	*VELVET TURTLE THE	578-0422	7
367	XXXX	792-3101	
400	*PAS INN	00	
	*SUN TUNG LOK RSTRNT	795-8401	7
	*THRIFTY CAR RENTAL	584-6720	7
411	*CORNET STORES	449-0012	
	*CORNET 5 10 25 STRS	796-5123	
432	XXXX	681-6725	4
450	*VANVECHTEN	00	
455	*DISCOUNT TIRE CNTRS	795-9808	
480	*HOME LAUNDRY&CLNRS	796-3000	6
	*HOME VAN VECHTEN	793-4187	6
	*VAN VECHTEN CLEANER	793-4187	9
474	*ALL AROUND REMOOLNG	684-6800 +0	
	*HAMPTON CARPET	684-6800 +0	
	*PAS CARPET	795-4425 +0	
	*PAS INTERIORS&CRPT	795-4425 +0	
	*PAS PAINT&WLL CVRNG	795-5573 +0	
491	*RAGS TO RICHES	681-0617	
495	BUILDING		
	*A BSNSMNS ANSWR TEL	449-1711	3
	*ACE TELE SECTRHL SV	795-7594	3
	*ALERT COMMNCNS CO	577-6057 +0	
	*ALERT COMMUNICATION	795-7788	
	*ALERT TELE ANS SERV	795-7788	
	*BUSINESSMNS ANS TEL	449-1711	3
	*CLEANING BY CHESIRE	795-8400	5
	*COURTNEY SCHOOLEY	792-8411	5
	*CROWELL&LYONS EQUIP	792-3153	
	*EXECUTIVE SERVICES	793-2183	
	*GIAMO ARNOLD R	681-7780	
	*HORIUCHI&ASSOCIATES	681-1231	
	*INDSTRl RELATNS MNG	441-0327	9
	*JORDAN TRADE DVLPR	577-7520	8
	*MOSS NANCY PHD	577-1719	9
498			
496	*B F GOODRICHSEE	796-2651	
	*BERLIN TIRE CTS INC	796-2651	
499	XXXX	00	
501	*RAE MAR DEVELOPMENT	681-8481	8
503	XXXX	00	
510	*PARKWAY GRILL	795-1001	6
523	*COLONIAL ANTIQUES	449-8890	8
	*PHIL HARBAUGH ANTO	449-8441	9
	*PORTE LA GRANDE ATO	449-8441	
536	*CHUNG PAUL WANYUNG	793-7167	4
	*JONKERS FLOREST	793-7167	4
541	*MANANA	796-8646	1
544	*BRYAN CLEANRS&DYERS	796-4335	
	*BRYANS CLEANRS&DYRS	796-4335	
580	*GRANNYS PANTRY	796-8442	5
600	XXXX	00	
601	XXXX	00	
606	*ARROYO CA CAR WASH	795-8368	
	*TENDLETON INTL COMP	796-0167 +0	
610	*GALLEY MEATS	793-3983	
	*TRADER JOES	356-8088	2
621	*FAIR OARS AUTOMTY	449-8618	9
633	*ARROYO CLEANERS	304-1100	7
	*DOMINOS PIZZA	584-1878	7
	*RHO VIDEO	792-7080	7
	*ROYAL DONUTS	796-8336	7
	*TEN DOLLAR CLOTHES	584-0222	7
	*TROPICANA	793-3958	7
	*VOGT YOGURTS	304-8420	8
640	*LUCKY BOY DRIVE IN	793-0120	5
	*LUCKY BOY DRV IN 04	681-1484	
650	XXXX	00	
655			

330	VELVET TURTLE THE	00	
367	XXXX	792-3101	
400	ARROYO MOTOR INN	00	
	COMFORT INN	795-8401	
	DESAI KIRIT G	795-8401	4
	OMELET RESTAURANT	792-9851	3
	THRIFTY RENT A CAR	578-0217	4
411	CORNET STORES	449-0012	9
	CORNET 5 10 25 STRS	796-5123	
432	HOME VAN VECHTEN	681-6725	4
450	VANVECHTEN	793-4187	
455	A T W	795-9808	
	A&S TIRE SALES	796-3000	
	AMER TIRE WAREHOUSE	796-3000	
	CAPITOL GRP TIRE	796-3000	4
460	ALPHA OMEGA CONSTR	681-7006	1
474	AMER DIETARY LAB	577-2010	0
	DYNAMIC NUTRITIONAL	577-0212	3
	VEGETRATES INC	577-0212	0
491	RAGS TO RICHES	681-0617	0
495	BUILDING		
	*A BSNSMNS ANSWR TEL	449-1711	3
	*ACE TELE SECTRHL SV	795-7594	3
	*ALERT COMMUNICATION	795-7788	
	*ALERT TELE ANS SERV	795-7788	
	*ALL POINTS APPLINCE	796-8482	6
	*BUSINESSMNS ANS TEL	449-1711	3
	*BWC TV	796-4336 +5	
	*CLEANING BY CHESIRE	795-8400 +5	
	*COURTNEY PEST CNTRL	792-8411 +5	
	*CROWELL&LYONS EOP	792-3153	0
	*E Z EST POLISHES	449-1314	
	*ELLAR ENGINEERING	578-0866	7
	*EXECTYE SERVICES	793-2183	
	*FELDMAN MARVIN	681-6709	4
	*GENERAL ELECTRICAL	792-8300 +5	
	*GIAMO ARNOLD R	681-7780	9
	*HORIUCHI & ASSOC	681-1231	9
	*LINDLEYS DRAPERY SV	796-5723	7
	*PAS CASH REGISTER	796-8680	0
	*POSITIVE PEST CNTRL	793-6382	
	*SHOWER DOOR DAVE	791-3440 +5	
498			
496	GOODRICH B F CENTER	796-2651	
499	HUNTON DESK CO	795-7744	7
501	ANDERSON JOHN R	681-8481	9
503	XXXX	00	
510	PARKWAY GRILL	795-1001 +5	
523	LEWIS WROUGHT IRON	449-0308	1
536	CHUNG PAUL WANYUNG	793-7167	4
	*JONKERS FLOREST	793-7167	4
541	*MANANA	796-8646	1
544	*BRYAN CLEANRS&DYERS	796-4335	
	*BRYANS CLEANRS&DYRS	796-4335	
580	*GRANNYS PANTRY	796-8442 +5	
600	XXXX	00	
601	XXXX	00	
606	*ARROYO CA CAR WASH	795-8368	8
	*GALLEY MEATS	793-3983	
	*TRADER JOES MKTNS	356-8088	2
621	*GOLDEN STATE AUT CE	304-0173 +5	
640	*LUCKY BOY DRIVE IN	793-0120 +5	
	*LUCKY BOY DRV IN 04	681-1484	7
650	XXXX	00	
655	AJAS RENT A CAR	795-3555	

330*	WRIGHT	00
367	VELVET TURTLE	795-8401
400*	XXXX	578-0217 8
	ARROYO MOTOR INN	681-3484 8
	LOMELETTE CONTL CFE	449-0012+9
	THRIFTY RENT A CAR	281-6623+9
	THRIFTY RENT CAR	796-0131 6
	THRIFTY RENT CAR	796-0131 8
	TRAILWAYS BUS SYS	796-5123
	TRAILWAYS TRAVL CT	793-4187
411*	CORNET 5 10 25 STR	793-4187
432*	HOME DRAPERY SERV	795-9808
	HOME LAUNDRY CO THE	795-3291 8
450*	VANVECHTEN	793-5179
455*	FOTO BEVERAGE CO	793-1163 5
460*	SWITZER WM R	00
474*	WARD RITCHIE PRESS	
491	XXXX	
495.....	BUILDING	795-7788+9
	ALBRT TELEPH ANSW	796-5482 6
	ALL POINTS APPLNCE	796-8111
	ANSWER AMERICA	795-1667+9
	APPLEWHITE T H	793-4969 3
	BISHOP CO	578-0234 7
	CLINTS PEST CONTROL	793-5711 7
	COLUMBIA UPHOLSTERG	796-9985
	CONNOR JAS PAINTING	792-7186 7
	CROWELL EXCAVATN CO	793-1758 3
	DAELER NORMAN	796-1268 4
	DAVEY LANDSCAPE SVS	681-7876 4
	DIAMOND CHEMICAL CO	790-5541+9
	DURACLEAN BY LITTLE	449-1314
	E Z EST POLISHES	449-1314
	E Z EST PRODUCTS	792-1976 3
	EDWARDS REFRIGRTN SV	578-0666 7
	ELLAR ENGINEERING	793-2183
	EXECTVE SERVICES	793-2040
	FLUID SPECIALTIES	681-7700+9
	GLAIMO ARNOLD R	795-0186
	GOODWIN S L	794-0903+9
	HARNESS LEE S	681-1231+9
	HORIUCHI&ASSOC	792-3375
	INDEP FOUNTAIN SRV	795-5723 7
	LINDLEYS DRAPERY SV	684-2220 5
	MCALPINE KATHLEEN	

ARROYO PKWY S		91105 CONT
*	MOORE ROBERT L JR	796-0246+9
*	MOORE ROBT L JR CPA	796-0892 5
*	METRAFLEX CO	824-1026
*	PAC PIPE CO	792-3755 7
*	PAS SCIENTIFIC IND	795-1667+9
*	POSITIVE TRMTE CNTRL	793-8382 4
*	R E A C T RAPE HTLN	793-3395 8
*	RANDOL HOWARD L CO	793-7765
*	SPIC&SPAN JANITR SV	793-1758 3
*	TECHNOLOGICAL RSCH	796-8111 7
*	THORNTON HANCE W	796-0246+9
*	WEBER EARL	792-1105 7
*	WRIGHT W J	792-2871
495.....		796-2851
496*	GOODRICH B F TIRE	795-7744 7
499*	HUNTGTH DESK CO	681-8401+9
501*	ANDERSON JOHN R	792-7762+9
503*	MASTEN ROBT H	795-8200 5
510*	EMILYS	449-0308 8
523*	LEWIS UNIQUE IRON	733-2181 8
536*	HABIB MIKE NABIL MD	795-5043 8
541*	DUCK SOUP RESTAURNT	681-8082 8
	WESTWARD HO STK HSE	796-4335
544*	BRYAN CLNRS&DYERS	796-4335 2
	BRYANS CLEANERS&CYR	796-2442 5
560*	GRANNYS PANTRY	00
600	XXXX	792-1740
601*	ORANGE JULIUS	795-9368 6
605*	ARROYO CALIF CR WSH	793-3983
610*	GALLEY MEATS	793-3983 7
	TRADER JOES MKT PAS	681-1484 7
640*	LUCKY BOY DRV IN 04	00
650	XXXX	681-9389
	ROTHSCHILD VICTOR	449-0052 8

330*VELVET TURTLE 795-9145 4
 367*HOPPINGS FOUR DRY 792-3101 4
 400*ARROYO INN RESTRNT 792-2434
 *ARROYO MOTOR INN 795-8401
 *CONTNTL TRLWYS BUS 795-8401
 *CROWN CAR THE 796-0131 4
 *GREENWHITE CAB CO 796-9911 4
 *THRIFTY RENT A CAR 793-4359 4
 411*CORNET 5 10 25 STR 449-0012+5
 432*HOME DRAPERY SERV 796-5123
 *HOME LAUNDRY CO THE 793-4187
 450*VANVECHTEN 793-4187
 455*CIMINO DISTRIBUTING 795-9808
 460 SWITZER WM R 795-3291
 474*WARD RITCHIE PRESS 793-5179
 491*SERVISFT SFT WTR SV 793-1163+5
 *SERVISFT SFT WTR SV 793-4108 4
 495*...BUILDING 793-4108
 *ALERT TLPHN ANSWRNG 796-8111+5
 *ALGAN TV 795-2598+5
 *ALL YR RND HTNG&CND 796-4861
 *ANDERSON JOHN R 681-8481
 *ANSWER AMERICA 796-8111
 *BARRY JAS&ASSOCIATE 796-8111
 *BENRICH WTR TRTMT 790-0441+5
 *BISHOP CO 793-4969 3
 *CLINTS PST CNTRL SV 796-1226
 *COLUMBIA INTERNATNL 684-2510
 *CONNOR JAS PAINTING 796-9985
 *DAELER NORMAN 793-1758 3
 *DAVEY LANDSCAPE SVS 796-1268 4
 *DIAMOND CHEMICAL CO 681-7676 4
 *E Z EST POLISHES 449-1314
 *E Z EST PRODUCTS CO 449-1314
 *EDWARDS REFRGRTN SV 792-1976 3
 *ERWINS INTERCOM SV 796-5133 2
 *EXECUTIVE SERVICES 793-2183
 *FLUID SPECIALTIES 793-2040
 *GARCIA ALEX AGCY 795-5014 4
 *GOODWIN S L 795-0186
 *HENDERSON CHARLIE 795-6498 4
 *HOME ENTERTMT CORP 795-2598+5
 *ICE MACHINE SLSCSRV 793-9456
 *INDPNONT FOUNTN SRV 792-3375
 *JOHNSON E E CO 682-3063 3
 *LASALLE STEEL CO 681-7755 3
 *MANFS SERVICE 795-2598+5
 *MCALPINE KATHLEEN 684-2220+5
 *MCCUE ROBT L JR CPA 796-0692+5
 *METRAFLEX CO 684-1026
 *PAS ICE CO 796-7549+5
 *PASADNA CASH REG CO 795-6660 3
 *PAW MAINTENANCE CO 795-1900+5
 *PLATING FILTER MFG 793-7874 4
 *POSITIVE TRMTE CNTRL 793-6382 4
 *R B COZAO 795-2598+5
 *RANDOL HOWARD L CO 793-7765
 *REFRIGERTN CONTRCTG 793-9456
 *REGAL MORTGAGE CO 792-7322 3
 *SOLAR ALMMN AWNG CO 792-1500
 *SONNTAGS PLMBNG&HTG 796-6681
 *SPARKS TV SALESESV 796-1502+5
 *SPICESPAN JANITR SV 793-1758 3
 *SWELLOOM CO 795-4904
 *SWELLOOM DRPRY CLNR 795-4904 2
 *THORNTON HANCE CPA 796-0246+5
 *VANGUARD SCRTY SYST 794-3255 3
 *WAITE RICHARD G P HT 790-4662
 *WALKER THOS J 793-0676 2
 *WATTS&ASSOCIATES 792-7355
 *WESTRN IND CNSTRCTN 681-8486+5
 *WRIGHT W J 792-2871
 *YEARICK RAYMOND&CO 449-8776 3
 *ZENETTE C L 795-2598+5
 495*...
 496*GOODRICH B F RETAIL 796-2651
 501*APPLEWHITE THOMAS H 795-1667
 *NORTH AMERCN VN LNS 792-4117 2

..ARROYO PKWY S 91105 CONT..
 *ORANGE CST MVG&STRG 792-4117+5
 *PASA SCNTFC INDSTRS 795-1667
 510*EMILYS 795-8200+5
 536*PASADENA MDCL GROUP 793-2181 2
 541*WSTWRD HO STEAK HSE 795-5043
 544*BRYAN CLNRS&DYERS 796-4335
 *BRYANS CLEANERS&DYR 796-4335 2
 560*GRANNYS PANTRY 796-8442+5
 *QUALITY HOUSE THE 681-8985+5
 600 XXXX 00
 601*ORANGE JULIUS 792-1740
 605 XXXX 00
 610*ALARM COMPUTER SYST 684-2005 4
 *BLAZE PEN CO 449-1074 3
 *CRUMPE&CO 684-2008 2
 *GALLEY MEATS 793-3983
 *LUSCOMBE ENGINEERNG 684-2000
 *SECODE ELECTRONICS 684-2000
 *TRADER JOES MARKETS 793-3983 2
 *TRADER JOES MKT MT 793-3983+5
 *TRADER JOES MKT 51 449-8066+5
 650 XXXX 00
 655 ROTHSCILD VICTOR 681-9389
 660 XXXX 00
 686*... 00

309 Carcoa Auto Painting 449-9201
 309 Carcoa Auto Painting 796-5864
 367 Hopping's Foundry 681-8327
 367 Hopping's Foundry 792-2434
 400 Arroyo Motor Inn 795-8401
 400
 -10 Arroyo-Rent-A-Car 449-8434
 411 Cornet 5-10-25 Cent Stores .. 681-6725
 411 Cornet 5-10-25 Cent Stores .. 796-5123
 432 Home Laundry Co The 793-4187
 450 Van Vechten 795-9808
 455 Cimino Distributing Co 681-2741
 455 Cimino Distributing Co 795-3291
 460 Switzer Wm R 681-0866
 460 Switzer Wm R 793-5179
 474 Prepared Products Co Inc 681-7089
 474 Davmor Company 681-7265
 474 Prepared Products Co Inc 796-5052
 491 Servisoft Soft Water Service . 793-4108
 495 E-Z-Est Products Co Inc 449-1314
 495 Tyrolean Village Apts 681-3348
 495 Foerstel-Neal Co Inc 681-3581
 495 Thornton Hance W 681-3761
 495 Blasiar C J 681-4848

495 Alert Telephone Answering
 Service 681-6981
 495 Anderson John R 681-8481
 495 Metraflex Co 684-1026
 495 Columbia International 684-2510
 495 Automatic Icemaker Service .. 790-6144
 495 Solar Aluminum Awning Co .. 792-1500
 495 House Of Acoustics 792-1984
 495 Acme Piano Service The 792-2871
 495 Independent Fountain Service . 792-3375
 495 Western Industries 792-3575
 495 Sani-Care Building Service ... 792-3766
 495 Warwick Carpet & Upholstery
 Cleaners 792-6977
 495 Watts & Associates 792-7355
 495 California Western Exchange . 792-9740
 495 Green & White Cab Company . 793-4359
 495 Randol Howard L Co 793-7765
 495 Refrigeration Contracting &
 Maintenance 793-9456
 495 Goodwin S L 795-0186
 495 Swelldom Co 795-4904
 495 California Refrigeration Co .. 795-5073
 495 Hall Frank 795-6658
 495 Clint's Pest Control Service .. 796-1226
 495 Bianco Albert J 796-1243
 495 All Season Heating 796-4861
 495 Valley Intercom Serv 796-5133
 495 Alert Telephone Answering
 Service 796-8111
 495 Connor Jas Painting
 Contractor 796-9985
 496 Goodrich B F Co The 681-1552
 496 Goodrich B F Co The 796-2651
 501 Commercial Commodities Co
 Inc 681-3741
 501 Western Hearth Products 681-5261
 501 Dorr Bros Moving & Delivery
 Service 681-8592
 501 Rich Marshall G 792-1944
 501 Dorr Bros Moving & Delivery
 Service 792-4117
 501 Commercial Commodities Co
 Inc 793-9661
 501 Pasadena Scientific Industries 795-1667
 510 Aamco Automatic
 Transmissions 681-3014
 510 Aamco Automatic
 Transmissions 795-8041
 516 Core-O-Matic 796-7131
 536 O'Reilly P S Dr & Staff 796-2406
 541 Westward Ho Steak House ... 681-8062
 541 Westward Ho Steak House ... 795-5043
 544 Bryan's Clnrs & Dyers 796-4335
 560 Gerlach's Drive In Liquors ... 795-7321
 601 Orange Julius 792-1740
 605 Vic's Car Wash 681-3521
 605 Auto Scientists 795-8525
 605 Vic's Car Wash 795-9368
 610 Trader Joe's Market 449-8066
 610 Luscombe Engineering Co 684-2000
 610 Valve & Primer Corp 684-2565
 610 Galley Meats 793-3983
 650 Rich's Union Service 449-8069
 650 Inland Marketing Co 681-8542
 650 Inland Marketing Co 792-4734

310	HAMMOND LUMBER CO	793-5181
310	HAMMOND LUMBER CO	681-6453
367	HOPPINGS FOUNDRY	793-8106
367	HOPPINGS FOUNDRY	681-8327
400	ARROYO MOTOR HOTEL	792-2434
411	BUILDING	795-8401
411	CORNET 5-10-25 STRS	681-6725
411	CORNET 5-10-25 STRS	796-5123
432	HOME LNDRY CO	793-4187
450	VAN VECHTEN	795-9808
460	SWITZER WM R	793-5174
474	DAVMOR CO	681-7265
474	PREPARED PRODS CO INC	681-7089
474	PREPARED PRODS CO INC	796-5052
491	SERVISOFT OF PASA	793-4108
495	BUILDING	
FL 1	WELCH-CHRISTY	681-2521
495	ALERT TELPHN ANSWRNG	681-6981

495	ALERT TELPHN ANSWRNG	796-8111
495	ANDERSON J R-ENGR	681-8481
495	THOMAS-HOPKINS	681-8939
495	THORNTON H W-CPA	681-3761
496	VALLEY INTERCOM SERV	796-5133
496	GOODRICH B F CO THE	681-1552
501	GOODRICH B F CO THE	796-2651
501	COMMERCIAL COMMODITS	681-3741
501	DORR BROS MOVING-DEL	681-8592
501	DORR BROS MOVING-DEL	792-4117
501	MARICK CORP	449-1929
501	MARICK CORP	684-1661
536	PASADENA SCIENTIFIC INDUSTRIES	795-1667
536	CALIF EMERGENCY HOSP	796-2406
541	CALIF EMERGENCY HOSP	681-6637
541	WESTWARD HO STK HSE	795-5043
544	WESTWARD HO STK HSE	681-8062
560	BRYANS CLNRS	796-4335
601	GERLACHS DRV IN LIQRS	795-7321
605	MARTIN MARY	449-9345
605	PAS AUTO BODY CO	681-2191
605	PASADENA AUTO BODY	684-2166
605	PAS AUTO BODY CO INC	795-3725
605	VICS CAR WASH	681-3521
610	VICS CAR WASH	795-9368
610	LUSCOMBE ENGRNG CO	684-2000
610	NATIONAL AUTOMATION	449-5975
650	VALVE-PRIMER CORP	684-2565
650	INLAND MARKETING CO	681-8542
650	INLAND MARKETING CO	792-4734
650	INLAND MARKETING CO	793-2305
655	RAYS UNION SERVICE	793-5851
660	ROTHSCHILD V B	681-9380
660	MACHINE DYNAMICS	

309	HAMMOND LUMBER CO	MU16453
310	HAMMOND LUMBER CO	MU18327
310	HOPPING'S FOUNDRY	SY22434
367	HOPPING'S FOUNDRY	
367		MU16725
	CORNET STORES	SY34187
411	HOME LNDRY CO	SY59808
432	VAN VECHTEN	MU12093
450	ASSOC CAR LEASING	SY35179
460	SWITZER WM R	MU17265
460	DAVMOR CO	MU17089
474	PREPARED PRODS CO INC	SY65052
474	PREPARED PRODS CO INC	MU16812
474	DESTRUXOL CORP	SY32351
495	DESTRUXOL CORP	MU18592
495	DORR BROS MOVING-DEL	SY24117
501	DORR BROS MOVING-DEL	SY53553
501	RADE CORP	SY23167
501	TAVERNER - FRICKE	MU16367
501	TAVERNER - FRICKE	MU16776
501	WESTN PACKAGE PROD CO	SY54646
510	SKILLS UNLIMITED	MU16637
523	CALIF EMERGENCY HOSP	SY62406
536	CALIF EMERGENCY HOSP	SY64335
536	BRYANS CLNRS	SY57321
544	GERLACHS DRV IN LIQRS	SY33673
560	LEES AUTO UPHLSTRY	MU13521
605	VICS CAR WASH	SY59368
605	VICS CAR WASH	MU16721
605	WHEELER-FAIRCHILD INC	MU18542
610	INLAND PETROLEUM CO	SY24734
650	INLAND PETROLEUM CO	SY32305
650	INLAND PETROLEUM CO	SY61355
650	SELF SERV STN INC	MU19667
655	DIGITRAN CO THE	SY20919
660	DIGITRAN CO THE	MU16440
660	WASTE PAPER JUNK	SY31632

310	HAMMOND LUMBR CO	RY16453
310	HAMMOND LUMBR CO	SY38106
367	HOPPING'S FOUNDRY	RY18327
367	HOPPING'S FOUNDRY	SY22434
400	ARROYO INSURANCE AGCY	RY15615
400	ARROYO INSURANCE AGCY	SY55877
411	CORNET STORES	RY16725
411	BILLS COFFEE SHOP	SY29554
432	HOME LNDRY CO	SY34187
460	KNITTING MILLS	RY15462
460	WORTH YARN CO	RY19009
474	DAVMOR CO	RY17265
474	PREPARED PRODS CO INC	RY17089
474	PREPARED PRODS CO INC	SY65052
495	DESTRUXOL CORP	SY32351
495	DESTRUXOL CORP	RY16812
496	PARKWY MFG CO	RY17435
496	PARKWY MFG CO	SY28422
501	TAVERNER - FRICKE	SY23167
501	TAVERNER - FRICKE	RY16367
510	WESTN PACKAGE PROD CO	RY16776
536	INDSTRL EMRGNCY HOSP	RY16637
536	INDSTRL EMRGNCY HOSP	SY62406
544	BRYANS CLNRS	SY64335
560	CHEFS BURGER - BUN	SY29159
605	CITY LINCOLN MERCURY	RY17696
605	CITY LINCOLN MERCURY	SY55123
610	WICKLAND MFG CO	SY39169
610	WICKLAND MFG CO	RY16711
650	INLAND PETROLEUM CO	RY18542
650	INLAND PETROLEUM CO	SY32305
650	ROTARY CONCRETE DRILL	SY24734
655	POWERINE SELF SER STN	RY17927
655	POWERINE SELF SER STN	SY23453
655	SELF SERV STATN	SY51520

321 Vacant
 367 Hopping Bros foundry
 SY 2-2434
 385 Pasa Roll Form Co
 RY 1-7563
 389 Transformer Engineers ra-
 dio acces SY 6-3189
 404 Parkway Ford Sales used
 cars SY 6-6895
 411 Cornet Stores ofc & whs
 SY 6-5123
Evanston pl begins
 432 Home Laundry Co
 SY 3-4187
Bellevue intersects
 474 Davmor oil prod
 RY 1-7265
 Prepared Products Co Inc
 food prod SY 6-5052
 490-494 Standard Nut Mfg
 mach SY 2-3768
 495 Destruxol Corp insect
 powders SY 3-2351
 501 Taverner & Fricke whol
 paper SY 2-3167
 510 Galloway G W Co mechl
 engs SY 3-7393
 Western Package Prod-
 ucts Co cellophane bag
 mfrs RY 1-7349
 523 Home & Industrial Sup Co
 bldg matls SY 6-4373
 536 O'Reilly P S phys
 SY 6-2406
 Thomas W R phys
 SY 6-2406
 544 Bryan's Clnrs & Dyers
 SY 6-4335
 560 Two E E's restr SY 2-5195
California intersects
 605 City Lincoln-Mercury Co
 SY 3-4181
 610 Wickland Mfg Co aircraft
 equip SY 3-9169
Pico intersects
 650 Ad Color Photo Corp
 SY 2-4734

321△Daystron-Pac Corp
 furn mfrs
 367 Hopping Bros foundry
 387△Technical Coating Inc
 404△Sierra Lbr Products
 △Sierra Wood Products
Evanston pl begins
 432 Home Laundry Co
Bellevue intersects
 473 Vacant
 490△Holberton A G M in-
 tercommunication
 equip mfr
 494 Brophy A H
 Standard Nut Mfg
 495△Destruxol Corp in-
 secticides
 496 Williams & Boulton
 mach
 500 Goodwin J B whol fish
 501△Market Basket ofc
 510△Shellmar Products Co
 U S Dept of Agri—
 △Western Package Pro-
 ducts Co cellophane
 bag mfrs
 536△O'Reilly P S Dr and
 Staff
 544△Bryan's Clnrs & Dyers
California intersects
 610△Sierra Mfg Co sanita-
 tion sups mfr
Pico intersects
 650 Swanson L T gas sta

321 Vacant
 367△Hopping Bros foundry
 387 Vacant
 390 Vacant
 404 Vacant
 Evanston pl begins
 432△Home Laundry Co
 Bellevue intersects
 473△Rose G A used lbr
 490 Vacant
 494 Vacant
 495△Destruxol Corp insecticides
 496 Vacant
 500△Pasa Fish & Oyster Co
 501△Market Basket office
 510△Shellmar Prod Co
 cellophane prod
 536△O'Reilly P S Dr &
 Staff Hosp
 △Van Etten P G

544△Bryan's Clnrs & Dyers
 California intersects
 610-630△Sierra Mfg Co
 Pico intersects
 650△Paragon Oil Co

1940

SOURCE: STREET ADDRESS DIRECTORY

SOUTH ARROYO PARKWAY

STREET NOT LISTED

1937

SOURCE: STREET ADDRESS DIRECTORY

SOUTH ARROYO PARKWAY

STREET NOT LISTED

1933

SOURCE: STREET ADDRESS DIRECTORY

SOUTH ARROYO PARKWAY

STREET NOT LISTED

1928

SOURCE: STREET ADDRESS DIRECTORY

SOUTH ARROYO PARKWAY

STREET NOT LISTED

1924

SOURCE: STREET ADDRESS DIRECTORY

SOUTH ARROYO PARKWAY

STREET NOT LISTED

1921

SOURCE: STREET ADDRESS DIRECTORY

SOUTH ARROYO PARKWAY

STREET NOT LISTED

Appendix G: Historical Environmental Documents

Mr. Pete Kutzer
Edgewood Realty Partners, LLC
c/o The Kutzer Company
716 Mission Street
South Pasadena, California 91030

**REPORT OF LIMITED SUBSURFACE INVESTIGATION
511 SOUTH ARROYO PARKWAY
PASADENA, CALIFORNIA**

Dear Mr. Kutzer:

Date March 12, 2018

At your request, Ramboll US Corporation (Ramboll) has prepared this report to document the limited subsurface investigation conducted at 511 South Arroyo Parkway, Pasadena, California (herein referred to as the "site" or "property", Figures 1 and 2). It is Ramboll's understanding that the site is slated for redevelopment.

Ramboll
350 South Grand Avenue
Suite 2800
Los Angeles, CA 90071
USA

BACKGROUND

The property is located in a commercial area along Arroyo Parkway in Pasadena, California, which is slated for potential redevelopment including excavation to approximately 22 feet. A Phase I environmental site assessment (ESA) for the entire block including this property was recently completed EMG in January 2018. According to the EMG Phase I ESA, a "gasol" pump was identified in the southeastern corner of 511 South Arroyo Parkway based on Sanborn maps dated 1950 and 1970. "Gasol" is an abbreviated term for gasoline, which is used on Sanborn maps during this time period. A "gasol" pump generally consists of a fuel dispenser and most commonly a mechanical pump and nozzle.

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OBJECTIVE

The objective of the limited subsurface investigation was to evaluate current soil conditions in the area of the former "gasol" pump.

SCOPE OF WORK AND FINDINGS

The scope of work associated with the subsurface investigation included: 1) pre-field activities and site visit; and 2) soil sampling and analyses. A summary of the findings, data evaluation, conclusions and recommendations are presented below.

Pre-field Activities and Site Visit

As part of the pre-field activities, Ramboll performed a site visit on February 7, 2018 to confirm proposed soil sampling locations and made adjustments to proposed sampling locations as appropriate. Ramboll contracted with the appropriate

subcontractors for the planned fieldwork (utility locators, drillers, and analytical laboratory). Drilling and sampling activities were directed by Ramboll field personnel working under the supervision of a California Registered Professional Geologist.

Ramboll prepared a Site-specific Health and Safety Plan (HASP) prior to the start of work. The HASP is designed to minimize exposure of Ramboll's field personnel to potentially hazardous materials. All field personnel involved in the project conducted the field work in accordance with the HASP. Ramboll also notified Underground Service Alert (USA) 48 hours prior to the start of drilling activities to mark the locations of all major utilities in the proposed boring locations.

Soil Sampling and Analyses

On February 13, 2018, Ramboll retained Spectrum Geophysics of Chatsworth, California, a private utility locator, to conduct a geophysical survey to mark subsurface utility lines, subsurface structures, and underground obstructions during the site visit. Upon completion of the utility locating, under Ramboll oversight, Millennium Environmental, Inc. (MEI) of Anaheim, California, advanced two soil borings, designated as Borings SB-6 and SB-7¹, to a depth of approximately 20 feet below ground surface (bgs) at the locations shown on Figure 3. Prior to drilling, borings were concrete cored and hand augered to approximately five feet bgs. The initial borehole was advanced using a skid-steer-mounted direct push drilling rig; however, refusal was encountered at an approximate depth of 10 feet and this borehole was abandoned. Borings SB-6 and SB-7 were advanced using a truck mounted direct push drill rig to a total approximate depth of 20 feet.

Soil samples were collected from borings at approximate depths of 5, 10, 15, and 20 feet and submitted for chemical analysis (see below for details), and monitored for organic vapors with a photoionization detector (PID).

In accordance with USEPA Method 5035, soil samples were collected by extracting aliquots from the designated sampling sleeve using TerraCores®. Soil samples selected for other analytical methods were collected jars capped with Teflon® caps. Soil samples were analyzed for volatile organic compounds (VOCs), oxygenates and methyl-tert-butyl-ether (MTBE) by USEPA Method 8260B, total petroleum hydrocarbons (TPH)-gasoline range organics (GRO), TPH-diesel range organics (DRO), TPH-oil range organics (ORO) by USEPA Method 8015M, and lead by USEPA Method 6010. All soil samples were stored in a chilled cooler and delivered to a California state-certified laboratory under strict chain-of-custody procedures.

After the collection of soil samples, the borings were backfilled with a bentonite/cement slurry and completed to surface to match the existing surface material. Investigation derived waste consisting of soil cuttings and decontamination water were containerized in two Department of Transportation-rated 55 gallon drums and stored at a nearby site pending characterization and disposal.

Findings

During the geophysical survey, two approximately 2-inch diameter metal conduits were observed extending above ground surface in the general vicinity of the "gasol" pump (Figure 3). One conduit was located within

¹ Note that this work at this site was performed in conjunction with work on other properties, which included advancing Borings SB-1 through SB-5.

an elevated concrete pad, extended approximately three inches above the ground surface, and was backfilled with concrete. The second conduit extended approximately two inches above ground surface and was open to an approximate depth of five feet bgs. A petroleum-like odor was noted on the measuring tape used to measure the total depth of the open conduit. Finally, a subsurface metallic anomaly, suggestive of piping, was detected approximately 0.5 foot bgs and extended laterally between the two aforementioned conduits (see Figure 3).

In general, the lithology of the upper 20 feet of Borings SB-6 and SB-7 is comprised of mostly fine to coarse grain sands with silts. According to the historical environmental reports, groundwater is present in the vicinity of the site at approximately 147 feet bgs and was not encountered during this investigation. PID readings collected from soil samples ranged from 0.0 parts per million by volume (ppmv) to 3.1 ppmv at Boring SB-7 (depth of 20 feet).

Soil Analyses

A summary of analytical results are presented in Tables 1A and 1B. Complete laboratory reports are included in Attachment A and data validation is included in Attachment B. In summary:

- VOCs, TPH-GRO and TPH-DRO were not detected in soil samples.
- TPH-ORO was detected at concentrations ranging from 5.2U milligrams per kilogram (mg/kg) (Boring SB-7 at 10 feet bgs) to 6.9U mg/kg² (Boring SB-6 at 15 feet bgs). The TPH-ORO data was qualified as "U" based on the data validation (see Attachment B). The "U" qualification indicates that the analyte was analyzed for and not detected above the laboratory reporting limit. Therefore, the concentrations reported as TPH-ORO are considered non-detect.
- Lead was detected at concentrations ranging from 3.8 mg/kg at Boring SB-6 (depth of 5 and 10 feet) to 10 mg/kg at SB-7 (depth of 20 feet).

Data Evaluation

As part of the data evaluation, concentrations of lead in soil were compared to USEPA regional screening levels for chemical contaminants for residential and commercial/industrial use scenarios and background concentrations in California soils (see Table 1B). The concentrations of lead in soil are below regional screening levels for residential and commercial/industrial use scenarios and considered to be within the range of background concentrations.

CONCLUSIONS AND RECOMMENDATIONS

Ramboll understands that redevelopment plans for the site will likely include demolition of current site buildings and earthwork may include excavation to approximately 22 feet bgs for construction of the parking structure. In summary:

- No VOCs or TPH were reported in the soil samples. The concentrations of lead in soil are considered to be within the range of background conditions.
- Two metal above ground conduits were observed in the vicinity of the "gasol" pump and a petroleum-like odor was detected at the base of the conduit extending to an approximate depth of

² TPH-ORO detections were qualified as "B" by the laboratory (indicating that ORO was detected in the laboratory blank samples).

5 feet bgs. A subsurface metallic anomaly, suggestive of piping, was detected in the area between the two conduits.

Based on observations of the conduits and the subsurface metallic anomaly identified near the historic "gasol" pump described above, as a precautionary measure Ramboll recommends that the contractor takes appropriate measures prior to removing the conduits and excavating soil in that area of the site.

CLOSURE

Ramboll appreciates the opportunity to work with you on this project. If you have any questions, please contact Eddie Arslanian at 213.943.6326.

Yours sincerely,

Eddie Arslanian, PE
Principal

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earslanian@ramboll.com

Attachments

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TABLES

Table 1A. Summary of TPH in Soil Samples

511 South Arroyo Parkway
Pasadena, California

D R A F T

Location	Depth in feet bgs	Date	TPH (USEPA Method 8015B)		
			GRO (C4-C12)	DRO (C13-C23)	ORO (C24-C40)
			ug/kg	mg/kg	
SB-6-5	5	2/13/2018	<0.740	<4.9	<4.9
SB-6-10	10		<0.490	<5.0	<5.0
SB-6-15	15		<0.310	<4.9	6.9 U
SB-6-20	20		<0.340	<4.9	5.5 U
SB-7-5	5	2/13/2018	<0.320	<4.9	5.3 U
SB-7-10	10		<0.320	<5.0	5.2 U
SB-7-15	15		<0.340	<4.8	<4.8
SB-7-20	20		<0.290	<4.9	5.2 U

Notes:

TPH: total petroleum hydrocarbons

USEPA: United States Environmental Protection Agency

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

bgs: below ground surface

ug/kg: micrograms per kilogram

mg/kg: milligrams per kilogram

<Reporting Limit: analyte not detected above laboratory reporting limit

"U" qualification indicates that the analyte was analyzed for and not detected above the laboratory reporting limit. As a result, the concentrations reported as TPH-ORO are considered non-detect.

Samples were also analyzed for volatile organic compounds (VOCs) by USEPA Method 8260B. No VOC detections were reported above laboratory reporting limits. See Attachment A for laboratory analytical report.

Table 1B. Summary of Lead in Soil Samples

511 South Arroyo Parkway
Pasadena, California

DRAFT

			Lead by (USEPA Method 6010B)
Commercial/ Industrial Soil Screening Level ^{1/2}			320
Residential Soil Screening Level ^{1/2}			80
Background Concentration in California Soils ³			23.9
Location	Depth in feet bgs	Date	mg/kg
SB-6-5	5	2/13/2018	3.8
SB-6-10	10		3.8
SB-6-15	15		4.8
SB-6-20	20		9.0
SB-7-5	5	2/13/2018	4.2
SB-7-10	10		4.5
SB-7-15	15		4.5
SB-7-20	20		10

Notes:

USEPA: Environmental Protection Agency

bgs: below ground surface

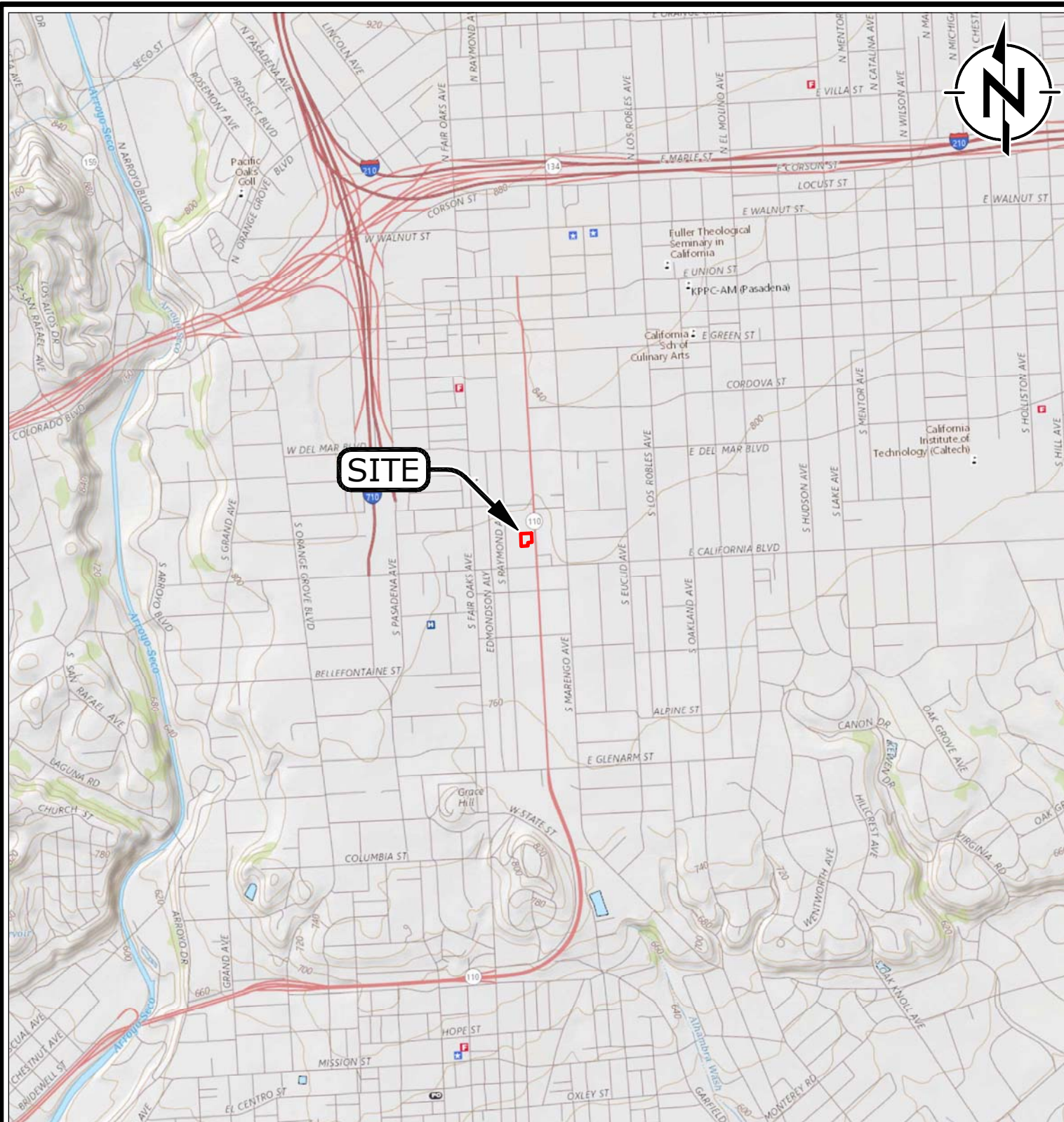
mg/kg: milligrams per kilogram

¹ Cal/EPA. 2017. Human and Ecological Risk Office (HERO) Human Health Risk Assessment (HHRA) Note Number 3, Issue: DTSC-Modified Screening Levels (DTSC-SLs). August 2017 Update.

² USEPA. 2017. Regional Screening Levels for Chemical Contaminants at Superfund Sites. November. Screening levels presented for commercial/industrial or residential soils.

³ Background Concentrations of Trace and Major Elements in California Soils. Kearney Foundation of Soil Science, University of California, from G.R. Bradford, et al. March 1996.

FIGURES

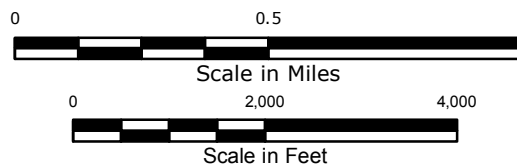


Legend

Approximate Site Boundary

NOTES:
CONTOUR INTERVAL 20 FEET

SOURCE:
The National Map, 2018.
Map Scale: 1:24,000 Spatial Reference: NAD 1983 UTM Zone 10N; Map Center: 118°8'50"W 34°8'8"N



KEY MAP



Site Vicinity Map

511 South Arroyo Parkway
Pasadena, California

DRAFT

Attorney Work Product
Privileged and Confidential

FIGURE

1


PROJECT: 1690006935

DRAFTED BY: J. Dishon

DATE: 3/8/2018



Legend

 Approximate Site Boundary



0 40
SCALE IN FEET

RAMBOLL

Site Layout

511 South Arroyo Parkway
Pasadena, California

FIGURE
2

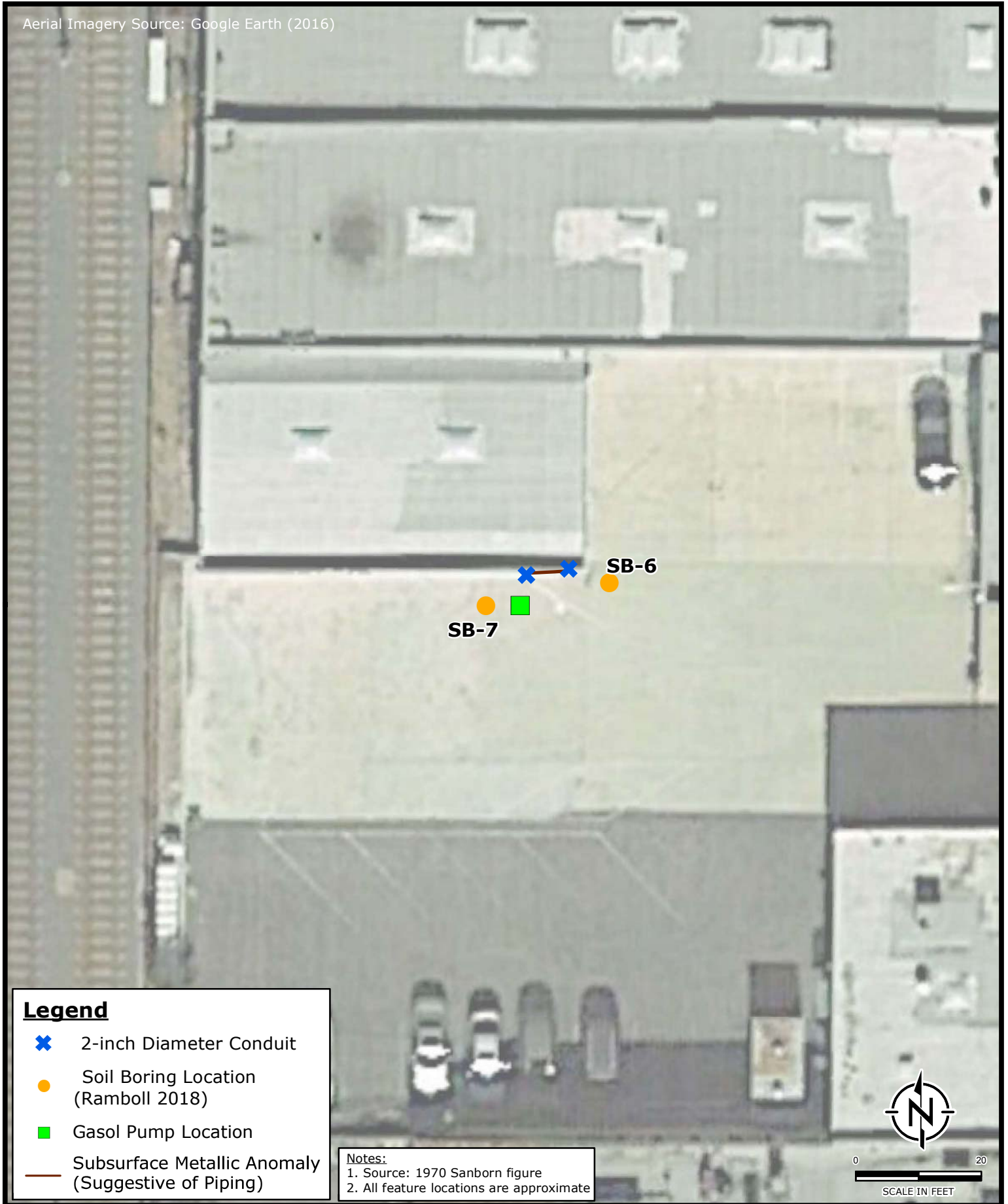
DRAFTED BY: J. Dishon

DATE: 3/8/2018

DRAFT

Attorney Work Product
Privileged and Confidential

PROJECT: 1690006935



Soil Boring Locations

511 South Arroyo Parkway
Pasadena, California

FIGURE
3

**ATTACHMENT A
LAB REPORT**

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Irvine

17461 Derian Ave

Suite 100

Irvine, CA 92614-5817

Tel: (949)261-1022

TestAmerica Job ID: 440-203322-1

Client Project/Site: Arroyo

Revision: 2


For:

Ramboll US Corporation

350 S. Grand Ave, Ste 2800

Los Angeles, California 90071

Attn: Seema Turner



Authorized for release by:

3/6/2018 2:54:37 PM

Patty Mata, Senior Project Manager

(949)261-1022

patty.mata@testamericainc.com

LINKS

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results through

TotalAccess

Have a Question?



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www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.



Table of Contents

Cover Page	1
Table of Contents	2
Sample Summary	3
Case Narrative	4
Client Sample Results	5
Method Summary	21
Lab Chronicle	22
QC Sample Results	25
QC Association Summary	72
Definitions/Glossary	75
Certification Summary	76
Chain of Custody	77
Receipt Checklists	80

Sample Summary

Client: Ramboll US Corporation
Project/Site: Arroyo

TestAmerica Job ID: 440-203322-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
440-203322-19	SB-6-5	Solid	02/13/18 08:45	02/13/18 18:45
440-203322-20	SB-6-10	Solid	02/13/18 09:00	02/13/18 18:45
440-203322-21	SB-6-15	Solid	02/13/18 11:50	02/13/18 18:45
440-203322-22	SB-6-20	Solid	02/13/18 12:00	02/13/18 18:45
440-203322-23	SB-7-5	Solid	02/13/18 12:20	02/13/18 18:45
440-203322-24	SB-7-10	Solid	02/13/18 12:30	02/13/18 18:45
440-203322-25	SB-7-15	Solid	02/13/18 12:40	02/13/18 18:45
440-203322-26	SB-7-20	Solid	02/13/18 12:45	02/13/18 18:45

Case Narrative

Client: Ramboll US Corporation
Project/Site: Arroyo

TestAmerica Job ID: 440-203322-1

Job ID: 440-203322-1

Laboratory: TestAmerica Irvine

Narrative

Job Narrative 440-203322-1

Comments

This report was revised to show DRO/ORO results for EPA 8015B-extractable test. Only the results for borings SB6 and SB7 are included in this report.

Receipt

The samples were received on 2/13/2018 6:45 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 2.3° C and 2.9° C.

GC/MS VOA

Method(s) 8260B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and/or precision for selected analytes in analytical batch 440-457637 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC VOA

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

GC Semi VOA

Method(s) 8015B: The method blank for preparation batch 440-457571 and analytical batch 440-457450 contained ORO (C24-C40) above the reporting limit (RL). Associated sample(s) were not re-extracted and/or re-analyzed. The sample results for ORO (C24-C40) range should be considered possible high bias.

Method(s) 8015B: Surrogate recovery for the following 8015-DRO batch QC sample was outside control limits due to the "dark clay-like" matrix: (440-203436-H-1-A MS). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

VOA Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Client Sample Results

Client: Ramboll US Corporation
Project/Site: Arroyo

TestAmerica Job ID: 440-203322-1

Client Sample ID: SB-6-5

Date Collected: 02/13/18 08:45

Date Received: 02/13/18 18:45

Lab Sample ID: 440-203322-19

Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		4.5	ug/Kg		02/15/18 09:10	02/15/18 09:58	1
1,1,1-Trichloroethane	ND		1.8	ug/Kg		02/15/18 09:10	02/15/18 09:58	1
1,1,2,2-Tetrachloroethane	ND		1.8	ug/Kg		02/15/18 09:10	02/15/18 09:58	1
1,1,2-Trichloroethane	ND		1.8	ug/Kg		02/15/18 09:10	02/15/18 09:58	1
1,1-Dichloroethane	ND		1.8	ug/Kg		02/15/18 09:10	02/15/18 09:58	1
1,1-Dichloroethene	ND		4.5	ug/Kg		02/15/18 09:10	02/15/18 09:58	1
1,1-Dichloropropene	ND		1.8	ug/Kg		02/15/18 09:10	02/15/18 09:58	1
1,2,3-Trichlorobenzene	ND		4.5	ug/Kg		02/15/18 09:10	02/15/18 09:58	1
1,2,3-Trichloropropane	ND		9.0	ug/Kg		02/15/18 09:10	02/15/18 09:58	1
1,2,4-Trichlorobenzene	ND		4.5	ug/Kg		02/15/18 09:10	02/15/18 09:58	1
1,2,4-Trimethylbenzene	ND		1.8	ug/Kg		02/15/18 09:10	02/15/18 09:58	1
1,2-Dibromo-3-Chloropropane	ND		4.5	ug/Kg		02/15/18 09:10	02/15/18 09:58	1
1,2-Dibromoethane (EDB)	ND		1.8	ug/Kg		02/15/18 09:10	02/15/18 09:58	1
1,2-Dichlorobenzene	ND		1.8	ug/Kg		02/15/18 09:10	02/15/18 09:58	1
1,2-Dichloroethane	ND		1.8	ug/Kg		02/15/18 09:10	02/15/18 09:58	1
1,2-Dichloropropane	ND		1.8	ug/Kg		02/15/18 09:10	02/15/18 09:58	1
1,3,5-Trimethylbenzene	ND		1.8	ug/Kg		02/15/18 09:10	02/15/18 09:58	1
1,3-Dichlorobenzene	ND		1.8	ug/Kg		02/15/18 09:10	02/15/18 09:58	1
1,3-Dichloropropane	ND		1.8	ug/Kg		02/15/18 09:10	02/15/18 09:58	1
1,4-Dichlorobenzene	ND		1.8	ug/Kg		02/15/18 09:10	02/15/18 09:58	1
2,2-Dichloropropane	ND		1.8	ug/Kg		02/15/18 09:10	02/15/18 09:58	1
2-Chlorotoluene	ND		4.5	ug/Kg		02/15/18 09:10	02/15/18 09:58	1
4-Chlorotoluene	ND		4.5	ug/Kg		02/15/18 09:10	02/15/18 09:58	1
Benzene	ND		1.8	ug/Kg		02/15/18 09:10	02/15/18 09:58	1
Bromobenzene	ND		4.5	ug/Kg		02/15/18 09:10	02/15/18 09:58	1
Bromochloromethane	ND		4.5	ug/Kg		02/15/18 09:10	02/15/18 09:58	1
Bromodichloromethane	ND		1.8	ug/Kg		02/15/18 09:10	02/15/18 09:58	1
Bromoform	ND		4.5	ug/Kg		02/15/18 09:10	02/15/18 09:58	1
Bromomethane	ND		4.5	ug/Kg		02/15/18 09:10	02/15/18 09:58	1
Carbon tetrachloride	ND		4.5	ug/Kg		02/15/18 09:10	02/15/18 09:58	1
Chlorobenzene	ND		1.8	ug/Kg		02/15/18 09:10	02/15/18 09:58	1
Chloroethane	ND		4.5	ug/Kg		02/15/18 09:10	02/15/18 09:58	1
Chloroform	ND		1.8	ug/Kg		02/15/18 09:10	02/15/18 09:58	1
Chloromethane	ND		4.5	ug/Kg		02/15/18 09:10	02/15/18 09:58	1
cis-1,2-Dichloroethene	ND		1.8	ug/Kg		02/15/18 09:10	02/15/18 09:58	1
cis-1,3-Dichloropropene	ND		1.8	ug/Kg		02/15/18 09:10	02/15/18 09:58	1
Dibromochloromethane	ND		1.8	ug/Kg		02/15/18 09:10	02/15/18 09:58	1
Dibromomethane	ND		1.8	ug/Kg		02/15/18 09:10	02/15/18 09:58	1
Dichlorodifluoromethane	ND		4.5	ug/Kg		02/15/18 09:10	02/15/18 09:58	1
Ethylbenzene	ND		1.8	ug/Kg		02/15/18 09:10	02/15/18 09:58	1
Hexachlorobutadiene	ND		4.5	ug/Kg		02/15/18 09:10	02/15/18 09:58	1
Isopropylbenzene	ND		1.8	ug/Kg		02/15/18 09:10	02/15/18 09:58	1
m,p-Xylene	ND		3.6	ug/Kg		02/15/18 09:10	02/15/18 09:58	1
Methylene Chloride	ND		18	ug/Kg		02/15/18 09:10	02/15/18 09:58	1
Methyl-t-Butyl Ether (MTBE)	ND		4.5	ug/Kg		02/15/18 09:10	02/15/18 09:58	1
Naphthalene	ND		4.5	ug/Kg		02/15/18 09:10	02/15/18 09:58	1
n-Butylbenzene	ND		4.5	ug/Kg		02/15/18 09:10	02/15/18 09:58	1
N-Propylbenzene	ND		1.8	ug/Kg		02/15/18 09:10	02/15/18 09:58	1
o-Xylene	ND		1.8	ug/Kg		02/15/18 09:10	02/15/18 09:58	1

TestAmerica Irvine

Client Sample Results

Client: Ramboll US Corporation
Project/Site: Arroyo

TestAmerica Job ID: 440-203322-1

Client Sample ID: SB-6-5

Date Collected: 02/13/18 08:45

Date Received: 02/13/18 18:45

Lab Sample ID: 440-203322-19

Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		4.5	ug/Kg		02/15/18 09:10	02/15/18 09:58	1
Styrene	ND		1.8	ug/Kg		02/15/18 09:10	02/15/18 09:58	1
Tert-amyl-methyl ether (TAME)	ND		4.5	ug/Kg		02/15/18 09:10	02/15/18 09:58	1
tert-Butylbenzene	ND		4.5	ug/Kg		02/15/18 09:10	02/15/18 09:58	1
Tetrachloroethene	ND		1.8	ug/Kg		02/15/18 09:10	02/15/18 09:58	1
Toluene	ND		1.8	ug/Kg		02/15/18 09:10	02/15/18 09:58	1
trans-1,2-Dichloroethene	ND		1.8	ug/Kg		02/15/18 09:10	02/15/18 09:58	1
trans-1,3-Dichloropropene	ND		1.8	ug/Kg		02/15/18 09:10	02/15/18 09:58	1
Trichloroethene	ND		1.8	ug/Kg		02/15/18 09:10	02/15/18 09:58	1
Trichlorofluoromethane	ND		4.5	ug/Kg		02/15/18 09:10	02/15/18 09:58	1
Vinyl chloride	ND		4.5	ug/Kg		02/15/18 09:10	02/15/18 09:58	1
Xylenes, Total	ND		3.6	ug/Kg		02/15/18 09:10	02/15/18 09:58	1
Isopropyl Ether (DIPE)	ND		4.5	ug/Kg		02/15/18 09:10	02/15/18 09:58	1
Ethyl-t-butyl ether (ETBE)	ND		4.5	ug/Kg		02/15/18 09:10	02/15/18 09:58	1
tert-Butyl alcohol (TBA)	ND		90	ug/Kg		02/15/18 09:10	02/15/18 09:58	1
p-Isopropyltoluene	ND		1.8	ug/Kg		02/15/18 09:10	02/15/18 09:58	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	111		79 - 123			02/15/18 09:10	02/15/18 09:58	1
4-Bromofluorobenzene (Surr)	105		79 - 120			02/15/18 09:10	02/15/18 09:58	1
Dibromofluoromethane (Surr)	107		60 - 120			02/15/18 09:10	02/15/18 09:58	1

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	ND		740	ug/Kg		02/19/18 10:41	02/19/18 12:02	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		65 - 140			02/19/18 10:41	02/19/18 12:02	1

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C13-C23)	ND		4.9	mg/Kg		02/14/18 19:13	02/15/18 09:32	1
ORO C24-C40	ND		4.9	mg/Kg		02/14/18 19:13	02/15/18 09:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
n-Octacosane	73		40 - 140			02/14/18 19:13	02/15/18 09:32	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	3.8		2.0	mg/Kg		02/16/18 08:42	02/16/18 19:01	5

Client Sample ID: SB-6-10

Date Collected: 02/13/18 09:00

Date Received: 02/13/18 18:45

Lab Sample ID: 440-203322-20

Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		4.9	ug/Kg		02/15/18 09:10	02/15/18 10:27	1
1,1,1-Trichloroethane	ND		1.9	ug/Kg		02/15/18 09:10	02/15/18 10:27	1
1,1,2,2-Tetrachloroethane	ND		1.9	ug/Kg		02/15/18 09:10	02/15/18 10:27	1
1,1,2-Trichloroethane	ND		1.9	ug/Kg		02/15/18 09:10	02/15/18 10:27	1

TestAmerica Irvine

Client Sample Results

Client: Ramboll US Corporation
Project/Site: Arroyo

TestAmerica Job ID: 440-203322-1

Client Sample ID: SB-6-10

Date Collected: 02/13/18 09:00

Date Received: 02/13/18 18:45

Lab Sample ID: 440-203322-20

Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		1.9	ug/Kg		02/15/18 09:10	02/15/18 10:27	1
1,1-Dichloroethene	ND		4.9	ug/Kg		02/15/18 09:10	02/15/18 10:27	1
1,1-Dichloropropene	ND		1.9	ug/Kg		02/15/18 09:10	02/15/18 10:27	1
1,2,3-Trichlorobenzene	ND		4.9	ug/Kg		02/15/18 09:10	02/15/18 10:27	1
1,2,3-Trichloropropane	ND		9.7	ug/Kg		02/15/18 09:10	02/15/18 10:27	1
1,2,4-Trichlorobenzene	ND		4.9	ug/Kg		02/15/18 09:10	02/15/18 10:27	1
1,2,4-Trimethylbenzene	ND		1.9	ug/Kg		02/15/18 09:10	02/15/18 10:27	1
1,2-Dibromo-3-Chloropropane	ND		4.9	ug/Kg		02/15/18 09:10	02/15/18 10:27	1
1,2-Dibromoethane (EDB)	ND		1.9	ug/Kg		02/15/18 09:10	02/15/18 10:27	1
1,2-Dichlorobenzene	ND		1.9	ug/Kg		02/15/18 09:10	02/15/18 10:27	1
1,2-Dichloroethane	ND		1.9	ug/Kg		02/15/18 09:10	02/15/18 10:27	1
1,2-Dichloropropane	ND		1.9	ug/Kg		02/15/18 09:10	02/15/18 10:27	1
1,3,5-Trimethylbenzene	ND		1.9	ug/Kg		02/15/18 09:10	02/15/18 10:27	1
1,3-Dichlorobenzene	ND		1.9	ug/Kg		02/15/18 09:10	02/15/18 10:27	1
1,3-Dichloropropane	ND		1.9	ug/Kg		02/15/18 09:10	02/15/18 10:27	1
1,4-Dichlorobenzene	ND		1.9	ug/Kg		02/15/18 09:10	02/15/18 10:27	1
2,2-Dichloropropane	ND		1.9	ug/Kg		02/15/18 09:10	02/15/18 10:27	1
2-Chlorotoluene	ND		4.9	ug/Kg		02/15/18 09:10	02/15/18 10:27	1
4-Chlorotoluene	ND		4.9	ug/Kg		02/15/18 09:10	02/15/18 10:27	1
Benzene	ND		1.9	ug/Kg		02/15/18 09:10	02/15/18 10:27	1
Bromobenzene	ND		4.9	ug/Kg		02/15/18 09:10	02/15/18 10:27	1
Bromochloromethane	ND		4.9	ug/Kg		02/15/18 09:10	02/15/18 10:27	1
Bromodichloromethane	ND		1.9	ug/Kg		02/15/18 09:10	02/15/18 10:27	1
Bromoform	ND		4.9	ug/Kg		02/15/18 09:10	02/15/18 10:27	1
Bromomethane	ND		4.9	ug/Kg		02/15/18 09:10	02/15/18 10:27	1
Carbon tetrachloride	ND		4.9	ug/Kg		02/15/18 09:10	02/15/18 10:27	1
Chlorobenzene	ND		1.9	ug/Kg		02/15/18 09:10	02/15/18 10:27	1
Chloroethane	ND		4.9	ug/Kg		02/15/18 09:10	02/15/18 10:27	1
Chloroform	ND		1.9	ug/Kg		02/15/18 09:10	02/15/18 10:27	1
Chloromethane	ND		4.9	ug/Kg		02/15/18 09:10	02/15/18 10:27	1
cis-1,2-Dichloroethene	ND		1.9	ug/Kg		02/15/18 09:10	02/15/18 10:27	1
cis-1,3-Dichloropropene	ND		1.9	ug/Kg		02/15/18 09:10	02/15/18 10:27	1
Dibromochloromethane	ND		1.9	ug/Kg		02/15/18 09:10	02/15/18 10:27	1
Dibromomethane	ND		1.9	ug/Kg		02/15/18 09:10	02/15/18 10:27	1
Dichlorodifluoromethane	ND		4.9	ug/Kg		02/15/18 09:10	02/15/18 10:27	1
Ethylbenzene	ND		1.9	ug/Kg		02/15/18 09:10	02/15/18 10:27	1
Hexachlorobutadiene	ND		4.9	ug/Kg		02/15/18 09:10	02/15/18 10:27	1
Isopropylbenzene	ND		1.9	ug/Kg		02/15/18 09:10	02/15/18 10:27	1
m,p-Xylene	ND		3.9	ug/Kg		02/15/18 09:10	02/15/18 10:27	1
Methylene Chloride	ND		19	ug/Kg		02/15/18 09:10	02/15/18 10:27	1
Methyl-t-Butyl Ether (MTBE)	ND		4.9	ug/Kg		02/15/18 09:10	02/15/18 10:27	1
Naphthalene	ND		4.9	ug/Kg		02/15/18 09:10	02/15/18 10:27	1
n-Butylbenzene	ND		4.9	ug/Kg		02/15/18 09:10	02/15/18 10:27	1
N-Propylbenzene	ND		1.9	ug/Kg		02/15/18 09:10	02/15/18 10:27	1
o-Xylene	ND		1.9	ug/Kg		02/15/18 09:10	02/15/18 10:27	1
sec-Butylbenzene	ND		4.9	ug/Kg		02/15/18 09:10	02/15/18 10:27	1
Styrene	ND		1.9	ug/Kg		02/15/18 09:10	02/15/18 10:27	1
Tert-amyl-methyl ether (TAME)	ND		4.9	ug/Kg		02/15/18 09:10	02/15/18 10:27	1
tert-Butylbenzene	ND		4.9	ug/Kg		02/15/18 09:10	02/15/18 10:27	1

TestAmerica Irvine

Client Sample Results

Client: Ramboll US Corporation
Project/Site: Arroyo

TestAmerica Job ID: 440-203322-1

Client Sample ID: SB-6-10

Date Collected: 02/13/18 09:00

Date Received: 02/13/18 18:45

Lab Sample ID: 440-203322-20

Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	ND		1.9	ug/Kg		02/15/18 09:10	02/15/18 10:27	1
Toluene	ND		1.9	ug/Kg		02/15/18 09:10	02/15/18 10:27	1
trans-1,2-Dichloroethene	ND		1.9	ug/Kg		02/15/18 09:10	02/15/18 10:27	1
trans-1,3-Dichloropropene	ND		1.9	ug/Kg		02/15/18 09:10	02/15/18 10:27	1
Trichloroethene	ND		1.9	ug/Kg		02/15/18 09:10	02/15/18 10:27	1
Trichlorofluoromethane	ND		4.9	ug/Kg		02/15/18 09:10	02/15/18 10:27	1
Vinyl chloride	ND		4.9	ug/Kg		02/15/18 09:10	02/15/18 10:27	1
Xylenes, Total	ND		3.9	ug/Kg		02/15/18 09:10	02/15/18 10:27	1
Isopropyl Ether (DIPE)	ND		4.9	ug/Kg		02/15/18 09:10	02/15/18 10:27	1
Ethyl-t-butyl ether (ETBE)	ND		4.9	ug/Kg		02/15/18 09:10	02/15/18 10:27	1
tert-Butyl alcohol (TBA)	ND		97	ug/Kg		02/15/18 09:10	02/15/18 10:27	1
p-Isopropyltoluene	ND		1.9	ug/Kg		02/15/18 09:10	02/15/18 10:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	108		79 - 123	02/15/18 09:10	02/15/18 10:27	1
4-Bromofluorobenzene (Surr)	108		79 - 120	02/15/18 09:10	02/15/18 10:27	1
Dibromofluoromethane (Surr)	113		60 - 120	02/15/18 09:10	02/15/18 10:27	1

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	ND		490	ug/Kg		02/19/18 10:41	02/19/18 12:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		65 - 140	02/19/18 10:41	02/19/18 12:31	1

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C13-C23)	ND		5.0	mg/Kg		02/14/18 19:13	02/15/18 09:52	1
ORO C24-C40	ND		5.0	mg/Kg		02/14/18 19:13	02/15/18 09:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Octacosane	54		40 - 140	02/14/18 19:13	02/15/18 09:52	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	3.8		2.0	mg/Kg		02/16/18 08:44	02/17/18 16:56	5

Client Sample ID: SB-6-15

Date Collected: 02/13/18 11:50

Date Received: 02/13/18 18:45

Lab Sample ID: 440-203322-21

Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		3.7	ug/Kg		02/15/18 09:10	02/15/18 15:49	1
1,1,1-Trichloroethane	ND		1.5	ug/Kg		02/15/18 09:10	02/15/18 15:49	1
1,1,2,2-Tetrachloroethane	ND		1.5	ug/Kg		02/15/18 09:10	02/15/18 15:49	1
1,1,2-Trichloroethane	ND		1.5	ug/Kg		02/15/18 09:10	02/15/18 15:49	1
1,1-Dichloroethane	ND		1.5	ug/Kg		02/15/18 09:10	02/15/18 15:49	1
1,1-Dichloroethene	ND		3.7	ug/Kg		02/15/18 09:10	02/15/18 15:49	1
1,1-Dichloropropene	ND		1.5	ug/Kg		02/15/18 09:10	02/15/18 15:49	1
1,2,3-Trichlorobenzene	ND		3.7	ug/Kg		02/15/18 09:10	02/15/18 15:49	1

TestAmerica Irvine

Client Sample Results

Client: Ramboll US Corporation
Project/Site: Arroyo

TestAmerica Job ID: 440-203322-1

Client Sample ID: SB-6-15

Date Collected: 02/13/18 11:50

Date Received: 02/13/18 18:45

Lab Sample ID: 440-203322-21

Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichloropropane	ND		7.4	ug/Kg		02/15/18 09:10	02/15/18 15:49	1
1,2,4-Trichlorobenzene	ND		3.7	ug/Kg		02/15/18 09:10	02/15/18 15:49	1
1,2,4-Trimethylbenzene	ND		1.5	ug/Kg		02/15/18 09:10	02/15/18 15:49	1
1,2-Dibromo-3-Chloropropane	ND		3.7	ug/Kg		02/15/18 09:10	02/15/18 15:49	1
1,2-Dibromoethane (EDB)	ND		1.5	ug/Kg		02/15/18 09:10	02/15/18 15:49	1
1,2-Dichlorobenzene	ND		1.5	ug/Kg		02/15/18 09:10	02/15/18 15:49	1
1,2-Dichloroethane	ND		1.5	ug/Kg		02/15/18 09:10	02/15/18 15:49	1
1,2-Dichloropropane	ND		1.5	ug/Kg		02/15/18 09:10	02/15/18 15:49	1
1,3,5-Trimethylbenzene	ND		1.5	ug/Kg		02/15/18 09:10	02/15/18 15:49	1
1,3-Dichlorobenzene	ND		1.5	ug/Kg		02/15/18 09:10	02/15/18 15:49	1
1,3-Dichloropropane	ND		1.5	ug/Kg		02/15/18 09:10	02/15/18 15:49	1
1,4-Dichlorobenzene	ND		1.5	ug/Kg		02/15/18 09:10	02/15/18 15:49	1
2,2-Dichloropropane	ND		1.5	ug/Kg		02/15/18 09:10	02/15/18 15:49	1
2-Chlorotoluene	ND		3.7	ug/Kg		02/15/18 09:10	02/15/18 15:49	1
4-Chlorotoluene	ND		3.7	ug/Kg		02/15/18 09:10	02/15/18 15:49	1
Benzene	ND		1.5	ug/Kg		02/15/18 09:10	02/15/18 15:49	1
Bromobenzene	ND		3.7	ug/Kg		02/15/18 09:10	02/15/18 15:49	1
Bromochloromethane	ND		3.7	ug/Kg		02/15/18 09:10	02/15/18 15:49	1
Bromodichloromethane	ND		1.5	ug/Kg		02/15/18 09:10	02/15/18 15:49	1
Bromoform	ND		3.7	ug/Kg		02/15/18 09:10	02/15/18 15:49	1
Bromomethane	ND		3.7	ug/Kg		02/15/18 09:10	02/15/18 15:49	1
Carbon tetrachloride	ND		3.7	ug/Kg		02/15/18 09:10	02/15/18 15:49	1
Chlorobenzene	ND		1.5	ug/Kg		02/15/18 09:10	02/15/18 15:49	1
Chloroethane	ND		3.7	ug/Kg		02/15/18 09:10	02/15/18 15:49	1
Chloroform	ND		1.5	ug/Kg		02/15/18 09:10	02/15/18 15:49	1
Chloromethane	ND		3.7	ug/Kg		02/15/18 09:10	02/15/18 15:49	1
cis-1,2-Dichloroethene	ND		1.5	ug/Kg		02/15/18 09:10	02/15/18 15:49	1
cis-1,3-Dichloropropene	ND		1.5	ug/Kg		02/15/18 09:10	02/15/18 15:49	1
Dibromochloromethane	ND		1.5	ug/Kg		02/15/18 09:10	02/15/18 15:49	1
Dibromomethane	ND		1.5	ug/Kg		02/15/18 09:10	02/15/18 15:49	1
Dichlorodifluoromethane	ND		3.7	ug/Kg		02/15/18 09:10	02/15/18 15:49	1
Ethylbenzene	ND		1.5	ug/Kg		02/15/18 09:10	02/15/18 15:49	1
Hexachlorobutadiene	ND		3.7	ug/Kg		02/15/18 09:10	02/15/18 15:49	1
Isopropylbenzene	ND		1.5	ug/Kg		02/15/18 09:10	02/15/18 15:49	1
m,p-Xylene	ND		3.0	ug/Kg		02/15/18 09:10	02/15/18 15:49	1
Methylene Chloride	ND		15	ug/Kg		02/15/18 09:10	02/15/18 15:49	1
Methyl-t-Butyl Ether (MTBE)	ND		3.7	ug/Kg		02/15/18 09:10	02/15/18 15:49	1
Naphthalene	ND		3.7	ug/Kg		02/15/18 09:10	02/15/18 15:49	1
n-Butylbenzene	ND		3.7	ug/Kg		02/15/18 09:10	02/15/18 15:49	1
N-Propylbenzene	ND		1.5	ug/Kg		02/15/18 09:10	02/15/18 15:49	1
o-Xylene	ND		1.5	ug/Kg		02/15/18 09:10	02/15/18 15:49	1
sec-Butylbenzene	ND		3.7	ug/Kg		02/15/18 09:10	02/15/18 15:49	1
Styrene	ND		1.5	ug/Kg		02/15/18 09:10	02/15/18 15:49	1
Tert-amyl-methyl ether (TAME)	ND		3.7	ug/Kg		02/15/18 09:10	02/15/18 15:49	1
tert-Butylbenzene	ND		3.7	ug/Kg		02/15/18 09:10	02/15/18 15:49	1
Tetrachloroethene	ND		1.5	ug/Kg		02/15/18 09:10	02/15/18 15:49	1
Toluene	ND		1.5	ug/Kg		02/15/18 09:10	02/15/18 15:49	1
trans-1,2-Dichloroethene	ND		1.5	ug/Kg		02/15/18 09:10	02/15/18 15:49	1
trans-1,3-Dichloropropene	ND		1.5	ug/Kg		02/15/18 09:10	02/15/18 15:49	1

TestAmerica Irvine

Client Sample Results

Client: Ramboll US Corporation
Project/Site: Arroyo

TestAmerica Job ID: 440-203322-1

Client Sample ID: SB-6-15

Date Collected: 02/13/18 11:50

Date Received: 02/13/18 18:45

Lab Sample ID: 440-203322-21

Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	ND		1.5	ug/Kg		02/15/18 09:10	02/15/18 15:49	1
Trichlorofluoromethane	ND		3.7	ug/Kg		02/15/18 09:10	02/15/18 15:49	1
Vinyl chloride	ND		3.7	ug/Kg		02/15/18 09:10	02/15/18 15:49	1
Xylenes, Total	ND		3.0	ug/Kg		02/15/18 09:10	02/15/18 15:49	1
Isopropyl Ether (DIPE)	ND		3.7	ug/Kg		02/15/18 09:10	02/15/18 15:49	1
Ethyl-t-butyl ether (ETBE)	ND		3.7	ug/Kg		02/15/18 09:10	02/15/18 15:49	1
tert-Butyl alcohol (TBA)	ND		74	ug/Kg		02/15/18 09:10	02/15/18 15:49	1
p-Isopropyltoluene	ND		1.5	ug/Kg		02/15/18 09:10	02/15/18 15:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	108		79 - 123	02/15/18 09:10	02/15/18 15:49	1
4-Bromofluorobenzene (Surr)	105		79 - 120	02/15/18 09:10	02/15/18 15:49	1
Dibromofluoromethane (Surr)	113		60 - 120	02/15/18 09:10	02/15/18 15:49	1

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	ND		310	ug/Kg		02/19/18 10:41	02/19/18 13:00	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		65 - 140			02/19/18 10:41	02/19/18 13:00	1

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C13-C23)	ND		4.9	mg/Kg		02/14/18 18:47	02/15/18 08:11	1
ORO C24-C40	6.9	B	4.9	mg/Kg		02/14/18 18:47	02/15/18 08:11	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
n-Octacosane	81		40 - 140			02/14/18 18:47	02/15/18 08:11	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	4.8		2.0	mg/Kg		02/16/18 08:44	02/17/18 17:09	5

Client Sample ID: SB-6-20

Date Collected: 02/13/18 12:00

Date Received: 02/13/18 18:45

Lab Sample ID: 440-203322-22

Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		3.8	ug/Kg		02/15/18 09:10	02/15/18 16:17	1
1,1,1-Trichloroethane	ND		1.5	ug/Kg		02/15/18 09:10	02/15/18 16:17	1
1,1,2,2-Tetrachloroethane	ND		1.5	ug/Kg		02/15/18 09:10	02/15/18 16:17	1
1,1,2-Trichloroethane	ND		1.5	ug/Kg		02/15/18 09:10	02/15/18 16:17	1
1,1-Dichloroethane	ND		1.5	ug/Kg		02/15/18 09:10	02/15/18 16:17	1
1,1-Dichloroethene	ND		3.8	ug/Kg		02/15/18 09:10	02/15/18 16:17	1
1,1-Dichloropropene	ND		1.5	ug/Kg		02/15/18 09:10	02/15/18 16:17	1
1,2,3-Trichlorobenzene	ND		3.8	ug/Kg		02/15/18 09:10	02/15/18 16:17	1
1,2,3-Trichloropropane	ND		7.6	ug/Kg		02/15/18 09:10	02/15/18 16:17	1
1,2,4-Trichlorobenzene	ND		3.8	ug/Kg		02/15/18 09:10	02/15/18 16:17	1
1,2,4-Trimethylbenzene	ND		1.5	ug/Kg		02/15/18 09:10	02/15/18 16:17	1
1,2-Dibromo-3-Chloropropane	ND		3.8	ug/Kg		02/15/18 09:10	02/15/18 16:17	1

TestAmerica Irvine

Client Sample Results

Client: Ramboll US Corporation
Project/Site: Arroyo

TestAmerica Job ID: 440-203322-1

Client Sample ID: SB-6-20

Date Collected: 02/13/18 12:00

Date Received: 02/13/18 18:45

Lab Sample ID: 440-203322-22

Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane (EDB)	ND		1.5	ug/Kg		02/15/18 09:10	02/15/18 16:17	1
1,2-Dichlorobenzene	ND		1.5	ug/Kg		02/15/18 09:10	02/15/18 16:17	1
1,2-Dichloroethane	ND		1.5	ug/Kg		02/15/18 09:10	02/15/18 16:17	1
1,2-Dichloropropane	ND		1.5	ug/Kg		02/15/18 09:10	02/15/18 16:17	1
1,3,5-Trimethylbenzene	ND		1.5	ug/Kg		02/15/18 09:10	02/15/18 16:17	1
1,3-Dichlorobenzene	ND		1.5	ug/Kg		02/15/18 09:10	02/15/18 16:17	1
1,3-Dichloropropane	ND		1.5	ug/Kg		02/15/18 09:10	02/15/18 16:17	1
1,4-Dichlorobenzene	ND		1.5	ug/Kg		02/15/18 09:10	02/15/18 16:17	1
2,2-Dichloropropane	ND		1.5	ug/Kg		02/15/18 09:10	02/15/18 16:17	1
2-Chlorotoluene	ND		3.8	ug/Kg		02/15/18 09:10	02/15/18 16:17	1
4-Chlorotoluene	ND		3.8	ug/Kg		02/15/18 09:10	02/15/18 16:17	1
Benzene	ND		1.5	ug/Kg		02/15/18 09:10	02/15/18 16:17	1
Bromobenzene	ND		3.8	ug/Kg		02/15/18 09:10	02/15/18 16:17	1
Bromochloromethane	ND		3.8	ug/Kg		02/15/18 09:10	02/15/18 16:17	1
Bromodichloromethane	ND		1.5	ug/Kg		02/15/18 09:10	02/15/18 16:17	1
Bromoform	ND		3.8	ug/Kg		02/15/18 09:10	02/15/18 16:17	1
Bromomethane	ND		3.8	ug/Kg		02/15/18 09:10	02/15/18 16:17	1
Carbon tetrachloride	ND		3.8	ug/Kg		02/15/18 09:10	02/15/18 16:17	1
Chlorobenzene	ND		1.5	ug/Kg		02/15/18 09:10	02/15/18 16:17	1
Chloroethane	ND		3.8	ug/Kg		02/15/18 09:10	02/15/18 16:17	1
Chloroform	ND		1.5	ug/Kg		02/15/18 09:10	02/15/18 16:17	1
Chloromethane	ND		3.8	ug/Kg		02/15/18 09:10	02/15/18 16:17	1
cis-1,2-Dichloroethene	ND		1.5	ug/Kg		02/15/18 09:10	02/15/18 16:17	1
cis-1,3-Dichloropropene	ND		1.5	ug/Kg		02/15/18 09:10	02/15/18 16:17	1
Dibromochloromethane	ND		1.5	ug/Kg		02/15/18 09:10	02/15/18 16:17	1
Dibromomethane	ND		1.5	ug/Kg		02/15/18 09:10	02/15/18 16:17	1
Dichlorodifluoromethane	ND		3.8	ug/Kg		02/15/18 09:10	02/15/18 16:17	1
Ethylbenzene	ND		1.5	ug/Kg		02/15/18 09:10	02/15/18 16:17	1
Hexachlorobutadiene	ND		3.8	ug/Kg		02/15/18 09:10	02/15/18 16:17	1
Isopropylbenzene	ND		1.5	ug/Kg		02/15/18 09:10	02/15/18 16:17	1
m,p-Xylene	ND		3.0	ug/Kg		02/15/18 09:10	02/15/18 16:17	1
Methylene Chloride	ND		15	ug/Kg		02/15/18 09:10	02/15/18 16:17	1
Methyl-t-Butyl Ether (MTBE)	ND		3.8	ug/Kg		02/15/18 09:10	02/15/18 16:17	1
Naphthalene	ND		3.8	ug/Kg		02/15/18 09:10	02/15/18 16:17	1
n-Butylbenzene	ND		3.8	ug/Kg		02/15/18 09:10	02/15/18 16:17	1
N-Propylbenzene	ND		1.5	ug/Kg		02/15/18 09:10	02/15/18 16:17	1
o-Xylene	ND		1.5	ug/Kg		02/15/18 09:10	02/15/18 16:17	1
sec-Butylbenzene	ND		3.8	ug/Kg		02/15/18 09:10	02/15/18 16:17	1
Styrene	ND		1.5	ug/Kg		02/15/18 09:10	02/15/18 16:17	1
Tert-amyl-methyl ether (TAME)	ND		3.8	ug/Kg		02/15/18 09:10	02/15/18 16:17	1
tert-Butylbenzene	ND		3.8	ug/Kg		02/15/18 09:10	02/15/18 16:17	1
Tetrachloroethene	ND		1.5	ug/Kg		02/15/18 09:10	02/15/18 16:17	1
Toluene	ND		1.5	ug/Kg		02/15/18 09:10	02/15/18 16:17	1
trans-1,2-Dichloroethene	ND		1.5	ug/Kg		02/15/18 09:10	02/15/18 16:17	1
trans-1,3-Dichloropropene	ND		1.5	ug/Kg		02/15/18 09:10	02/15/18 16:17	1
Trichloroethene	ND		1.5	ug/Kg		02/15/18 09:10	02/15/18 16:17	1
Trichlorofluoromethane	ND		3.8	ug/Kg		02/15/18 09:10	02/15/18 16:17	1
Vinyl chloride	ND		3.8	ug/Kg		02/15/18 09:10	02/15/18 16:17	1
Xylenes, Total	ND		3.0	ug/Kg		02/15/18 09:10	02/15/18 16:17	1

TestAmerica Irvine

Client Sample Results

Client: Ramboll US Corporation
Project/Site: Arroyo

TestAmerica Job ID: 440-203322-1

Client Sample ID: SB-6-20

Date Collected: 02/13/18 12:00

Date Received: 02/13/18 18:45

Lab Sample ID: 440-203322-22

Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropyl Ether (DIPE)	ND		3.8	ug/Kg		02/15/18 09:10	02/15/18 16:17	1
Ethyl-t-butyl ether (ETBE)	ND		3.8	ug/Kg		02/15/18 09:10	02/15/18 16:17	1
tert-Butyl alcohol (TBA)	ND		76	ug/Kg		02/15/18 09:10	02/15/18 16:17	1
p-Isopropyltoluene	ND		1.5	ug/Kg		02/15/18 09:10	02/15/18 16:17	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	108		79 - 123			02/15/18 09:10	02/15/18 16:17	1
4-Bromofluorobenzene (Surr)	105		79 - 120			02/15/18 09:10	02/15/18 16:17	1
Dibromofluoromethane (Surr)	112		60 - 120			02/15/18 09:10	02/15/18 16:17	1

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	ND		340	ug/Kg		02/19/18 10:41	02/19/18 13:29	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		65 - 140			02/19/18 10:41	02/19/18 13:29	1

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C13-C23)	ND		4.9	mg/Kg		02/14/18 18:47	02/15/18 08:31	1
ORO C24-C40	5.5	B	4.9	mg/Kg		02/14/18 18:47	02/15/18 08:31	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
n-Octacosane	68		40 - 140			02/14/18 18:47	02/15/18 08:31	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	9.0		2.0	mg/Kg		02/16/18 08:44	02/17/18 17:11	5

Client Sample ID: SB-7-5

Date Collected: 02/13/18 12:20

Date Received: 02/13/18 18:45

Lab Sample ID: 440-203322-23

Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		4.4	ug/Kg		02/15/18 09:10	02/15/18 16:47	1
1,1,1-Trichloroethane	ND		1.8	ug/Kg		02/15/18 09:10	02/15/18 16:47	1
1,1,2,2-Tetrachloroethane	ND		1.8	ug/Kg		02/15/18 09:10	02/15/18 16:47	1
1,1,2-Trichloroethane	ND		1.8	ug/Kg		02/15/18 09:10	02/15/18 16:47	1
1,1-Dichloroethane	ND		1.8	ug/Kg		02/15/18 09:10	02/15/18 16:47	1
1,1-Dichloroethene	ND		4.4	ug/Kg		02/15/18 09:10	02/15/18 16:47	1
1,1-Dichloropropene	ND		1.8	ug/Kg		02/15/18 09:10	02/15/18 16:47	1
1,2,3-Trichlorobenzene	ND		4.4	ug/Kg		02/15/18 09:10	02/15/18 16:47	1
1,2,3-Trichloropropane	ND		8.8	ug/Kg		02/15/18 09:10	02/15/18 16:47	1
1,2,4-Trichlorobenzene	ND		4.4	ug/Kg		02/15/18 09:10	02/15/18 16:47	1
1,2,4-Trimethylbenzene	ND		1.8	ug/Kg		02/15/18 09:10	02/15/18 16:47	1
1,2-Dibromo-3-Chloropropane	ND		4.4	ug/Kg		02/15/18 09:10	02/15/18 16:47	1
1,2-Dibromoethane (EDB)	ND		1.8	ug/Kg		02/15/18 09:10	02/15/18 16:47	1
1,2-Dichlorobenzene	ND		1.8	ug/Kg		02/15/18 09:10	02/15/18 16:47	1
1,2-Dichloroethane	ND		1.8	ug/Kg		02/15/18 09:10	02/15/18 16:47	1
1,2-Dichloropropane	ND		1.8	ug/Kg		02/15/18 09:10	02/15/18 16:47	1

TestAmerica Irvine

Client Sample Results

Client: Ramboll US Corporation
Project/Site: Arroyo

TestAmerica Job ID: 440-203322-1

Client Sample ID: SB-7-5

Date Collected: 02/13/18 12:20

Date Received: 02/13/18 18:45

Lab Sample ID: 440-203322-23

Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trimethylbenzene	ND		1.8	ug/Kg		02/15/18 09:10	02/15/18 16:47	1
1,3-Dichlorobenzene	ND		1.8	ug/Kg		02/15/18 09:10	02/15/18 16:47	1
1,3-Dichloropropane	ND		1.8	ug/Kg		02/15/18 09:10	02/15/18 16:47	1
1,4-Dichlorobenzene	ND		1.8	ug/Kg		02/15/18 09:10	02/15/18 16:47	1
2,2-Dichloropropane	ND		1.8	ug/Kg		02/15/18 09:10	02/15/18 16:47	1
2-Chlorotoluene	ND		4.4	ug/Kg		02/15/18 09:10	02/15/18 16:47	1
4-Chlorotoluene	ND		4.4	ug/Kg		02/15/18 09:10	02/15/18 16:47	1
Benzene	ND		1.8	ug/Kg		02/15/18 09:10	02/15/18 16:47	1
Bromobenzene	ND		4.4	ug/Kg		02/15/18 09:10	02/15/18 16:47	1
Bromochloromethane	ND		4.4	ug/Kg		02/15/18 09:10	02/15/18 16:47	1
Bromodichloromethane	ND		1.8	ug/Kg		02/15/18 09:10	02/15/18 16:47	1
Bromoform	ND		4.4	ug/Kg		02/15/18 09:10	02/15/18 16:47	1
Bromomethane	ND		4.4	ug/Kg		02/15/18 09:10	02/15/18 16:47	1
Carbon tetrachloride	ND		4.4	ug/Kg		02/15/18 09:10	02/15/18 16:47	1
Chlorobenzene	ND		1.8	ug/Kg		02/15/18 09:10	02/15/18 16:47	1
Chloroethane	ND		4.4	ug/Kg		02/15/18 09:10	02/15/18 16:47	1
Chloroform	ND		1.8	ug/Kg		02/15/18 09:10	02/15/18 16:47	1
Chloromethane	ND		4.4	ug/Kg		02/15/18 09:10	02/15/18 16:47	1
cis-1,2-Dichloroethene	ND		1.8	ug/Kg		02/15/18 09:10	02/15/18 16:47	1
cis-1,3-Dichloropropene	ND		1.8	ug/Kg		02/15/18 09:10	02/15/18 16:47	1
Dibromochloromethane	ND		1.8	ug/Kg		02/15/18 09:10	02/15/18 16:47	1
Dibromomethane	ND		1.8	ug/Kg		02/15/18 09:10	02/15/18 16:47	1
Dichlorodifluoromethane	ND		4.4	ug/Kg		02/15/18 09:10	02/15/18 16:47	1
Ethylbenzene	ND		1.8	ug/Kg		02/15/18 09:10	02/15/18 16:47	1
Hexachlorobutadiene	ND		4.4	ug/Kg		02/15/18 09:10	02/15/18 16:47	1
Isopropylbenzene	ND		1.8	ug/Kg		02/15/18 09:10	02/15/18 16:47	1
m,p-Xylene	ND		3.5	ug/Kg		02/15/18 09:10	02/15/18 16:47	1
Methylene Chloride	ND		18	ug/Kg		02/15/18 09:10	02/15/18 16:47	1
Methyl-t-Butyl Ether (MTBE)	ND		4.4	ug/Kg		02/15/18 09:10	02/15/18 16:47	1
Naphthalene	ND		4.4	ug/Kg		02/15/18 09:10	02/15/18 16:47	1
n-Butylbenzene	ND		4.4	ug/Kg		02/15/18 09:10	02/15/18 16:47	1
N-Propylbenzene	ND		1.8	ug/Kg		02/15/18 09:10	02/15/18 16:47	1
o-Xylene	ND		1.8	ug/Kg		02/15/18 09:10	02/15/18 16:47	1
sec-Butylbenzene	ND		4.4	ug/Kg		02/15/18 09:10	02/15/18 16:47	1
Styrene	ND		1.8	ug/Kg		02/15/18 09:10	02/15/18 16:47	1
Tert-amyl-methyl ether (TAME)	ND		4.4	ug/Kg		02/15/18 09:10	02/15/18 16:47	1
tert-Butylbenzene	ND		4.4	ug/Kg		02/15/18 09:10	02/15/18 16:47	1
Tetrachloroethene	ND		1.8	ug/Kg		02/15/18 09:10	02/15/18 16:47	1
Toluene	ND		1.8	ug/Kg		02/15/18 09:10	02/15/18 16:47	1
trans-1,2-Dichloroethene	ND		1.8	ug/Kg		02/15/18 09:10	02/15/18 16:47	1
trans-1,3-Dichloropropene	ND		1.8	ug/Kg		02/15/18 09:10	02/15/18 16:47	1
Trichloroethene	ND		1.8	ug/Kg		02/15/18 09:10	02/15/18 16:47	1
Trichlorofluoromethane	ND		4.4	ug/Kg		02/15/18 09:10	02/15/18 16:47	1
Vinyl chloride	ND		4.4	ug/Kg		02/15/18 09:10	02/15/18 16:47	1
Xylenes, Total	ND		3.5	ug/Kg		02/15/18 09:10	02/15/18 16:47	1
Isopropyl Ether (DIPE)	ND		4.4	ug/Kg		02/15/18 09:10	02/15/18 16:47	1
Ethyl-t-butyl ether (ETBE)	ND		4.4	ug/Kg		02/15/18 09:10	02/15/18 16:47	1
tert-Butyl alcohol (TBA)	ND		88	ug/Kg		02/15/18 09:10	02/15/18 16:47	1
p-Isopropyltoluene	ND		1.8	ug/Kg		02/15/18 09:10	02/15/18 16:47	1

TestAmerica Irvine

Client Sample Results

Client: Ramboll US Corporation
Project/Site: Arroyo

TestAmerica Job ID: 440-203322-1

Client Sample ID: SB-7-5

Date Collected: 02/13/18 12:20

Date Received: 02/13/18 18:45

Lab Sample ID: 440-203322-23

Matrix: Solid

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	108		79 - 123	02/15/18 09:10	02/15/18 16:47	1
4-Bromofluorobenzene (Surr)	108		79 - 120	02/15/18 09:10	02/15/18 16:47	1
Dibromofluoromethane (Surr)	115		60 - 120	02/15/18 09:10	02/15/18 16:47	1

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	ND		320	ug/Kg		02/19/18 10:41	02/19/18 13:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		65 - 140	02/19/18 10:41	02/19/18 13:59	1

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C13-C23)	ND		4.9	mg/Kg		02/14/18 18:47	02/15/18 08:51	1
ORO C24-C40	5.3	B	4.9	mg/Kg		02/14/18 18:47	02/15/18 08:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Octacosane	85		40 - 140	02/14/18 18:47	02/15/18 08:51	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	4.2		2.0	mg/Kg		02/16/18 08:44	02/17/18 17:14	5

Client Sample ID: SB-7-10

Date Collected: 02/13/18 12:30

Date Received: 02/13/18 18:45

Lab Sample ID: 440-203322-24

Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		3.5	ug/Kg		02/15/18 09:10	02/15/18 17:16	1
1,1,1-Trichloroethane	ND		1.4	ug/Kg		02/15/18 09:10	02/15/18 17:16	1
1,1,2,2-Tetrachloroethane	ND		1.4	ug/Kg		02/15/18 09:10	02/15/18 17:16	1
1,1,2-Trichloroethane	ND		1.4	ug/Kg		02/15/18 09:10	02/15/18 17:16	1
1,1-Dichloroethane	ND		1.4	ug/Kg		02/15/18 09:10	02/15/18 17:16	1
1,1-Dichloroethene	ND		3.5	ug/Kg		02/15/18 09:10	02/15/18 17:16	1
1,1-Dichloropropene	ND		1.4	ug/Kg		02/15/18 09:10	02/15/18 17:16	1
1,2,3-Trichlorobenzene	ND		3.5	ug/Kg		02/15/18 09:10	02/15/18 17:16	1
1,2,3-Trichloropropane	ND		7.1	ug/Kg		02/15/18 09:10	02/15/18 17:16	1
1,2,4-Trichlorobenzene	ND		3.5	ug/Kg		02/15/18 09:10	02/15/18 17:16	1
1,2,4-Trimethylbenzene	ND		1.4	ug/Kg		02/15/18 09:10	02/15/18 17:16	1
1,2-Dibromo-3-Chloropropane	ND		3.5	ug/Kg		02/15/18 09:10	02/15/18 17:16	1
1,2-Dibromoethane (EDB)	ND		1.4	ug/Kg		02/15/18 09:10	02/15/18 17:16	1
1,2-Dichlorobenzene	ND		1.4	ug/Kg		02/15/18 09:10	02/15/18 17:16	1
1,2-Dichloroethane	ND		1.4	ug/Kg		02/15/18 09:10	02/15/18 17:16	1
1,2-Dichloropropane	ND		1.4	ug/Kg		02/15/18 09:10	02/15/18 17:16	1
1,3,5-Trimethylbenzene	ND		1.4	ug/Kg		02/15/18 09:10	02/15/18 17:16	1
1,3-Dichlorobenzene	ND		1.4	ug/Kg		02/15/18 09:10	02/15/18 17:16	1
1,3-Dichloropropane	ND		1.4	ug/Kg		02/15/18 09:10	02/15/18 17:16	1
1,4-Dichlorobenzene	ND		1.4	ug/Kg		02/15/18 09:10	02/15/18 17:16	1
2,2-Dichloropropane	ND		1.4	ug/Kg		02/15/18 09:10	02/15/18 17:16	1
2-Chlorotoluene	ND		3.5	ug/Kg		02/15/18 09:10	02/15/18 17:16	1

TestAmerica Irvine

Client Sample Results

Client: Ramboll US Corporation
Project/Site: Arroyo

TestAmerica Job ID: 440-203322-1

Client Sample ID: SB-7-10

Lab Sample ID: 440-203322-24

Date Collected: 02/13/18 12:30

Matrix: Solid

Date Received: 02/13/18 18:45

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chlorotoluene	ND		3.5	ug/Kg		02/15/18 09:10	02/15/18 17:16	1
Benzene	ND		1.4	ug/Kg		02/15/18 09:10	02/15/18 17:16	1
Bromobenzene	ND		3.5	ug/Kg		02/15/18 09:10	02/15/18 17:16	1
Bromochloromethane	ND		3.5	ug/Kg		02/15/18 09:10	02/15/18 17:16	1
Bromodichloromethane	ND		1.4	ug/Kg		02/15/18 09:10	02/15/18 17:16	1
Bromoform	ND		3.5	ug/Kg		02/15/18 09:10	02/15/18 17:16	1
Bromomethane	ND		3.5	ug/Kg		02/15/18 09:10	02/15/18 17:16	1
Carbon tetrachloride	ND		3.5	ug/Kg		02/15/18 09:10	02/15/18 17:16	1
Chlorobenzene	ND		1.4	ug/Kg		02/15/18 09:10	02/15/18 17:16	1
Chloroethane	ND		3.5	ug/Kg		02/15/18 09:10	02/15/18 17:16	1
Chloroform	ND		1.4	ug/Kg		02/15/18 09:10	02/15/18 17:16	1
Chloromethane	ND		3.5	ug/Kg		02/15/18 09:10	02/15/18 17:16	1
cis-1,2-Dichloroethene	ND		1.4	ug/Kg		02/15/18 09:10	02/15/18 17:16	1
cis-1,3-Dichloropropene	ND		1.4	ug/Kg		02/15/18 09:10	02/15/18 17:16	1
Dibromochloromethane	ND		1.4	ug/Kg		02/15/18 09:10	02/15/18 17:16	1
Dibromomethane	ND		1.4	ug/Kg		02/15/18 09:10	02/15/18 17:16	1
Dichlorodifluoromethane	ND		3.5	ug/Kg		02/15/18 09:10	02/15/18 17:16	1
Ethylbenzene	ND		1.4	ug/Kg		02/15/18 09:10	02/15/18 17:16	1
Hexachlorobutadiene	ND		3.5	ug/Kg		02/15/18 09:10	02/15/18 17:16	1
Isopropylbenzene	ND		1.4	ug/Kg		02/15/18 09:10	02/15/18 17:16	1
m,p-Xylene	ND		2.8	ug/Kg		02/15/18 09:10	02/15/18 17:16	1
Methylene Chloride	ND		14	ug/Kg		02/15/18 09:10	02/15/18 17:16	1
Methyl-t-Butyl Ether (MTBE)	ND		3.5	ug/Kg		02/15/18 09:10	02/15/18 17:16	1
Naphthalene	ND		3.5	ug/Kg		02/15/18 09:10	02/15/18 17:16	1
n-Butylbenzene	ND		3.5	ug/Kg		02/15/18 09:10	02/15/18 17:16	1
N-Propylbenzene	ND		1.4	ug/Kg		02/15/18 09:10	02/15/18 17:16	1
o-Xylene	ND		1.4	ug/Kg		02/15/18 09:10	02/15/18 17:16	1
sec-Butylbenzene	ND		3.5	ug/Kg		02/15/18 09:10	02/15/18 17:16	1
Styrene	ND		1.4	ug/Kg		02/15/18 09:10	02/15/18 17:16	1
Tert-amyl-methyl ether (TAME)	ND		3.5	ug/Kg		02/15/18 09:10	02/15/18 17:16	1
tert-Butylbenzene	ND		3.5	ug/Kg		02/15/18 09:10	02/15/18 17:16	1
Tetrachloroethene	ND		1.4	ug/Kg		02/15/18 09:10	02/15/18 17:16	1
Toluene	ND		1.4	ug/Kg		02/15/18 09:10	02/15/18 17:16	1
trans-1,2-Dichloroethene	ND		1.4	ug/Kg		02/15/18 09:10	02/15/18 17:16	1
trans-1,3-Dichloropropene	ND		1.4	ug/Kg		02/15/18 09:10	02/15/18 17:16	1
Trichloroethene	ND		1.4	ug/Kg		02/15/18 09:10	02/15/18 17:16	1
Trichlorofluoromethane	ND		3.5	ug/Kg		02/15/18 09:10	02/15/18 17:16	1
Vinyl chloride	ND		3.5	ug/Kg		02/15/18 09:10	02/15/18 17:16	1
Xylenes, Total	ND		2.8	ug/Kg		02/15/18 09:10	02/15/18 17:16	1
Isopropyl Ether (DIPE)	ND		3.5	ug/Kg		02/15/18 09:10	02/15/18 17:16	1
Ethyl-t-butyl ether (ETBE)	ND		3.5	ug/Kg		02/15/18 09:10	02/15/18 17:16	1
tert-Butyl alcohol (TBA)	ND		71	ug/Kg		02/15/18 09:10	02/15/18 17:16	1
p-Isopropyltoluene	ND		1.4	ug/Kg		02/15/18 09:10	02/15/18 17:16	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	108		79 - 123			02/15/18 09:10	02/15/18 17:16	1
4-Bromofluorobenzene (Surr)	106		79 - 120			02/15/18 09:10	02/15/18 17:16	1
Dibromofluoromethane (Surr)	115		60 - 120			02/15/18 09:10	02/15/18 17:16	1

TestAmerica Irvine

Client Sample Results

Client: Ramboll US Corporation
Project/Site: Arroyo

TestAmerica Job ID: 440-203322-1

Client Sample ID: SB-7-10

Date Collected: 02/13/18 12:30

Date Received: 02/13/18 18:45

Lab Sample ID: 440-203322-24

Matrix: Solid

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	ND		320	ug/Kg		02/16/18 15:44	02/17/18 09:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	80		65 - 140	02/16/18 15:44	02/17/18 09:28	1

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C13-C23)	ND		5.0	mg/Kg		02/14/18 18:47	02/15/18 09:12	1

ORO C24-C40	5.2	B	5.0	mg/Kg		02/14/18 18:47	02/15/18 09:12	1
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Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Octacosane	60		40 - 140	02/14/18 18:47	02/15/18 09:12	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	4.5		2.0	mg/Kg		02/16/18 08:44	02/17/18 17:22	5

Client Sample ID: SB-7-15

Date Collected: 02/13/18 12:40

Date Received: 02/13/18 18:45

Lab Sample ID: 440-203322-25

Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		3.4	ug/Kg		02/15/18 09:10	02/15/18 17:45	1
1,1,1-Trichloroethane	ND		1.4	ug/Kg		02/15/18 09:10	02/15/18 17:45	1
1,1,2,2-Tetrachloroethane	ND		1.4	ug/Kg		02/15/18 09:10	02/15/18 17:45	1
1,1,2-Trichloroethane	ND		1.4	ug/Kg		02/15/18 09:10	02/15/18 17:45	1
1,1-Dichloroethane	ND		1.4	ug/Kg		02/15/18 09:10	02/15/18 17:45	1
1,1-Dichloroethene	ND		3.4	ug/Kg		02/15/18 09:10	02/15/18 17:45	1
1,1-Dichloropropene	ND		1.4	ug/Kg		02/15/18 09:10	02/15/18 17:45	1
1,2,3-Trichlorobenzene	ND		3.4	ug/Kg		02/15/18 09:10	02/15/18 17:45	1
1,2,3-Trichloropropane	ND		6.9	ug/Kg		02/15/18 09:10	02/15/18 17:45	1
1,2,4-Trichlorobenzene	ND		3.4	ug/Kg		02/15/18 09:10	02/15/18 17:45	1
1,2,4-Trimethylbenzene	ND		1.4	ug/Kg		02/15/18 09:10	02/15/18 17:45	1
1,2-Dibromo-3-Chloropropane	ND		3.4	ug/Kg		02/15/18 09:10	02/15/18 17:45	1
1,2-Dibromoethane (EDB)	ND		1.4	ug/Kg		02/15/18 09:10	02/15/18 17:45	1
1,2-Dichlorobenzene	ND		1.4	ug/Kg		02/15/18 09:10	02/15/18 17:45	1
1,2-Dichloroethane	ND		1.4	ug/Kg		02/15/18 09:10	02/15/18 17:45	1
1,2-Dichloropropane	ND		1.4	ug/Kg		02/15/18 09:10	02/15/18 17:45	1
1,3,5-Trimethylbenzene	ND		1.4	ug/Kg		02/15/18 09:10	02/15/18 17:45	1
1,3-Dichlorobenzene	ND		1.4	ug/Kg		02/15/18 09:10	02/15/18 17:45	1
1,3-Dichloropropane	ND		1.4	ug/Kg		02/15/18 09:10	02/15/18 17:45	1
1,4-Dichlorobenzene	ND		1.4	ug/Kg		02/15/18 09:10	02/15/18 17:45	1
2,2-Dichloropropane	ND		1.4	ug/Kg		02/15/18 09:10	02/15/18 17:45	1
2-Chlorotoluene	ND		3.4	ug/Kg		02/15/18 09:10	02/15/18 17:45	1
4-Chlorotoluene	ND		3.4	ug/Kg		02/15/18 09:10	02/15/18 17:45	1
Benzene	ND		1.4	ug/Kg		02/15/18 09:10	02/15/18 17:45	1
Bromobenzene	ND		3.4	ug/Kg		02/15/18 09:10	02/15/18 17:45	1
Bromochloromethane	ND		3.4	ug/Kg		02/15/18 09:10	02/15/18 17:45	1
Bromodichloromethane	ND		1.4	ug/Kg		02/15/18 09:10	02/15/18 17:45	1
Bromoform	ND		3.4	ug/Kg		02/15/18 09:10	02/15/18 17:45	1

TestAmerica Irvine

Client Sample Results

Client: Ramboll US Corporation
Project/Site: Arroyo

TestAmerica Job ID: 440-203322-1

Client Sample ID: SB-7-15

Date Collected: 02/13/18 12:40

Date Received: 02/13/18 18:45

Lab Sample ID: 440-203322-25

Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Bromomethane	ND		3.4	ug/Kg		02/15/18 09:10	02/15/18 17:45	1
Carbon tetrachloride	ND		3.4	ug/Kg		02/15/18 09:10	02/15/18 17:45	1
Chlorobenzene	ND		1.4	ug/Kg		02/15/18 09:10	02/15/18 17:45	1
Chloroethane	ND		3.4	ug/Kg		02/15/18 09:10	02/15/18 17:45	1
Chloroform	ND		1.4	ug/Kg		02/15/18 09:10	02/15/18 17:45	1
Chloromethane	ND		3.4	ug/Kg		02/15/18 09:10	02/15/18 17:45	1
cis-1,2-Dichloroethene	ND		1.4	ug/Kg		02/15/18 09:10	02/15/18 17:45	1
cis-1,3-Dichloropropene	ND		1.4	ug/Kg		02/15/18 09:10	02/15/18 17:45	1
Dibromochloromethane	ND		1.4	ug/Kg		02/15/18 09:10	02/15/18 17:45	1
Dibromomethane	ND		1.4	ug/Kg		02/15/18 09:10	02/15/18 17:45	1
Dichlorodifluoromethane	ND		3.4	ug/Kg		02/15/18 09:10	02/15/18 17:45	1
Ethylbenzene	ND		1.4	ug/Kg		02/15/18 09:10	02/15/18 17:45	1
Hexachlorobutadiene	ND		3.4	ug/Kg		02/15/18 09:10	02/15/18 17:45	1
Isopropylbenzene	ND		1.4	ug/Kg		02/15/18 09:10	02/15/18 17:45	1
m,p-Xylene	ND		2.8	ug/Kg		02/15/18 09:10	02/15/18 17:45	1
Methylene Chloride	ND		14	ug/Kg		02/15/18 09:10	02/15/18 17:45	1
Methyl-t-Butyl Ether (MTBE)	ND		3.4	ug/Kg		02/15/18 09:10	02/15/18 17:45	1
Naphthalene	ND		3.4	ug/Kg		02/15/18 09:10	02/15/18 17:45	1
n-Butylbenzene	ND		3.4	ug/Kg		02/15/18 09:10	02/15/18 17:45	1
N-Propylbenzene	ND		1.4	ug/Kg		02/15/18 09:10	02/15/18 17:45	1
o-Xylene	ND		1.4	ug/Kg		02/15/18 09:10	02/15/18 17:45	1
sec-Butylbenzene	ND		3.4	ug/Kg		02/15/18 09:10	02/15/18 17:45	1
Styrene	ND		1.4	ug/Kg		02/15/18 09:10	02/15/18 17:45	1
Tert-amyl-methyl ether (TAME)	ND		3.4	ug/Kg		02/15/18 09:10	02/15/18 17:45	1
tert-Butylbenzene	ND		3.4	ug/Kg		02/15/18 09:10	02/15/18 17:45	1
Tetrachloroethene	ND		1.4	ug/Kg		02/15/18 09:10	02/15/18 17:45	1
Toluene	ND		1.4	ug/Kg		02/15/18 09:10	02/15/18 17:45	1
trans-1,2-Dichloroethene	ND		1.4	ug/Kg		02/15/18 09:10	02/15/18 17:45	1
trans-1,3-Dichloropropene	ND		1.4	ug/Kg		02/15/18 09:10	02/15/18 17:45	1
Trichloroethene	ND		1.4	ug/Kg		02/15/18 09:10	02/15/18 17:45	1
Trichlorofluoromethane	ND		3.4	ug/Kg		02/15/18 09:10	02/15/18 17:45	1
Vinyl chloride	ND		3.4	ug/Kg		02/15/18 09:10	02/15/18 17:45	1
Xylenes, Total	ND		2.8	ug/Kg		02/15/18 09:10	02/15/18 17:45	1
Isopropyl Ether (DIPE)	ND		3.4	ug/Kg		02/15/18 09:10	02/15/18 17:45	1
Ethyl-t-butyl ether (ETBE)	ND		3.4	ug/Kg		02/15/18 09:10	02/15/18 17:45	1
tert-Butyl alcohol (TBA)	ND		69	ug/Kg		02/15/18 09:10	02/15/18 17:45	1
p-Isopropyltoluene	ND		1.4	ug/Kg		02/15/18 09:10	02/15/18 17:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	111		79 - 123	02/15/18 09:10	02/15/18 17:45	1
4-Bromofluorobenzene (Surr)	112		79 - 120	02/15/18 09:10	02/15/18 17:45	1
Dibromofluoromethane (Surr)	115		60 - 120	02/15/18 09:10	02/15/18 17:45	1

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	ND		340	ug/Kg		02/17/18 10:49	02/17/18 16:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		65 - 140	02/17/18 10:49	02/17/18 16:35	1

TestAmerica Irvine

Client Sample Results

Client: Ramboll US Corporation
Project/Site: Arroyo

TestAmerica Job ID: 440-203322-1

Client Sample ID: SB-7-15

Date Collected: 02/13/18 12:40

Date Received: 02/13/18 18:45

Lab Sample ID: 440-203322-25

Matrix: Solid

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C13-C23)	ND		4.8	mg/Kg		02/14/18 18:47	02/15/18 09:32	1
ORO C24-C40	ND		4.8	mg/Kg		02/14/18 18:47	02/15/18 09:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
n-Octacosane	82		40 - 140			02/14/18 18:47	02/15/18 09:32	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	4.5		2.0	mg/Kg		02/16/18 08:44	02/17/18 17:24	5

Client Sample ID: SB-7-20

Date Collected: 02/13/18 12:45

Date Received: 02/13/18 18:45

Lab Sample ID: 440-203322-26

Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		3.6	ug/Kg		02/15/18 09:10	02/15/18 18:15	1
1,1,1-Trichloroethane	ND		1.5	ug/Kg		02/15/18 09:10	02/15/18 18:15	1
1,1,2,2-Tetrachloroethane	ND		1.5	ug/Kg		02/15/18 09:10	02/15/18 18:15	1
1,1,2-Trichloroethane	ND		1.5	ug/Kg		02/15/18 09:10	02/15/18 18:15	1
1,1-Dichloroethane	ND		1.5	ug/Kg		02/15/18 09:10	02/15/18 18:15	1
1,1-Dichloroethene	ND		3.6	ug/Kg		02/15/18 09:10	02/15/18 18:15	1
1,1-Dichloropropene	ND		1.5	ug/Kg		02/15/18 09:10	02/15/18 18:15	1
1,2,3-Trichlorobenzene	ND		3.6	ug/Kg		02/15/18 09:10	02/15/18 18:15	1
1,2,3-Trichloropropane	ND		7.3	ug/Kg		02/15/18 09:10	02/15/18 18:15	1
1,2,4-Trichlorobenzene	ND		3.6	ug/Kg		02/15/18 09:10	02/15/18 18:15	1
1,2,4-Trimethylbenzene	ND		1.5	ug/Kg		02/15/18 09:10	02/15/18 18:15	1
1,2-Dibromo-3-Chloropropane	ND		3.6	ug/Kg		02/15/18 09:10	02/15/18 18:15	1
1,2-Dibromoethane (EDB)	ND		1.5	ug/Kg		02/15/18 09:10	02/15/18 18:15	1
1,2-Dichlorobenzene	ND		1.5	ug/Kg		02/15/18 09:10	02/15/18 18:15	1
1,2-Dichloroethane	ND		1.5	ug/Kg		02/15/18 09:10	02/15/18 18:15	1
1,2-Dichloropropane	ND		1.5	ug/Kg		02/15/18 09:10	02/15/18 18:15	1
1,3,5-Trimethylbenzene	ND		1.5	ug/Kg		02/15/18 09:10	02/15/18 18:15	1
1,3-Dichlorobenzene	ND		1.5	ug/Kg		02/15/18 09:10	02/15/18 18:15	1
1,3-Dichloropropane	ND		1.5	ug/Kg		02/15/18 09:10	02/15/18 18:15	1
1,4-Dichlorobenzene	ND		1.5	ug/Kg		02/15/18 09:10	02/15/18 18:15	1
2,2-Dichloropropane	ND		1.5	ug/Kg		02/15/18 09:10	02/15/18 18:15	1
2-Chlorotoluene	ND		3.6	ug/Kg		02/15/18 09:10	02/15/18 18:15	1
4-Chlorotoluene	ND		3.6	ug/Kg		02/15/18 09:10	02/15/18 18:15	1
Benzene	ND		1.5	ug/Kg		02/15/18 09:10	02/15/18 18:15	1
Bromobenzene	ND		3.6	ug/Kg		02/15/18 09:10	02/15/18 18:15	1
Bromochloromethane	ND		3.6	ug/Kg		02/15/18 09:10	02/15/18 18:15	1
Bromodichloromethane	ND		1.5	ug/Kg		02/15/18 09:10	02/15/18 18:15	1
Bromoform	ND		3.6	ug/Kg		02/15/18 09:10	02/15/18 18:15	1
Bromomethane	ND		3.6	ug/Kg		02/15/18 09:10	02/15/18 18:15	1
Carbon tetrachloride	ND		3.6	ug/Kg		02/15/18 09:10	02/15/18 18:15	1
Chlorobenzene	ND		1.5	ug/Kg		02/15/18 09:10	02/15/18 18:15	1
Chloroethane	ND		3.6	ug/Kg		02/15/18 09:10	02/15/18 18:15	1
Chloroform	ND		1.5	ug/Kg		02/15/18 09:10	02/15/18 18:15	1
Chloromethane	ND		3.6	ug/Kg		02/15/18 09:10	02/15/18 18:15	1

TestAmerica Irvine

Client Sample Results

Client: Ramboll US Corporation
Project/Site: Arroyo

TestAmerica Job ID: 440-203322-1

Client Sample ID: SB-7-20

Date Collected: 02/13/18 12:45

Date Received: 02/13/18 18:45

Lab Sample ID: 440-203322-26

Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND		1.5	ug/Kg		02/15/18 09:10	02/15/18 18:15	1
cis-1,3-Dichloropropene	ND		1.5	ug/Kg		02/15/18 09:10	02/15/18 18:15	1
Dibromochloromethane	ND		1.5	ug/Kg		02/15/18 09:10	02/15/18 18:15	1
Dibromomethane	ND		1.5	ug/Kg		02/15/18 09:10	02/15/18 18:15	1
Dichlorodifluoromethane	ND		3.6	ug/Kg		02/15/18 09:10	02/15/18 18:15	1
Ethylbenzene	ND		1.5	ug/Kg		02/15/18 09:10	02/15/18 18:15	1
Hexachlorobutadiene	ND		3.6	ug/Kg		02/15/18 09:10	02/15/18 18:15	1
Isopropylbenzene	ND		1.5	ug/Kg		02/15/18 09:10	02/15/18 18:15	1
m,p-Xylene	ND		2.9	ug/Kg		02/15/18 09:10	02/15/18 18:15	1
Methylene Chloride	ND		15	ug/Kg		02/15/18 09:10	02/15/18 18:15	1
Methyl-t-Butyl Ether (MTBE)	ND		3.6	ug/Kg		02/15/18 09:10	02/15/18 18:15	1
Naphthalene	ND		3.6	ug/Kg		02/15/18 09:10	02/15/18 18:15	1
n-Butylbenzene	ND		3.6	ug/Kg		02/15/18 09:10	02/15/18 18:15	1
N-Propylbenzene	ND		1.5	ug/Kg		02/15/18 09:10	02/15/18 18:15	1
o-Xylene	ND		1.5	ug/Kg		02/15/18 09:10	02/15/18 18:15	1
sec-Butylbenzene	ND		3.6	ug/Kg		02/15/18 09:10	02/15/18 18:15	1
Styrene	ND		1.5	ug/Kg		02/15/18 09:10	02/15/18 18:15	1
Tert-amyl-methyl ether (TAME)	ND		3.6	ug/Kg		02/15/18 09:10	02/15/18 18:15	1
tert-Butylbenzene	ND		3.6	ug/Kg		02/15/18 09:10	02/15/18 18:15	1
Tetrachloroethene	ND		1.5	ug/Kg		02/15/18 09:10	02/15/18 18:15	1
Toluene	ND		1.5	ug/Kg		02/15/18 09:10	02/15/18 18:15	1
trans-1,2-Dichloroethene	ND		1.5	ug/Kg		02/15/18 09:10	02/15/18 18:15	1
trans-1,3-Dichloropropene	ND		1.5	ug/Kg		02/15/18 09:10	02/15/18 18:15	1
Trichloroethene	ND		1.5	ug/Kg		02/15/18 09:10	02/15/18 18:15	1
Trichlorofluoromethane	ND		3.6	ug/Kg		02/15/18 09:10	02/15/18 18:15	1
Vinyl chloride	ND		3.6	ug/Kg		02/15/18 09:10	02/15/18 18:15	1
Xylenes, Total	ND		2.9	ug/Kg		02/15/18 09:10	02/15/18 18:15	1
Isopropyl Ether (DIPE)	ND		3.6	ug/Kg		02/15/18 09:10	02/15/18 18:15	1
Ethyl-t-butyl ether (ETBE)	ND		3.6	ug/Kg		02/15/18 09:10	02/15/18 18:15	1
tert-Butyl alcohol (TBA)	ND		73	ug/Kg		02/15/18 09:10	02/15/18 18:15	1
p-Isopropyltoluene	ND		1.5	ug/Kg		02/15/18 09:10	02/15/18 18:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	108		79 - 123	02/15/18 09:10	02/15/18 18:15	1
4-Bromofluorobenzene (Surr)	108		79 - 120	02/15/18 09:10	02/15/18 18:15	1
Dibromofluoromethane (Surr)	114		60 - 120	02/15/18 09:10	02/15/18 18:15	1

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	ND		290	ug/Kg		02/16/18 15:44	02/17/18 10:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	72		65 - 140	02/16/18 15:44	02/17/18 10:26	1

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C13-C23)	ND		4.9	mg/Kg		02/14/18 18:47	02/15/18 09:52	1
ORO C24-C40	5.2	B	4.9	mg/Kg		02/14/18 18:47	02/15/18 09:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Octacosane	59		40 - 140	02/14/18 18:47	02/15/18 09:52	1

TestAmerica Irvine

Client Sample Results

Client: Ramboll US Corporation
Project/Site: Arroyo

TestAmerica Job ID: 440-203322-1

Method: 6010B - Metals (ICP)

Analyte

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	10		2.0	mg/Kg		02/16/18 08:44	02/17/18 17:27	5

1

2

3

4

5

6

7

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9

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13

Method Summary

Client: Ramboll US Corporation
Project/Site: Arroyo

TestAmerica Job ID: 440-203322-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL IRV
8015B	Gasoline Range Organics - (GC)	SW846	TAL IRV
8015B	Diesel Range Organics (DRO) (GC)	SW846	TAL IRV
6010B	Metals (ICP)	SW846	TAL IRV

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL IRV = TestAmerica Irvine, 17461 Derian Ave, Suite 100, Irvine, CA 92614-5817, TEL (949)261-1022

Lab Chronicle

Client: Ramboll US Corporation
Project/Site: Arroyo

TestAmerica Job ID: 440-203322-1

Client Sample ID: SB-6-5
Date Collected: 02/13/18 08:45
Date Received: 02/13/18 18:45

Lab Sample ID: 440-203322-19
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.54 g	10 mL	457679	02/15/18 09:10	HR	TAL IRV
Total/NA	Analysis	8260B		1	10 mL	10 mL	457637	02/15/18 09:58	TCN	TAL IRV
Total/NA	Prep	5035			2.71 g	10 mL	458352	02/19/18 10:41	IM	TAL IRV
Total/NA	Analysis	8015B		1	10 mL	10 mL	458285	02/19/18 12:02	IM	TAL IRV
Total/NA	Prep	3546			15.38 g	1 mL	457578	02/14/18 19:13	VA	TAL IRV
Total/NA	Analysis	8015B		1			457407	02/15/18 09:32	AMH	TAL IRV
Total/NA	Prep	3050B			2.02 g	50 mL	457937	02/16/18 08:42	DT	TAL IRV
Total/NA	Analysis	6010B		5			458096	02/16/18 19:01	K1E	TAL IRV

Client Sample ID: SB-6-10
Date Collected: 02/13/18 09:00
Date Received: 02/13/18 18:45

Lab Sample ID: 440-203322-20
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.14 g	10 mL	457679	02/15/18 09:10	HR	TAL IRV
Total/NA	Analysis	8260B		1	10 mL	10 mL	457637	02/15/18 10:27	TCN	TAL IRV
Total/NA	Prep	5035			4.11 g	10 mL	458352	02/19/18 10:41	IM	TAL IRV
Total/NA	Analysis	8015B		1	10 mL	10 mL	458285	02/19/18 12:31	IM	TAL IRV
Total/NA	Prep	3546			15.13 g	1 mL	457578	02/14/18 19:13	VA	TAL IRV
Total/NA	Analysis	8015B		1			457407	02/15/18 09:52	AMH	TAL IRV
Total/NA	Prep	3050B			2.01 g	50 mL	457938	02/16/18 08:44	DT	TAL IRV
Total/NA	Analysis	6010B		5			458218	02/17/18 16:56	VS	TAL IRV

Client Sample ID: SB-6-15
Date Collected: 02/13/18 11:50
Date Received: 02/13/18 18:45

Lab Sample ID: 440-203322-21
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.77 g	10 mL	457679	02/15/18 09:10	HR	TAL IRV
Total/NA	Analysis	8260B		1	10 mL	10 mL	457637	02/15/18 15:49	TCN	TAL IRV
Total/NA	Prep	5035			6.45 g	10 mL	458352	02/19/18 10:41	IM	TAL IRV
Total/NA	Analysis	8015B		1	10 mL	10 mL	458285	02/19/18 13:00	IM	TAL IRV
Total/NA	Prep	3546			15.22 g	1 mL	457571	02/14/18 18:47	VA	TAL IRV
Total/NA	Analysis	8015B		1			457450	02/15/18 08:11	AMH	TAL IRV
Total/NA	Prep	3050B			2.00 g	50 mL	457938	02/16/18 08:44	DT	TAL IRV
Total/NA	Analysis	6010B		5			458218	02/17/18 17:09	VS	TAL IRV

Client Sample ID: SB-6-20
Date Collected: 02/13/18 12:00
Date Received: 02/13/18 18:45

Lab Sample ID: 440-203322-22
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.61 g	10 mL	457679	02/15/18 09:10	HR	TAL IRV

TestAmerica Irvine

Lab Chronicle

Client: Ramboll US Corporation
Project/Site: Arroyo

TestAmerica Job ID: 440-203322-1

Client Sample ID: SB-6-20

Date Collected: 02/13/18 12:00

Date Received: 02/13/18 18:45

Lab Sample ID: 440-203322-22

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	10 mL	10 mL	457637	02/15/18 16:17	TCN	TAL IRV
Total/NA	Prep	5035			5.88 g	10 mL	458352	02/19/18 10:41	IM	TAL IRV
Total/NA	Analysis	8015B		1	10 mL	10 mL	458285	02/19/18 13:29	IM	TAL IRV
Total/NA	Prep	3546			15.36 g	1 mL	457571	02/14/18 18:47	VA	TAL IRV
Total/NA	Analysis	8015B		1			457450	02/15/18 08:31	AMH	TAL IRV
Total/NA	Prep	3050B			2.01 g	50 mL	457938	02/16/18 08:44	DT	TAL IRV
Total/NA	Analysis	6010B		5			458218	02/17/18 17:11	VS	TAL IRV

Client Sample ID: SB-7-5

Date Collected: 02/13/18 12:20

Date Received: 02/13/18 18:45

Lab Sample ID: 440-203322-23

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.66 g	10 mL	457679	02/15/18 09:10	HR	TAL IRV
Total/NA	Analysis	8260B		1	10 mL	10 mL	457637	02/15/18 16:47	TCN	TAL IRV
Total/NA	Prep	5035			6.23 g	10 mL	458352	02/19/18 10:41	IM	TAL IRV
Total/NA	Analysis	8015B		1	10 mL	10 mL	458285	02/19/18 13:59	IM	TAL IRV
Total/NA	Prep	3546			15.18 g	1 mL	457571	02/14/18 18:47	VA	TAL IRV
Total/NA	Analysis	8015B		1			457450	02/15/18 08:51	AMH	TAL IRV
Total/NA	Prep	3050B			2.03 g	50 mL	457938	02/16/18 08:44	DT	TAL IRV
Total/NA	Analysis	6010B		5			458218	02/17/18 17:14	VS	TAL IRV

Client Sample ID: SB-7-10

Date Collected: 02/13/18 12:30

Date Received: 02/13/18 18:45

Lab Sample ID: 440-203322-24

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			7.06 g	10 mL	457679	02/15/18 09:10	HR	TAL IRV
Total/NA	Analysis	8260B		1	10 mL	10 mL	457637	02/15/18 17:16	TCN	TAL IRV
Total/NA	Prep	5035			6.24 g	10 mL	458065	02/16/18 15:44	KGL	TAL IRV
Total/NA	Analysis	8015B		1	10 mL	10 mL	458074	02/17/18 09:28	KGL	TAL IRV
Total/NA	Prep	3546			14.96 g	1 mL	457571	02/14/18 18:47	VA	TAL IRV
Total/NA	Analysis	8015B		1			457450	02/15/18 09:12	AMH	TAL IRV
Total/NA	Prep	3050B			2.01 g	50 mL	457938	02/16/18 08:44	DT	TAL IRV
Total/NA	Analysis	6010B		5			458218	02/17/18 17:22	VS	TAL IRV

Client Sample ID: SB-7-15

Date Collected: 02/13/18 12:40

Date Received: 02/13/18 18:45

Lab Sample ID: 440-203322-25

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			7.25 g	10 mL	457679	02/15/18 09:10	HR	TAL IRV
Total/NA	Analysis	8260B		1	10 mL	10 mL	457637	02/15/18 17:45	TCN	TAL IRV

TestAmerica Irvine

Lab Chronicle

Client: Ramboll US Corporation
Project/Site: Arroyo

TestAmerica Job ID: 440-203322-1

Client Sample ID: SB-7-15

Date Collected: 02/13/18 12:40

Date Received: 02/13/18 18:45

Lab Sample ID: 440-203322-25

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.81 g	10 mL	458184	02/17/18 10:49	KGL	TAL IRV
Total/NA	Analysis	8015B		1	10 mL	10 mL	458183	02/17/18 16:35	TCN	TAL IRV
Total/NA	Prep	3546			15.73 g	1 mL	457571	02/14/18 18:47	VA	TAL IRV
Total/NA	Analysis	8015B		1			457450	02/15/18 09:32	AMH	TAL IRV
Total/NA	Prep	3050B			2.02 g	50 mL	457938	02/16/18 08:44	DT	TAL IRV
Total/NA	Analysis	6010B		5			458218	02/17/18 17:24	VS	TAL IRV

Client Sample ID: SB-7-20

Date Collected: 02/13/18 12:45

Date Received: 02/13/18 18:45

Lab Sample ID: 440-203322-26

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.87 g	10 mL	457679	02/15/18 09:10	HR	TAL IRV
Total/NA	Analysis	8260B		1	10 mL	10 mL	457637	02/15/18 18:15	TCN	TAL IRV
Total/NA	Prep	5035			6.91 g	10 mL	458065	02/16/18 15:44	KGL	TAL IRV
Total/NA	Analysis	8015B		1	10 mL	10 mL	458074	02/17/18 10:26	KGL	TAL IRV
Total/NA	Prep	3546			15.28 g	1 mL	457571	02/14/18 18:47	VA	TAL IRV
Total/NA	Analysis	8015B		1			457450	02/15/18 09:52	AMH	TAL IRV
Total/NA	Prep	3050B			2.03 g	50 mL	457938	02/16/18 08:44	DT	TAL IRV
Total/NA	Analysis	6010B		5			458218	02/17/18 17:27	VS	TAL IRV

Laboratory References:

TAL IRV = TestAmerica Irvine, 17461 Derian Ave, Suite 100, Irvine, CA 92614-5817, TEL (949)261-1022

QC Sample Results

Client: Ramboll US Corporation
Project/Site: Arroyo

TestAmerica Job ID: 440-203322-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 440-457637/4

Matrix: Solid

Analysis Batch: 457637

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		5.0	ug/Kg			02/15/18 08:59	1
1,1,1-Trichloroethane	ND		2.0	ug/Kg			02/15/18 08:59	1
1,1,2,2-Tetrachloroethane	ND		2.0	ug/Kg			02/15/18 08:59	1
1,1,2-Trichloroethane	ND		2.0	ug/Kg			02/15/18 08:59	1
1,1-Dichloroethane	ND		2.0	ug/Kg			02/15/18 08:59	1
1,1-Dichloroethene	ND		5.0	ug/Kg			02/15/18 08:59	1
1,1-Dichloropropene	ND		2.0	ug/Kg			02/15/18 08:59	1
1,2,3-Trichlorobenzene	ND		5.0	ug/Kg			02/15/18 08:59	1
1,2,3-Trichloropropane	ND		10	ug/Kg			02/15/18 08:59	1
1,2,4-Trichlorobenzene	ND		5.0	ug/Kg			02/15/18 08:59	1
1,2,4-Trimethylbenzene	ND		2.0	ug/Kg			02/15/18 08:59	1
1,2-Dibromo-3-Chloropropane	ND		5.0	ug/Kg			02/15/18 08:59	1
1,2-Dibromoethane (EDB)	ND		2.0	ug/Kg			02/15/18 08:59	1
1,2-Dichlorobenzene	ND		2.0	ug/Kg			02/15/18 08:59	1
1,2-Dichloroethane	ND		2.0	ug/Kg			02/15/18 08:59	1
1,2-Dichloropropane	ND		2.0	ug/Kg			02/15/18 08:59	1
1,3,5-Trimethylbenzene	ND		2.0	ug/Kg			02/15/18 08:59	1
1,3-Dichlorobenzene	ND		2.0	ug/Kg			02/15/18 08:59	1
1,3-Dichloropropane	ND		2.0	ug/Kg			02/15/18 08:59	1
1,4-Dichlorobenzene	ND		2.0	ug/Kg			02/15/18 08:59	1
2,2-Dichloropropane	ND		2.0	ug/Kg			02/15/18 08:59	1
2-Chlorotoluene	ND		5.0	ug/Kg			02/15/18 08:59	1
4-Chlorotoluene	ND		5.0	ug/Kg			02/15/18 08:59	1
Benzene	ND		2.0	ug/Kg			02/15/18 08:59	1
Bromobenzene	ND		5.0	ug/Kg			02/15/18 08:59	1
Bromochloromethane	ND		5.0	ug/Kg			02/15/18 08:59	1
Bromodichloromethane	ND		2.0	ug/Kg			02/15/18 08:59	1
Bromoform	ND		5.0	ug/Kg			02/15/18 08:59	1
Bromomethane	ND		5.0	ug/Kg			02/15/18 08:59	1
Carbon tetrachloride	ND		5.0	ug/Kg			02/15/18 08:59	1
Chlorobenzene	ND		2.0	ug/Kg			02/15/18 08:59	1
Chloroethane	ND		5.0	ug/Kg			02/15/18 08:59	1
Chloroform	ND		2.0	ug/Kg			02/15/18 08:59	1
Chloromethane	ND		5.0	ug/Kg			02/15/18 08:59	1
cis-1,2-Dichloroethene	ND		2.0	ug/Kg			02/15/18 08:59	1
cis-1,3-Dichloropropene	ND		2.0	ug/Kg			02/15/18 08:59	1
Dibromochloromethane	ND		2.0	ug/Kg			02/15/18 08:59	1
Dibromomethane	ND		2.0	ug/Kg			02/15/18 08:59	1
Dichlorodifluoromethane	ND		5.0	ug/Kg			02/15/18 08:59	1
Ethylbenzene	ND		2.0	ug/Kg			02/15/18 08:59	1
Hexachlorobutadiene	ND		5.0	ug/Kg			02/15/18 08:59	1
Isopropylbenzene	ND		2.0	ug/Kg			02/15/18 08:59	1
m,p-Xylene	ND		4.0	ug/Kg			02/15/18 08:59	1
Methylene Chloride	ND		20	ug/Kg			02/15/18 08:59	1
Methyl-t-Butyl Ether (MTBE)	ND		5.0	ug/Kg			02/15/18 08:59	1
Naphthalene	ND		5.0	ug/Kg			02/15/18 08:59	1
n-Butylbenzene	ND		5.0	ug/Kg			02/15/18 08:59	1
N-Propylbenzene	ND		2.0	ug/Kg			02/15/18 08:59	1

TestAmerica Irvine

QC Sample Results

Client: Ramboll US Corporation
Project/Site: Arroyo

TestAmerica Job ID: 440-203322-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 440-457637/4

Matrix: Solid

Analysis Batch: 457637

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	ND		2.0	ug/Kg			02/15/18 08:59	1
sec-Butylbenzene	ND		5.0	ug/Kg			02/15/18 08:59	1
Styrene	ND		2.0	ug/Kg			02/15/18 08:59	1
Tert-amyl-methyl ether (TAME)	ND		5.0	ug/Kg			02/15/18 08:59	1
tert-Butylbenzene	ND		5.0	ug/Kg			02/15/18 08:59	1
Tetrachloroethene	ND		2.0	ug/Kg			02/15/18 08:59	1
Toluene	ND		2.0	ug/Kg			02/15/18 08:59	1
trans-1,2-Dichloroethene	ND		2.0	ug/Kg			02/15/18 08:59	1
trans-1,3-Dichloropropene	ND		2.0	ug/Kg			02/15/18 08:59	1
Trichloroethene	ND		2.0	ug/Kg			02/15/18 08:59	1
Trichlorofluoromethane	ND		5.0	ug/Kg			02/15/18 08:59	1
Vinyl chloride	ND		5.0	ug/Kg			02/15/18 08:59	1
Xylenes, Total	ND		4.0	ug/Kg			02/15/18 08:59	1
Isopropyl Ether (DIPE)	ND		5.0	ug/Kg			02/15/18 08:59	1
Ethyl-t-butyl ether (ETBE)	ND		5.0	ug/Kg			02/15/18 08:59	1
tert-Butyl alcohol (TBA)	ND		100	ug/Kg			02/15/18 08:59	1
p-Isopropyltoluene	ND		2.0	ug/Kg			02/15/18 08:59	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	110		79 - 123		02/15/18 08:59	1
4-Bromofluorobenzene (Surr)	106		79 - 120		02/15/18 08:59	1
Dibromofluoromethane (Surr)	106		60 - 120		02/15/18 08:59	1

Lab Sample ID: LCS 440-457637/5

Matrix: Solid

Analysis Batch: 457637

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	50.0	61.2		ug/Kg		122	70 - 130
1,1,1-Trichloroethane	50.0	58.5		ug/Kg		117	65 - 135
1,1,2,2-Tetrachloroethane	50.0	57.5		ug/Kg		115	55 - 140
1,1,2-Trichloroethane	50.0	55.9		ug/Kg		112	65 - 135
1,1-Dichloroethane	50.0	55.7		ug/Kg		111	70 - 130
1,1-Dichloroethene	50.0	54.8		ug/Kg		110	70 - 125
1,1-Dichloropropene	50.0	58.7		ug/Kg		117	70 - 130
1,2,3-Trichlorobenzene	50.0	57.0		ug/Kg		114	60 - 130
1,2,3-Trichloropropane	50.0	54.2		ug/Kg		108	60 - 135
1,2,4-Trichlorobenzene	50.0	56.5		ug/Kg		113	70 - 135
1,2,4-Trimethylbenzene	50.0	57.9		ug/Kg		116	70 - 125
1,2-Dibromo-3-Chloropropane	50.0	53.8		ug/Kg		108	50 - 135
1,2-Dibromoethane (EDB)	50.0	56.3		ug/Kg		113	70 - 130
1,2-Dichlorobenzene	50.0	57.5		ug/Kg		115	75 - 120
1,2-Dichloroethane	50.0	56.4		ug/Kg		113	60 - 140
1,2-Dichloropropane	50.0	55.4		ug/Kg		111	70 - 130
1,3,5-Trimethylbenzene	50.0	59.8		ug/Kg		120	70 - 125
1,3-Dichlorobenzene	50.0	57.4		ug/Kg		115	75 - 125
1,3-Dichloropropane	50.0	53.8		ug/Kg		108	70 - 125
1,4-Dichlorobenzene	50.0	57.5		ug/Kg		115	75 - 120

TestAmerica Irvine

QC Sample Results

Client: Ramboll US Corporation
Project/Site: Arroyo

TestAmerica Job ID: 440-203322-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 440-457637/5

Matrix: Solid

Analysis Batch: 457637

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,2-Dichloropropane	50.0	57.5		ug/Kg		115	60 - 145
2-Chlorotoluene	50.0	58.2		ug/Kg		116	70 - 125
4-Chlorotoluene	50.0	59.6		ug/Kg		119	75 - 125
Benzene	50.0	55.6		ug/Kg		111	65 - 120
Bromobenzene	50.0	55.1		ug/Kg		110	75 - 120
Bromochloromethane	50.0	55.2		ug/Kg		110	70 - 135
Bromodichloromethane	50.0	57.9		ug/Kg		116	70 - 135
Bromoform	50.0	58.9		ug/Kg		118	55 - 135
Bromomethane	50.0	54.8		ug/Kg		110	60 - 145
Carbon tetrachloride	50.0	63.1		ug/Kg		126	65 - 140
Chlorobenzene	50.0	55.2		ug/Kg		110	75 - 120
Chloroethane	50.0	55.5		ug/Kg		111	60 - 140
Chloroform	50.0	54.9		ug/Kg		110	70 - 130
Chloromethane	50.0	57.1		ug/Kg		114	45 - 145
cis-1,2-Dichloroethene	50.0	55.2		ug/Kg		110	70 - 125
cis-1,3-Dichloropropene	50.0	57.0		ug/Kg		114	75 - 125
Dibromochloromethane	50.0	60.4		ug/Kg		121	65 - 140
Dibromomethane	50.0	54.8		ug/Kg		110	70 - 130
Dichlorodifluoromethane	50.0	57.0		ug/Kg		114	35 - 160
Ethylbenzene	50.0	58.0		ug/Kg		116	70 - 125
Hexachlorobutadiene	50.0	56.5		ug/Kg		113	60 - 135
Isopropylbenzene	50.0	59.1		ug/Kg		118	75 - 130
m,p-Xylene	50.0	56.7		ug/Kg		113	70 - 125
Methylene Chloride	50.0	50.6		ug/Kg		101	55 - 135
Methyl-t-Butyl Ether (MTBE)	50.0	52.0		ug/Kg		104	60 - 140
Naphthalene	50.0	58.8		ug/Kg		118	55 - 135
n-Butylbenzene	50.0	62.8		ug/Kg		126	70 - 130
N-Propylbenzene	50.0	60.4		ug/Kg		121	70 - 130
o-Xylene	50.0	57.2		ug/Kg		114	70 - 125
sec-Butylbenzene	50.0	60.5		ug/Kg		121	70 - 125
Styrene	50.0	57.4		ug/Kg		115	75 - 130
Tert-amyl-methyl ether (TAME)	50.0	49.1		ug/Kg		98	60 - 145
tert-Butylbenzene	50.0	59.8		ug/Kg		120	70 - 125
Tetrachloroethene	50.0	57.7		ug/Kg		115	70 - 125
Toluene	50.0	57.1		ug/Kg		114	70 - 125
trans-1,2-Dichloroethene	50.0	57.9		ug/Kg		116	70 - 125
trans-1,3-Dichloropropene	50.0	56.3		ug/Kg		113	70 - 135
Trichloroethene	50.0	57.3		ug/Kg		115	70 - 125
Trichlorofluoromethane	50.0	59.5		ug/Kg		119	60 - 145
Vinyl chloride	50.0	59.0		ug/Kg		118	55 - 135
Isopropyl Ether (DIPE)	50.0	59.6		ug/Kg		119	60 - 140
Ethyl-t-butyl ether (ETBE)	50.0	53.6		ug/Kg		107	60 - 140
tert-Butyl alcohol (TBA)	500	635		ug/Kg		127	70 - 135
p-Isopropyltoluene	50.0	60.3		ug/Kg		121	75 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	107		79 - 123
4-Bromofluorobenzene (Surr)	104		79 - 120

TestAmerica Irvine

QC Sample Results

Client: Ramboll US Corporation
Project/Site: Arroyo

TestAmerica Job ID: 440-203322-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 440-457637/5

Matrix: Solid

Analysis Batch: 457637

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Dibromofluoromethane (Surr)	104		60 - 120

Lab Sample ID: 440-203217-B-44 MS

Matrix: Solid

Analysis Batch: 457637

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	ND		49.9	52.5		ug/Kg		105	65 - 145
1,1,1-Trichloroethane	ND		49.9	50.7		ug/Kg		102	65 - 145
1,1,2,2-Tetrachloroethane	ND	F2 F1	49.9	7.14	F1	ug/Kg		14	40 - 160
1,1,2-Trichloroethane	ND		49.9	50.1		ug/Kg		100	65 - 140
1,1-Dichloroethane	ND		49.9	48.6		ug/Kg		97	65 - 135
1,1-Dichloroethene	ND		49.9	47.9		ug/Kg		96	65 - 135
1,1-Dichloropropene	ND		49.9	50.5		ug/Kg		101	65 - 135
1,2,3-Trichlorobenzene	ND		49.9	46.6		ug/Kg		93	45 - 145
1,2,3-Trichloropropane	ND		49.9	50.0		ug/Kg		100	50 - 150
1,2,4-Trichlorobenzene	ND		49.9	45.0		ug/Kg		90	50 - 140
1,2,4-Trimethylbenzene	ND		49.9	48.5		ug/Kg		97	65 - 140
1,2-Dibromo-3-Chloropropane	ND		49.9	51.5		ug/Kg		103	40 - 150
1,2-Dibromoethane (EDB)	ND		49.9	50.9		ug/Kg		102	65 - 140
1,2-Dichlorobenzene	ND		49.9	49.4		ug/Kg		99	70 - 130
1,2-Dichloroethane	ND		49.9	51.5		ug/Kg		103	60 - 150
1,2-Dichloropropane	ND		49.9	49.3		ug/Kg		99	65 - 130
1,3,5-Trimethylbenzene	ND		49.9	49.3		ug/Kg		99	65 - 135
1,3-Dichlorobenzene	ND		49.9	48.3		ug/Kg		97	70 - 130
1,3-Dichloropropane	ND		49.9	49.1		ug/Kg		98	65 - 140
1,4-Dichlorobenzene	ND		49.9	48.9		ug/Kg		98	70 - 130
2,2-Dichloropropane	ND		49.9	51.6		ug/Kg		103	65 - 150
2-Chlorotoluene	ND		49.9	48.5		ug/Kg		97	60 - 135
4-Chlorotoluene	ND		49.9	49.4		ug/Kg		99	65 - 135
Benzene	ND		49.9	48.9		ug/Kg		98	65 - 130
Bromobenzene	ND		49.9	47.4		ug/Kg		95	65 - 140
Bromochloromethane	ND		49.9	50.2		ug/Kg		101	65 - 145
Bromodichloromethane	ND		49.9	52.6		ug/Kg		105	65 - 145
Bromoform	ND		49.9	53.4		ug/Kg		107	50 - 145
Bromomethane	ND		49.9	49.2		ug/Kg		99	60 - 155
Carbon tetrachloride	ND		49.9	54.3		ug/Kg		109	60 - 145
Chlorobenzene	ND		49.9	46.3		ug/Kg		93	70 - 130
Chloroethane	ND		49.9	49.5		ug/Kg		99	60 - 150
Chloroform	ND		49.9	48.4		ug/Kg		97	65 - 135
Chloromethane	ND		49.9	50.2		ug/Kg		101	40 - 145
cis-1,2-Dichloroethene	ND		49.9	48.1		ug/Kg		96	65 - 135
cis-1,3-Dichloropropene	ND		49.9	49.2		ug/Kg		99	70 - 135
Dibromochloromethane	ND		49.9	54.0		ug/Kg		108	60 - 145
Dibromomethane	ND		49.9	50.4		ug/Kg		101	65 - 140
Dichlorodifluoromethane	ND		49.9	54.5		ug/Kg		109	30 - 160
Ethylbenzene	ND		49.9	48.4		ug/Kg		97	70 - 135
Hexachlorobutadiene	ND		49.9	36.9		ug/Kg		74	50 - 145

TestAmerica Irvine

QC Sample Results

Client: Ramboll US Corporation
Project/Site: Arroyo

TestAmerica Job ID: 440-203322-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 440-203217-B-44 MS

Matrix: Solid

Analysis Batch: 457637

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Isopropylbenzene	ND		49.9	48.6		ug/Kg		97	70 - 145
m,p-Xylene	ND		49.9	47.2		ug/Kg		95	70 - 130
Methylene Chloride	ND		49.9	44.9		ug/Kg		90	55 - 145
Methyl-t-Butyl Ether (MTBE)	ND		49.9	47.9		ug/Kg		96	55 - 155
Naphthalene	ND		49.9	53.0		ug/Kg		106	40 - 150
n-Butylbenzene	ND		49.9	48.7		ug/Kg		98	55 - 145
N-Propylbenzene	ND		49.9	50.1		ug/Kg		100	65 - 140
o-Xylene	ND		49.9	48.1		ug/Kg		96	65 - 130
sec-Butylbenzene	ND		49.9	48.7		ug/Kg		98	60 - 135
Styrene	ND		49.9	48.5		ug/Kg		97	70 - 140
Tert-amyl-methyl ether (TAME)	ND		49.9	44.8		ug/Kg		90	60 - 150
tert-Butylbenzene	ND		49.9	48.6		ug/Kg		97	60 - 140
Tetrachloroethene	ND		49.9	47.8		ug/Kg		96	65 - 135
Toluene	ND		49.9	48.5		ug/Kg		97	70 - 130
trans-1,2-Dichloroethene	ND		49.9	50.7		ug/Kg		102	70 - 135
trans-1,3-Dichloropropene	ND		49.9	49.9		ug/Kg		100	60 - 145
Trichloroethene	ND	F1	49.9	86.6	F1	ug/Kg		174	65 - 140
Trichlorofluoromethane	ND		49.9	52.6		ug/Kg		105	55 - 155
Vinyl chloride	ND		49.9	53.4		ug/Kg		107	55 - 140
Isopropyl Ether (DIPE)	ND		49.9	52.5		ug/Kg		105	60 - 150
Ethyl-t-butyl ether (ETBE)	ND		49.9	48.5		ug/Kg		97	60 - 145
tert-Butyl alcohol (TBA)	ND		49.9	54.6		ug/Kg		110	65 - 145
p-Isopropyltoluene	ND		49.9	48.5		ug/Kg		97	60 - 140

Surrogate	MS %Recovery	MS Qualifier	Limits
Toluene-d8 (Surr)	104		79 - 123
4-Bromofluorobenzene (Surr)	105		79 - 120
Dibromofluoromethane (Surr)	77		60 - 120

Lab Sample ID: 440-203217-B-44 MSD

Matrix: Solid

Analysis Batch: 457637

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	ND		50.0	55.9		ug/Kg		112	65 - 145	6	20
1,1,1-Trichloroethane	ND		50.0	55.0		ug/Kg		110	65 - 145	8	20
1,1,2,2-Tetrachloroethane	ND	F2 F1	50.0	ND	F2 F1	ug/Kg		4	40 - 160	119	30
1,1,2-Trichloroethane	ND		50.0	52.0		ug/Kg		104	65 - 140	4	30
1,1-Dichloroethane	ND		50.0	53.2		ug/Kg		106	65 - 135	9	25
1,1-Dichloroethene	ND		50.0	52.8		ug/Kg		106	65 - 135	10	25
1,1-Dichloropropene	ND		50.0	55.5		ug/Kg		111	65 - 135	9	20
1,2,3-Trichlorobenzene	ND		50.0	49.5		ug/Kg		99	45 - 145	6	30
1,2,3-Trichloropropane	ND		50.0	55.7		ug/Kg		111	50 - 150	11	30
1,2,4-Trichlorobenzene	ND		50.0	48.2		ug/Kg		96	50 - 140	7	30
1,2,4-Trimethylbenzene	ND		50.0	52.4		ug/Kg		105	65 - 140	8	25
1,2-Dibromo-3-Chloropropane	ND		50.0	55.5		ug/Kg		111	40 - 150	7	30
1,2-Dibromoethane (EDB)	ND		50.0	53.6		ug/Kg		107	65 - 140	5	25
1,2-Dichlorobenzene	ND		50.0	52.7		ug/Kg		105	70 - 130	6	25

TestAmerica Irvine

QC Sample Results

Client: Ramboll US Corporation
Project/Site: Arroyo

TestAmerica Job ID: 440-203322-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 440-203217-B-44 MSD

Matrix: Solid

Analysis Batch: 457637

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dichloroethane	ND		50.0	55.1		ug/Kg		110	60 - 150	7	25
1,2-Dichloropropane	ND		50.0	53.1		ug/Kg		106	65 - 130	7	20
1,3,5-Trimethylbenzene	ND		50.0	54.1		ug/Kg		108	65 - 135	9	25
1,3-Dichlorobenzene	ND		50.0	52.2		ug/Kg		104	70 - 130	8	25
1,3-Dichloropropane	ND		50.0	51.6		ug/Kg		103	65 - 140	5	25
1,4-Dichlorobenzene	ND		50.0	52.4		ug/Kg		105	70 - 130	7	25
2,2-Dichloropropane	ND		50.0	55.0		ug/Kg		110	65 - 150	6	25
2-Chlorotoluene	ND		50.0	53.3		ug/Kg		107	60 - 135	9	25
4-Chlorotoluene	ND		50.0	54.8		ug/Kg		110	65 - 135	10	25
Benzene	ND		50.0	52.6		ug/Kg		105	65 - 130	7	20
Bromobenzene	ND		50.0	52.1		ug/Kg		104	65 - 140	9	25
Bromochloromethane	ND		50.0	54.3		ug/Kg		109	65 - 145	8	25
Bromodichloromethane	ND		50.0	56.2		ug/Kg		112	65 - 145	7	20
Bromoform	ND		50.0	55.7		ug/Kg		111	50 - 145	4	30
Bromomethane	ND		50.0	53.1		ug/Kg		106	60 - 155	8	25
Carbon tetrachloride	ND		50.0	59.9		ug/Kg		120	60 - 145	10	25
Chlorobenzene	ND		50.0	49.6		ug/Kg		99	70 - 130	7	25
Chloroethane	ND		50.0	53.6		ug/Kg		107	60 - 150	8	25
Chloroform	ND		50.0	52.9		ug/Kg		106	65 - 135	9	20
Chloromethane	ND		50.0	53.2		ug/Kg		106	40 - 145	6	25
cis-1,2-Dichloroethene	ND		50.0	52.9		ug/Kg		106	65 - 135	9	25
cis-1,3-Dichloropropene	ND		50.0	52.7		ug/Kg		105	70 - 135	7	25
Dibromochloromethane	ND		50.0	57.0		ug/Kg		114	60 - 145	6	25
Dibromomethane	ND		50.0	53.6		ug/Kg		107	65 - 140	6	25
Dichlorodifluoromethane	ND		50.0	59.5		ug/Kg		119	30 - 160	9	35
Ethylbenzene	ND		50.0	51.2		ug/Kg		102	70 - 135	6	25
Hexachlorobutadiene	ND		50.0	40.4		ug/Kg		81	50 - 145	9	35
Isopropylbenzene	ND		50.0	51.4		ug/Kg		103	70 - 145	6	25
m,p-Xylene	ND		50.0	50.2		ug/Kg		100	70 - 130	6	25
Methylene Chloride	ND		50.0	48.8		ug/Kg		98	55 - 145	8	25
Methyl-t-Butyl Ether (MTBE)	ND		50.0	52.1		ug/Kg		104	55 - 155	8	35
Naphthalene	ND		50.0	55.9		ug/Kg		112	40 - 150	5	40
n-Butylbenzene	ND		50.0	52.6		ug/Kg		105	55 - 145	8	30
N-Propylbenzene	ND		50.0	54.6		ug/Kg		109	65 - 140	9	25
o-Xylene	ND		50.0	50.7		ug/Kg		101	65 - 130	5	25
sec-Butylbenzene	ND		50.0	52.4		ug/Kg		105	60 - 135	7	25
Styrene	ND		50.0	51.5		ug/Kg		103	70 - 140	6	25
Tert-amyl-methyl ether (TAME)	ND		50.0	48.7		ug/Kg		97	60 - 150	8	25
tert-Butylbenzene	ND		50.0	53.4		ug/Kg		107	60 - 140	9	25
Tetrachloroethene	ND		50.0	50.9		ug/Kg		102	65 - 135	6	25
Toluene	ND		50.0	51.8		ug/Kg		104	70 - 130	7	20
trans-1,2-Dichloroethene	ND		50.0	54.2		ug/Kg		108	70 - 135	7	25
trans-1,3-Dichloropropene	ND		50.0	52.8		ug/Kg		106	60 - 145	6	25
Trichloroethene	ND	F1	50.0	95.7	F1	ug/Kg		191	65 - 140	10	25
Trichlorofluoromethane	ND		50.0	57.4		ug/Kg		115	55 - 155	9	25
Vinyl chloride	ND		50.0	58.7		ug/Kg		117	55 - 140	10	30
Isopropyl Ether (DIPE)	ND		50.0	57.5		ug/Kg		115	60 - 150	9	25
Ethyl-t-butyl ether (ETBE)	ND		50.0	52.5		ug/Kg		105	60 - 145	8	30

TestAmerica Irvine

QC Sample Results

Client: Ramboll US Corporation
Project/Site: Arroyo

TestAmerica Job ID: 440-203322-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 440-203217-B-44 MSD

Matrix: Solid

Analysis Batch: 457637

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
tert-Butyl alcohol (TBA)	ND		500	583		ug/Kg		117	65 - 145	7	30
p-Isopropyltoluene	ND		50.0	52.8		ug/Kg		106	60 - 140	8	25
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
Toluene-d8 (Surr)	103		79 - 123								
4-Bromofluorobenzene (Surr)	107		79 - 120								
Dibromofluoromethane (Surr)	62		60 - 120								

Lab Sample ID: MB 440-457641/4

Matrix: Solid

Analysis Batch: 457641

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		5.0	ug/Kg			02/15/18 08:36	1
1,1,1-Trichloroethane	ND		2.0	ug/Kg			02/15/18 08:36	1
1,1,2,2-Tetrachloroethane	ND		2.0	ug/Kg			02/15/18 08:36	1
1,1,2-Trichloroethane	ND		2.0	ug/Kg			02/15/18 08:36	1
1,1-Dichloroethane	ND		2.0	ug/Kg			02/15/18 08:36	1
1,1-Dichloroethene	ND		5.0	ug/Kg			02/15/18 08:36	1
1,1-Dichloropropene	ND		2.0	ug/Kg			02/15/18 08:36	1
1,2,3-Trichlorobenzene	ND		5.0	ug/Kg			02/15/18 08:36	1
1,2,3-Trichloropropane	ND		10	ug/Kg			02/15/18 08:36	1
1,2,4-Trichlorobenzene	ND		5.0	ug/Kg			02/15/18 08:36	1
1,2,4-Trimethylbenzene	ND		2.0	ug/Kg			02/15/18 08:36	1
1,2-Dibromo-3-Chloropropane	ND		5.0	ug/Kg			02/15/18 08:36	1
1,2-Dibromoethane (EDB)	ND		2.0	ug/Kg			02/15/18 08:36	1
1,2-Dichlorobenzene	ND		2.0	ug/Kg			02/15/18 08:36	1
1,2-Dichloroethane	ND		2.0	ug/Kg			02/15/18 08:36	1
1,2-Dichloropropane	ND		2.0	ug/Kg			02/15/18 08:36	1
1,3,5-Trimethylbenzene	ND		2.0	ug/Kg			02/15/18 08:36	1
1,3-Dichlorobenzene	ND		2.0	ug/Kg			02/15/18 08:36	1
1,3-Dichloropropane	ND		2.0	ug/Kg			02/15/18 08:36	1
1,4-Dichlorobenzene	ND		2.0	ug/Kg			02/15/18 08:36	1
2,2-Dichloropropane	ND		2.0	ug/Kg			02/15/18 08:36	1
2-Chlorotoluene	ND		5.0	ug/Kg			02/15/18 08:36	1
4-Chlorotoluene	ND		5.0	ug/Kg			02/15/18 08:36	1
Benzene	ND		2.0	ug/Kg			02/15/18 08:36	1
Bromobenzene	ND		5.0	ug/Kg			02/15/18 08:36	1
Bromochloromethane	ND		5.0	ug/Kg			02/15/18 08:36	1
Bromodichloromethane	ND		2.0	ug/Kg			02/15/18 08:36	1
Bromoform	ND		5.0	ug/Kg			02/15/18 08:36	1
Bromomethane	ND		5.0	ug/Kg			02/15/18 08:36	1
Carbon tetrachloride	ND		5.0	ug/Kg			02/15/18 08:36	1
Chlorobenzene	ND		2.0	ug/Kg			02/15/18 08:36	1
Chloroethane	ND		5.0	ug/Kg			02/15/18 08:36	1
Chloroform	ND		2.0	ug/Kg			02/15/18 08:36	1
Chloromethane	ND		5.0	ug/Kg			02/15/18 08:36	1
cis-1,2-Dichloroethene	ND		2.0	ug/Kg			02/15/18 08:36	1

TestAmerica Irvine

QC Sample Results

Client: Ramboll US Corporation
Project/Site: Arroyo

TestAmerica Job ID: 440-203322-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 440-457641/4

Matrix: Solid

Analysis Batch: 457641

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		2.0	ug/Kg			02/15/18 08:36	1
Dibromochloromethane	ND		2.0	ug/Kg			02/15/18 08:36	1
Dibromomethane	ND		2.0	ug/Kg			02/15/18 08:36	1
Dichlorodifluoromethane	ND		5.0	ug/Kg			02/15/18 08:36	1
Ethylbenzene	ND		2.0	ug/Kg			02/15/18 08:36	1
Hexachlorobutadiene	ND		5.0	ug/Kg			02/15/18 08:36	1
Isopropylbenzene	ND		2.0	ug/Kg			02/15/18 08:36	1
m,p-Xylene	ND		4.0	ug/Kg			02/15/18 08:36	1
Methylene Chloride	ND		20	ug/Kg			02/15/18 08:36	1
Methyl-t-Butyl Ether (MTBE)	ND		5.0	ug/Kg			02/15/18 08:36	1
Naphthalene	ND		5.0	ug/Kg			02/15/18 08:36	1
n-Butylbenzene	ND		5.0	ug/Kg			02/15/18 08:36	1
N-Propylbenzene	ND		2.0	ug/Kg			02/15/18 08:36	1
o-Xylene	ND		2.0	ug/Kg			02/15/18 08:36	1
sec-Butylbenzene	ND		5.0	ug/Kg			02/15/18 08:36	1
Styrene	ND		2.0	ug/Kg			02/15/18 08:36	1
Tert-amyl-methyl ether (TAME)	ND		5.0	ug/Kg			02/15/18 08:36	1
tert-Butylbenzene	ND		5.0	ug/Kg			02/15/18 08:36	1
Tetrachloroethene	ND		2.0	ug/Kg			02/15/18 08:36	1
Toluene	ND		2.0	ug/Kg			02/15/18 08:36	1
trans-1,2-Dichloroethene	ND		2.0	ug/Kg			02/15/18 08:36	1
trans-1,3-Dichloropropene	ND		2.0	ug/Kg			02/15/18 08:36	1
Trichloroethene	ND		2.0	ug/Kg			02/15/18 08:36	1
Trichlorofluoromethane	ND		5.0	ug/Kg			02/15/18 08:36	1
Vinyl chloride	ND		5.0	ug/Kg			02/15/18 08:36	1
Xylenes, Total	ND		4.0	ug/Kg			02/15/18 08:36	1
Isopropyl Ether (DIPE)	ND		5.0	ug/Kg			02/15/18 08:36	1
Ethyl-t-butyl ether (ETBE)	ND		5.0	ug/Kg			02/15/18 08:36	1
tert-Butyl alcohol (TBA)	ND		100	ug/Kg			02/15/18 08:36	1
p-Isopropyltoluene	ND		2.0	ug/Kg			02/15/18 08:36	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	103		79 - 123		02/15/18 08:36	1
4-Bromofluorobenzene (Surr)	88		79 - 120		02/15/18 08:36	1
Dibromofluoromethane (Surr)	105		60 - 120		02/15/18 08:36	1

Lab Sample ID: LCS 440-457641/5

Matrix: Solid

Analysis Batch: 457641

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	50.0	56.7		ug/Kg		113	70 - 130
1,1,1-Trichloroethane	50.0	53.1		ug/Kg		106	65 - 135
1,1,2,2-Tetrachloroethane	50.0	51.7		ug/Kg		103	55 - 140
1,1,2-Trichloroethane	50.0	58.5		ug/Kg		117	65 - 135
1,1-Dichloroethane	50.0	53.1		ug/Kg		106	70 - 130
1,1-Dichloroethene	50.0	53.9		ug/Kg		108	70 - 125
1,1-Dichloropropene	50.0	55.7		ug/Kg		111	70 - 130

TestAmerica Irvine

QC Sample Results

Client: Ramboll US Corporation
Project/Site: Arroyo

TestAmerica Job ID: 440-203322-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 440-457641/5

Matrix: Solid

Analysis Batch: 457641

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,3-Trichlorobenzene	50.0	43.3		ug/Kg		87	60 - 130
1,2,3-Trichloropropane	50.0	52.8		ug/Kg		106	60 - 135
1,2,4-Trichlorobenzene	50.0	44.2		ug/Kg		88	70 - 135
1,2,4-Trimethylbenzene	50.0	49.2		ug/Kg		98	70 - 125
1,2-Dibromo-3-Chloropropane	50.0	39.7		ug/Kg		79	50 - 135
1,2-Dibromoethane (EDB)	50.0	55.8		ug/Kg		112	70 - 130
1,2-Dichlorobenzene	50.0	54.8		ug/Kg		110	75 - 120
1,2-Dichloroethane	50.0	54.6		ug/Kg		109	60 - 140
1,2-Dichloropropane	50.0	54.1		ug/Kg		108	70 - 130
1,3,5-Trimethylbenzene	50.0	49.7		ug/Kg		99	70 - 125
1,3-Dichlorobenzene	50.0	53.6		ug/Kg		107	75 - 125
1,3-Dichloropropane	50.0	53.5		ug/Kg		107	70 - 125
1,4-Dichlorobenzene	50.0	55.3		ug/Kg		111	75 - 120
2,2-Dichloropropane	50.0	52.5		ug/Kg		105	60 - 145
2-Chlorotoluene	50.0	47.1		ug/Kg		94	70 - 125
4-Chlorotoluene	50.0	47.5		ug/Kg		95	75 - 125
Benzene	50.0	53.6		ug/Kg		107	65 - 120
Bromobenzene	50.0	53.0		ug/Kg		106	75 - 120
Bromochloromethane	50.0	58.1		ug/Kg		116	70 - 135
Bromodichloromethane	50.0	53.4		ug/Kg		107	70 - 135
Bromoform	50.0	59.2		ug/Kg		118	55 - 135
Bromomethane	50.0	57.4		ug/Kg		115	60 - 145
Carbon tetrachloride	50.0	55.8		ug/Kg		112	65 - 140
Chlorobenzene	50.0	55.7		ug/Kg		111	75 - 120
Chloroethane	50.0	56.1		ug/Kg		112	60 - 140
Chloroform	50.0	53.4		ug/Kg		107	70 - 130
Chloromethane	50.0	50.1		ug/Kg		100	45 - 145
cis-1,2-Dichloroethene	50.0	56.8		ug/Kg		114	70 - 125
cis-1,3-Dichloropropene	50.0	51.4		ug/Kg		103	75 - 125
Dibromochloromethane	50.0	58.5		ug/Kg		117	65 - 140
Dibromomethane	50.0	58.8		ug/Kg		118	70 - 130
Dichlorodifluoromethane	50.0	57.8		ug/Kg		116	35 - 160
Ethylbenzene	50.0	51.7		ug/Kg		103	70 - 125
Hexachlorobutadiene	50.0	46.8		ug/Kg		94	60 - 135
Isopropylbenzene	50.0	52.5		ug/Kg		105	75 - 130
m,p-Xylene	50.0	53.5		ug/Kg		107	70 - 125
Methylene Chloride	50.0	49.2		ug/Kg		98	55 - 135
Methyl-t-Butyl Ether (MTBE)	50.0	48.1		ug/Kg		96	60 - 140
Naphthalene	50.0	37.7		ug/Kg		75	55 - 135
n-Butylbenzene	50.0	47.5		ug/Kg		95	70 - 130
N-Propylbenzene	50.0	48.4		ug/Kg		97	70 - 130
o-Xylene	50.0	55.4		ug/Kg		111	70 - 125
sec-Butylbenzene	50.0	49.0		ug/Kg		98	70 - 125
Styrene	50.0	53.0		ug/Kg		106	75 - 130
Tert-amyl-methyl ether (TAME)	50.0	41.6		ug/Kg		83	60 - 145
tert-Butylbenzene	50.0	50.0		ug/Kg		100	70 - 125
Tetrachloroethene	50.0	60.9		ug/Kg		122	70 - 125
Toluene	50.0	53.6		ug/Kg		107	70 - 125

TestAmerica Irvine

QC Sample Results

Client: Ramboll US Corporation
Project/Site: Arroyo

TestAmerica Job ID: 440-203322-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 440-457641/5

Matrix: Solid

Analysis Batch: 457641

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
trans-1,2-Dichloroethene	50.0	59.1		ug/Kg		118	70 - 125
trans-1,3-Dichloropropene	50.0	51.1		ug/Kg		102	70 - 135
Trichloroethene	50.0	61.1		ug/Kg		122	70 - 125
Trichlorofluoromethane	50.0	53.5		ug/Kg		107	60 - 145
Vinyl chloride	50.0	60.0		ug/Kg		120	55 - 135
Isopropyl Ether (DIPE)	50.0	48.8		ug/Kg		98	60 - 140
Ethyl-t-butyl ether (ETBE)	50.0	44.1		ug/Kg		88	60 - 140
tert-Butyl alcohol (TBA)	500	585		ug/Kg		117	70 - 135
p-Isopropyltoluene	50.0	50.4		ug/Kg		101	75 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	102		79 - 123
4-Bromofluorobenzene (Surr)	88		79 - 120
Dibromofluoromethane (Surr)	106		60 - 120

Lab Sample ID: 440-203356-A-2 MS

Matrix: Solid

Analysis Batch: 457641

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	ND		49.9	55.1		ug/Kg		110	65 - 145
1,1,1-Trichloroethane	ND		49.9	52.3		ug/Kg		105	65 - 145
1,1,2,2-Tetrachloroethane	ND		49.9	57.0		ug/Kg		114	40 - 160
1,1,2-Trichloroethane	ND		49.9	57.3		ug/Kg		115	65 - 140
1,1-Dichloroethane	ND		49.9	51.1		ug/Kg		102	65 - 135
1,1-Dichloroethene	ND		49.9	52.0		ug/Kg		104	65 - 135
1,1-Dichloropropene	ND		49.9	54.1		ug/Kg		109	65 - 135
1,2,3-Trichlorobenzene	ND		49.9	42.8		ug/Kg		86	45 - 145
1,2,3-Trichloropropane	ND		49.9	61.3		ug/Kg		123	50 - 150
1,2,4-Trichlorobenzene	ND		49.9	43.0		ug/Kg		86	50 - 140
1,2,4-Trimethylbenzene	ND		49.9	49.7		ug/Kg		100	65 - 140
1,2-Dibromo-3-Chloropropane	ND		49.9	43.3		ug/Kg		87	40 - 150
1,2-Dibromoethane (EDB)	ND		49.9	55.3		ug/Kg		111	65 - 140
1,2-Dichlorobenzene	ND		49.9	56.5		ug/Kg		113	70 - 130
1,2-Dichloroethane	ND		49.9	55.6		ug/Kg		111	60 - 150
1,2-Dichloropropane	ND		49.9	54.2		ug/Kg		109	65 - 130
1,3,5-Trimethylbenzene	ND		49.9	50.2		ug/Kg		101	65 - 135
1,3-Dichlorobenzene	ND		49.9	53.2		ug/Kg		107	70 - 130
1,3-Dichloropropane	ND		49.9	53.8		ug/Kg		108	65 - 140
1,4-Dichlorobenzene	ND		49.9	54.2		ug/Kg		109	70 - 130
2,2-Dichloropropane	ND		49.9	49.1		ug/Kg		98	65 - 150
2-Chlorotoluene	ND		49.9	48.9		ug/Kg		98	60 - 135
4-Chlorotoluene	ND		49.9	48.0		ug/Kg		96	65 - 135
Benzene	ND		49.9	52.6		ug/Kg		105	65 - 130
Bromobenzene	ND		49.9	55.3		ug/Kg		111	65 - 140
Bromochloromethane	ND		49.9	58.1		ug/Kg		116	65 - 145
Bromodichloromethane	ND		49.9	53.7		ug/Kg		108	65 - 145
Bromoform	ND		49.9	58.5		ug/Kg		117	50 - 145

TestAmerica Irvine

QC Sample Results

Client: Ramboll US Corporation
Project/Site: Arroyo

TestAmerica Job ID: 440-203322-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 440-203356-A-2 MS

Matrix: Solid

Analysis Batch: 457641

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromomethane	ND		49.9	55.2		ug/Kg		111	60 - 155
Carbon tetrachloride	ND		49.9	53.7		ug/Kg		108	60 - 145
Chlorobenzene	ND		49.9	53.2		ug/Kg		107	70 - 130
Chloroethane	ND		49.9	55.5		ug/Kg		111	60 - 150
Chloroform	ND		49.9	52.9		ug/Kg		106	65 - 135
Chloromethane	ND		49.9	49.2		ug/Kg		99	40 - 145
cis-1,2-Dichloroethene	ND		49.9	56.0		ug/Kg		112	65 - 135
cis-1,3-Dichloropropene	ND		49.9	51.4		ug/Kg		103	70 - 135
Dibromochloromethane	ND		49.9	57.4		ug/Kg		115	60 - 145
Dibromomethane	ND		49.9	58.6		ug/Kg		117	65 - 140
Dichlorodifluoromethane	ND		49.9	54.7		ug/Kg		110	30 - 160
Ethylbenzene	ND		49.9	48.3		ug/Kg		97	70 - 135
Hexachlorobutadiene	ND		49.9	33.8		ug/Kg		68	50 - 145
Isopropylbenzene	ND		49.9	47.9		ug/Kg		96	70 - 145
m,p-Xylene	ND		49.9	50.3		ug/Kg		101	70 - 130
Methylene Chloride	ND		49.9	49.4		ug/Kg		99	55 - 145
Methyl-t-Butyl Ether (MTBE)	ND		49.9	50.4		ug/Kg		101	55 - 155
Naphthalene	ND		49.9	42.0		ug/Kg		84	40 - 150
n-Butylbenzene	ND		49.9	43.3		ug/Kg		87	55 - 145
N-Propylbenzene	ND		49.9	48.8		ug/Kg		98	65 - 140
o-Xylene	ND		49.9	52.5		ug/Kg		105	65 - 130
sec-Butylbenzene	ND		49.9	46.6		ug/Kg		93	60 - 135
Styrene	ND		49.9	48.0		ug/Kg		96	70 - 140
Tert-amyl-methyl ether (TAME)	ND		49.9	43.9		ug/Kg		88	60 - 150
tert-Butylbenzene	ND		49.9	50.2		ug/Kg		101	60 - 140
Tetrachloroethene	ND		49.9	54.3		ug/Kg		109	65 - 135
Toluene	ND		49.9	50.6		ug/Kg		101	70 - 130
trans-1,2-Dichloroethene	ND		49.9	56.2		ug/Kg		113	70 - 135
trans-1,3-Dichloropropene	ND		49.9	49.7		ug/Kg		100	60 - 145
Trichloroethene	ND		49.9	57.8		ug/Kg		116	65 - 140
Trichlorofluoromethane	ND		49.9	51.8		ug/Kg		104	55 - 155
Vinyl chloride	ND		49.9	57.6		ug/Kg		115	55 - 140
Isopropyl Ether (DIPE)	ND		49.9	48.8		ug/Kg		98	60 - 150
Ethyl-t-butyl ether (ETBE)	ND		49.9	46.7		ug/Kg		94	60 - 145
tert-Butyl alcohol (TBA)	ND		49.9	57.5		ug/Kg		115	65 - 145
p-Isopropyltoluene	ND		49.9	48.4		ug/Kg		97	60 - 140

Surrogate	MS %Recovery	MS Qualifier	Limits
Toluene-d8 (Surr)	102		79 - 123
4-Bromofluorobenzene (Surr)	92		79 - 120
Dibromofluoromethane (Surr)	105		60 - 120

Lab Sample ID: 440-203356-A-2 MSD

Matrix: Solid

Analysis Batch: 457641

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	ND		49.7	53.5		ug/Kg		108	65 - 145	3	20

TestAmerica Irvine

QC Sample Results

Client: Ramboll US Corporation
Project/Site: Arroyo

TestAmerica Job ID: 440-203322-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 440-203356-A-2 MSD

Matrix: Solid

Analysis Batch: 457641

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	ND		49.7	50.7		ug/Kg		102	65 - 145	3	20
1,1,2,2-Tetrachloroethane	ND		49.7	53.5		ug/Kg		108	40 - 160	6	30
1,1,2-Trichloroethane	ND		49.7	56.2		ug/Kg		113	65 - 140	2	30
1,1-Dichloroethane	ND		49.7	51.5		ug/Kg		104	65 - 135	1	25
1,1-Dichloroethene	ND		49.7	49.7		ug/Kg		100	65 - 135	4	25
1,1-Dichloropropene	ND		49.7	52.6		ug/Kg		106	65 - 135	3	20
1,2,3-Trichlorobenzene	ND		49.7	44.7		ug/Kg		90	45 - 145	4	30
1,2,3-Trichloropropane	ND		49.7	56.7		ug/Kg		114	50 - 150	8	30
1,2,4-Trichlorobenzene	ND		49.7	44.8		ug/Kg		90	50 - 140	4	30
1,2,4-Trimethylbenzene	ND		49.7	48.3		ug/Kg		97	65 - 140	3	25
1,2-Dibromo-3-Chloropropane	ND		49.7	43.5		ug/Kg		87	40 - 150	0	30
1,2-Dibromoethane (EDB)	ND		49.7	52.7		ug/Kg		106	65 - 140	5	25
1,2-Dichlorobenzene	ND		49.7	55.7		ug/Kg		112	70 - 130	1	25
1,2-Dichloroethane	ND		49.7	53.8		ug/Kg		108	60 - 150	3	25
1,2-Dichloropropane	ND		49.7	53.3		ug/Kg		107	65 - 130	2	20
1,3,5-Trimethylbenzene	ND		49.7	48.5		ug/Kg		98	65 - 135	3	25
1,3-Dichlorobenzene	ND		49.7	51.7		ug/Kg		104	70 - 130	3	25
1,3-Dichloropropane	ND		49.7	51.1		ug/Kg		103	65 - 140	5	25
1,4-Dichlorobenzene	ND		49.7	52.8		ug/Kg		106	70 - 130	3	25
2,2-Dichloropropane	ND		49.7	47.7		ug/Kg		96	65 - 150	3	25
2-Chlorotoluene	ND		49.7	46.9		ug/Kg		94	60 - 135	4	25
4-Chlorotoluene	ND		49.7	47.1		ug/Kg		95	65 - 135	2	25
Benzene	ND		49.7	51.5		ug/Kg		104	65 - 130	2	20
Bromobenzene	ND		49.7	53.0		ug/Kg		107	65 - 140	4	25
Bromochloromethane	ND		49.7	57.0		ug/Kg		115	65 - 145	2	25
Bromodichloromethane	ND		49.7	53.0		ug/Kg		107	65 - 145	1	20
Bromoform	ND		49.7	57.1		ug/Kg		115	50 - 145	2	30
Bromomethane	ND		49.7	55.2		ug/Kg		111	60 - 155	0	25
Carbon tetrachloride	ND		49.7	52.5		ug/Kg		106	60 - 145	2	25
Chlorobenzene	ND		49.7	51.1		ug/Kg		103	70 - 130	4	25
Chloroethane	ND		49.7	54.7		ug/Kg		110	60 - 150	1	25
Chloroform	ND		49.7	51.5		ug/Kg		104	65 - 135	3	20
Chloromethane	ND		49.7	48.2		ug/Kg		97	40 - 145	2	25
cis-1,2-Dichloroethene	ND		49.7	54.5		ug/Kg		110	65 - 135	3	25
cis-1,3-Dichloropropene	ND		49.7	49.1		ug/Kg		99	70 - 135	5	25
Dibromochloromethane	ND		49.7	56.1		ug/Kg		113	60 - 145	2	25
Dibromomethane	ND		49.7	57.9		ug/Kg		117	65 - 140	1	25
Dichlorodifluoromethane	ND		49.7	54.6		ug/Kg		110	30 - 160	0	35
Ethylbenzene	ND		49.7	47.4		ug/Kg		95	70 - 135	2	25
Hexachlorobutadiene	ND		49.7	38.3		ug/Kg		77	50 - 145	12	35
Isopropylbenzene	ND		49.7	46.3		ug/Kg		93	70 - 145	3	25
m,p-Xylene	ND		49.7	49.7		ug/Kg		100	70 - 130	1	25
Methylene Chloride	ND		49.7	47.8		ug/Kg		96	55 - 145	3	25
Methyl-t-Butyl Ether (MTBE)	ND		49.7	49.8		ug/Kg		100	55 - 155	1	35
Naphthalene	ND		49.7	41.3		ug/Kg		83	40 - 150	2	40
n-Butylbenzene	ND		49.7	43.4		ug/Kg		87	55 - 145	0	30
N-Propylbenzene	ND		49.7	46.3		ug/Kg		93	65 - 140	5	25
o-Xylene	ND		49.7	51.3		ug/Kg		103	65 - 130	2	25

TestAmerica Irvine

QC Sample Results

Client: Ramboll US Corporation
Project/Site: Arroyo

TestAmerica Job ID: 440-203322-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 440-203356-A-2 MSD

Matrix: Solid

Analysis Batch: 457641

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
sec-Butylbenzene	ND		49.7	45.1		ug/Kg		91	60 - 135	3	25
Styrene	ND		49.7	47.1		ug/Kg		95	70 - 140	2	25
Tert-amyl-methyl ether (TAME)	ND		49.7	43.3		ug/Kg		87	60 - 150	1	25
tert-Butylbenzene	ND		49.7	48.5		ug/Kg		98	60 - 140	3	25
Tetrachloroethene	ND		49.7	53.0		ug/Kg		107	65 - 135	2	25
Toluene	ND		49.7	48.5		ug/Kg		98	70 - 130	4	20
trans-1,2-Dichloroethene	ND		49.7	55.2		ug/Kg		111	70 - 135	2	25
trans-1,3-Dichloropropene	ND		49.7	48.4		ug/Kg		97	60 - 145	3	25
Trichloroethene	ND		49.7	56.0		ug/Kg		113	65 - 140	3	25
Trichlorofluoromethane	ND		49.7	51.0		ug/Kg		103	55 - 155	2	25
Vinyl chloride	ND		49.7	55.8		ug/Kg		112	55 - 140	3	30
Isopropyl Ether (DIPE)	ND		49.7	48.0		ug/Kg		97	60 - 150	2	25
Ethyl-t-butyl ether (ETBE)	ND		49.7	45.4		ug/Kg		91	60 - 145	3	30
tert-Butyl alcohol (TBA)	ND		49.7	58.0		ug/Kg		117	65 - 145	1	30
p-Isopropyltoluene	ND		49.7	47.5		ug/Kg		95	60 - 140	2	25

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Toluene-d8 (Surr)	100		79 - 123
4-Bromofluorobenzene (Surr)	91		79 - 120
Dibromofluoromethane (Surr)	107		60 - 120

Lab Sample ID: MB 440-457643/4

Matrix: Solid

Analysis Batch: 457643

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		5.0	ug/Kg			02/15/18 08:36	1
1,1,1-Trichloroethane	ND		2.0	ug/Kg			02/15/18 08:36	1
1,1,2,2-Tetrachloroethane	ND		2.0	ug/Kg			02/15/18 08:36	1
1,1,2-Trichloroethane	ND		2.0	ug/Kg			02/15/18 08:36	1
1,1-Dichloroethane	ND		2.0	ug/Kg			02/15/18 08:36	1
1,1-Dichloroethene	ND		5.0	ug/Kg			02/15/18 08:36	1
1,1-Dichloropropene	ND		2.0	ug/Kg			02/15/18 08:36	1
1,2,3-Trichlorobenzene	ND		5.0	ug/Kg			02/15/18 08:36	1
1,2,3-Trichloropropane	ND		10	ug/Kg			02/15/18 08:36	1
1,2,4-Trichlorobenzene	ND		5.0	ug/Kg			02/15/18 08:36	1
1,2,4-Trimethylbenzene	ND		2.0	ug/Kg			02/15/18 08:36	1
1,2-Dibromo-3-Chloropropane	ND		5.0	ug/Kg			02/15/18 08:36	1
1,2-Dibromoethane (EDB)	ND		2.0	ug/Kg			02/15/18 08:36	1
1,2-Dichlorobenzene	ND		2.0	ug/Kg			02/15/18 08:36	1
1,2-Dichloroethane	ND		2.0	ug/Kg			02/15/18 08:36	1
1,2-Dichloropropane	ND		2.0	ug/Kg			02/15/18 08:36	1
1,3,5-Trimethylbenzene	ND		2.0	ug/Kg			02/15/18 08:36	1
1,3-Dichlorobenzene	ND		2.0	ug/Kg			02/15/18 08:36	1
1,3-Dichloropropane	ND		2.0	ug/Kg			02/15/18 08:36	1
1,4-Dichlorobenzene	ND		2.0	ug/Kg			02/15/18 08:36	1
2,2-Dichloropropane	ND		2.0	ug/Kg			02/15/18 08:36	1
2-Chlorotoluene	ND		5.0	ug/Kg			02/15/18 08:36	1

TestAmerica Irvine

QC Sample Results

Client: Ramboll US Corporation
Project/Site: Arroyo

TestAmerica Job ID: 440-203322-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 440-457643/4

Matrix: Solid

Analysis Batch: 457643

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chlorotoluene	ND		5.0	ug/Kg			02/15/18 08:36	1
Benzene	ND		2.0	ug/Kg			02/15/18 08:36	1
Bromobenzene	ND		5.0	ug/Kg			02/15/18 08:36	1
Bromochloromethane	ND		5.0	ug/Kg			02/15/18 08:36	1
Bromodichloromethane	ND		2.0	ug/Kg			02/15/18 08:36	1
Bromoform	ND		5.0	ug/Kg			02/15/18 08:36	1
Bromomethane	ND		5.0	ug/Kg			02/15/18 08:36	1
Carbon tetrachloride	ND		5.0	ug/Kg			02/15/18 08:36	1
Chlorobenzene	ND		2.0	ug/Kg			02/15/18 08:36	1
Chloroethane	ND		5.0	ug/Kg			02/15/18 08:36	1
Chloroform	ND		2.0	ug/Kg			02/15/18 08:36	1
Chloromethane	ND		5.0	ug/Kg			02/15/18 08:36	1
cis-1,2-Dichloroethene	ND		2.0	ug/Kg			02/15/18 08:36	1
cis-1,3-Dichloropropene	ND		2.0	ug/Kg			02/15/18 08:36	1
Dibromochloromethane	ND		2.0	ug/Kg			02/15/18 08:36	1
Dibromomethane	ND		2.0	ug/Kg			02/15/18 08:36	1
Dichlorodifluoromethane	ND		5.0	ug/Kg			02/15/18 08:36	1
Ethylbenzene	ND		2.0	ug/Kg			02/15/18 08:36	1
Hexachlorobutadiene	ND		5.0	ug/Kg			02/15/18 08:36	1
Isopropylbenzene	ND		2.0	ug/Kg			02/15/18 08:36	1
m,p-Xylene	ND		4.0	ug/Kg			02/15/18 08:36	1
Methylene Chloride	ND		20	ug/Kg			02/15/18 08:36	1
Methyl-t-Butyl Ether (MTBE)	ND		5.0	ug/Kg			02/15/18 08:36	1
Naphthalene	ND		5.0	ug/Kg			02/15/18 08:36	1
n-Butylbenzene	ND		5.0	ug/Kg			02/15/18 08:36	1
N-Propylbenzene	ND		2.0	ug/Kg			02/15/18 08:36	1
o-Xylene	ND		2.0	ug/Kg			02/15/18 08:36	1
sec-Butylbenzene	ND		5.0	ug/Kg			02/15/18 08:36	1
Styrene	ND		2.0	ug/Kg			02/15/18 08:36	1
Tert-amyl-methyl ether (TAME)	ND		5.0	ug/Kg			02/15/18 08:36	1
tert-Butylbenzene	ND		5.0	ug/Kg			02/15/18 08:36	1
Tetrachloroethene	ND		2.0	ug/Kg			02/15/18 08:36	1
Toluene	ND		2.0	ug/Kg			02/15/18 08:36	1
trans-1,2-Dichloroethene	ND		2.0	ug/Kg			02/15/18 08:36	1
trans-1,3-Dichloropropene	ND		2.0	ug/Kg			02/15/18 08:36	1
Trichloroethene	ND		2.0	ug/Kg			02/15/18 08:36	1
Trichlorofluoromethane	ND		5.0	ug/Kg			02/15/18 08:36	1
Vinyl chloride	ND		5.0	ug/Kg			02/15/18 08:36	1
Xylenes, Total	ND		4.0	ug/Kg			02/15/18 08:36	1
Isopropyl Ether (DIPE)	ND		5.0	ug/Kg			02/15/18 08:36	1
Ethyl-t-butyl ether (ETBE)	ND		5.0	ug/Kg			02/15/18 08:36	1
tert-Butyl alcohol (TBA)	ND		100	ug/Kg			02/15/18 08:36	1
p-Isopropyltoluene	ND		2.0	ug/Kg			02/15/18 08:36	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	104		79 - 123		02/15/18 08:36	1
4-Bromofluorobenzene (Surr)	91		79 - 120		02/15/18 08:36	1
Dibromofluoromethane (Surr)	95		60 - 120		02/15/18 08:36	1

TestAmerica Irvine

QC Sample Results

Client: Ramboll US Corporation
Project/Site: Arroyo

TestAmerica Job ID: 440-203322-1

Lab Sample ID: LCS 440-457643/5

Matrix: Solid

Analysis Batch: 457643

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	50.0	55.3		ug/Kg		111	70 - 130
1,1,1-Trichloroethane	50.0	45.8		ug/Kg		92	65 - 135
1,1,2,2-Tetrachloroethane	50.0	50.9		ug/Kg		102	55 - 140
1,1,2-Trichloroethane	50.0	53.4		ug/Kg		107	65 - 135
1,1-Dichloroethane	50.0	42.7		ug/Kg		85	70 - 130
1,1-Dichloroethene	50.0	49.4		ug/Kg		99	70 - 125
1,1-Dichloropropene	50.0	46.6		ug/Kg		93	70 - 130
1,2,3-Trichlorobenzene	50.0	55.4		ug/Kg		111	60 - 130
1,2,3-Trichloropropane	50.0	48.7		ug/Kg		97	60 - 135
1,2,4-Trichlorobenzene	50.0	57.0		ug/Kg		114	70 - 135
1,2,4-Trimethylbenzene	50.0	49.3		ug/Kg		99	70 - 125
1,2-Dibromo-3-Chloropropane	50.0	45.1		ug/Kg		90	50 - 135
1,2-Dibromoethane (EDB)	50.0	52.6		ug/Kg		105	70 - 130
1,2-Dichlorobenzene	50.0	55.1		ug/Kg		110	75 - 120
1,2-Dichloroethane	50.0	39.3		ug/Kg		79	60 - 140
1,2-Dichloropropane	50.0	46.7		ug/Kg		93	70 - 130
1,3,5-Trimethylbenzene	50.0	49.6		ug/Kg		99	70 - 125
1,3-Dichlorobenzene	50.0	52.2		ug/Kg		104	75 - 125
1,3-Dichloropropane	50.0	49.0		ug/Kg		98	70 - 125
1,4-Dichlorobenzene	50.0	51.7		ug/Kg		103	75 - 120
2,2-Dichloropropane	50.0	44.3		ug/Kg		89	60 - 145
2-Chlorotoluene	50.0	47.6		ug/Kg		95	70 - 125
4-Chlorotoluene	50.0	47.5		ug/Kg		95	75 - 125
Benzene	50.0	51.2		ug/Kg		102	65 - 120
Bromobenzene	50.0	51.6		ug/Kg		103	75 - 120
Bromochloromethane	50.0	50.8		ug/Kg		102	70 - 135
Bromodichloromethane	50.0	48.0		ug/Kg		96	70 - 135
Bromoform	50.0	57.7		ug/Kg		115	55 - 135
Bromomethane	50.0	50.0		ug/Kg		100	60 - 145
Carbon tetrachloride	50.0	47.0		ug/Kg		94	65 - 140
Chlorobenzene	50.0	52.5		ug/Kg		105	75 - 120
Chloroethane	50.0	46.8		ug/Kg		94	60 - 140
Chloroform	50.0	45.5		ug/Kg		91	70 - 130
Chloromethane	50.0	43.7		ug/Kg		87	45 - 145
cis-1,2-Dichloroethene	50.0	50.6		ug/Kg		101	70 - 125
cis-1,3-Dichloropropene	50.0	47.4		ug/Kg		95	75 - 125
Dibromochloromethane	50.0	56.0		ug/Kg		112	65 - 140
Dibromomethane	50.0	47.9		ug/Kg		96	70 - 130
Dichlorodifluoromethane	50.0	38.7		ug/Kg		77	35 - 160
Ethylbenzene	50.0	51.0		ug/Kg		102	70 - 125
Hexachlorobutadiene	50.0	52.9		ug/Kg		106	60 - 135
Isopropylbenzene	50.0	52.5		ug/Kg		105	75 - 130
m,p-Xylene	50.0	51.9		ug/Kg		104	70 - 125
Methylene Chloride	50.0	48.2		ug/Kg		96	55 - 135
Methyl-t-Butyl Ether (MTBE)	50.0	47.6		ug/Kg		95	60 - 140
Naphthalene	50.0	56.9		ug/Kg		114	55 - 135
n-Butylbenzene	50.0	46.9		ug/Kg		94	70 - 130
N-Propylbenzene	50.0	46.2		ug/Kg		92	70 - 130
o-Xylene	50.0	52.4		ug/Kg		105	70 - 125
sec-Butylbenzene	50.0	47.8		ug/Kg		96	70 - 125

TestAmerica Irvine

QC Sample Results

Client: Ramboll US Corporation
Project/Site: Arroyo

TestAmerica Job ID: 440-203322-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 440-457643/5

Matrix: Solid

Analysis Batch: 457643

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Styrene	50.0	54.3		ug/Kg		109	75 - 130
Tert-amyl-methyl ether (TAME)	50.0	45.7		ug/Kg		91	60 - 145
tert-Butylbenzene	50.0	49.5		ug/Kg		99	70 - 125
Tetrachloroethene	50.0	54.2		ug/Kg		108	70 - 125
Toluene	50.0	51.5		ug/Kg		103	70 - 125
trans-1,2-Dichloroethene	50.0	53.0		ug/Kg		106	70 - 125
trans-1,3-Dichloropropene	50.0	47.7		ug/Kg		95	70 - 135
Trichloroethene	50.0	54.1		ug/Kg		108	70 - 125
Trichlorofluoromethane	50.0	41.1		ug/Kg		82	60 - 145
Vinyl chloride	50.0	42.8		ug/Kg		86	55 - 135
Isopropyl Ether (DIPE)	50.0	46.1		ug/Kg		92	60 - 140
Ethyl-t-butyl ether (ETBE)	50.0	43.7		ug/Kg		87	60 - 140
tert-Butyl alcohol (TBA)	500	518		ug/Kg		104	70 - 135
p-Isopropyltoluene	50.0	48.5		ug/Kg		97	75 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	98		79 - 123
4-Bromofluorobenzene (Surr)	91		79 - 120
Dibromofluoromethane (Surr)	97		60 - 120

Lab Sample ID: 440-203356-A-4 MS

Matrix: Solid

Analysis Batch: 457643

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	ND		49.6	58.8		ug/Kg		119	65 - 145
1,1,1-Trichloroethane	ND		49.6	46.9		ug/Kg		95	65 - 145
1,1,2,2-Tetrachloroethane	ND		49.6	49.4		ug/Kg		100	40 - 160
1,1,2-Trichloroethane	ND		49.6	53.7		ug/Kg		108	65 - 140
1,1-Dichloroethane	ND		49.6	44.8		ug/Kg		90	65 - 135
1,1-Dichloroethene	ND		49.6	52.6		ug/Kg		106	65 - 135
1,1-Dichloropropene	ND		49.6	49.9		ug/Kg		101	65 - 135
1,2,3-Trichlorobenzene	ND		49.6	56.3		ug/Kg		113	45 - 145
1,2,3-Trichloropropane	ND		49.6	47.0		ug/Kg		95	50 - 150
1,2,4-Trichlorobenzene	ND		49.6	57.5		ug/Kg		116	50 - 140
1,2,4-Trimethylbenzene	ND		49.6	50.7		ug/Kg		102	65 - 140
1,2-Dibromo-3-Chloropropane	ND		49.6	42.0		ug/Kg		85	40 - 150
1,2-Dibromoethane (EDB)	ND		49.6	55.7		ug/Kg		112	65 - 140
1,2-Dichlorobenzene	ND		49.6	55.8		ug/Kg		113	70 - 130
1,2-Dichloroethane	ND		49.6	39.6		ug/Kg		80	60 - 150
1,2-Dichloropropane	ND		49.6	50.1		ug/Kg		101	65 - 130
1,3,5-Trimethylbenzene	ND		49.6	51.5		ug/Kg		104	65 - 135
1,3-Dichlorobenzene	ND		49.6	54.2		ug/Kg		109	70 - 130
1,3-Dichloropropane	ND		49.6	50.1		ug/Kg		101	65 - 140
1,4-Dichlorobenzene	ND		49.6	52.9		ug/Kg		107	70 - 130
2,2-Dichloropropane	ND		49.6	47.9		ug/Kg		97	65 - 150
2-Chlorotoluene	ND		49.6	48.9		ug/Kg		99	60 - 135
4-Chlorotoluene	ND		49.6	49.4		ug/Kg		100	65 - 135

TestAmerica Irvine

QC Sample Results

Client: Ramboll US Corporation
Project/Site: Arroyo

TestAmerica Job ID: 440-203322-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 440-203356-A-4 MS

Matrix: Solid

Analysis Batch: 457643

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	ND		49.6	53.4		ug/Kg		108	65 - 130
Bromobenzene	ND		49.6	53.3		ug/Kg		108	65 - 140
Bromochloromethane	ND		49.6	53.1		ug/Kg		107	65 - 145
Bromodichloromethane	ND		49.6	48.8		ug/Kg		98	65 - 145
Bromoform	ND		49.6	60.8		ug/Kg		123	50 - 145
Bromomethane	ND		49.6	52.2		ug/Kg		105	60 - 155
Carbon tetrachloride	ND		49.6	50.6		ug/Kg		102	60 - 145
Chlorobenzene	ND		49.6	54.6		ug/Kg		110	70 - 130
Chloroethane	ND		49.6	48.5		ug/Kg		98	60 - 150
Chloroform	ND		49.6	46.7		ug/Kg		94	65 - 135
Chloromethane	ND		49.6	45.8		ug/Kg		92	40 - 145
cis-1,2-Dichloroethene	ND		49.6	52.2		ug/Kg		105	65 - 135
cis-1,3-Dichloropropene	ND		49.6	51.1		ug/Kg		103	70 - 135
Dibromochloromethane	ND		49.6	58.1		ug/Kg		117	60 - 145
Dibromomethane	ND		49.6	49.8		ug/Kg		100	65 - 140
Dichlorodifluoromethane	ND		49.6	41.3		ug/Kg		83	30 - 160
Ethylbenzene	ND		49.6	54.4		ug/Kg		110	70 - 135
Hexachlorobutadiene	ND		49.6	53.7		ug/Kg		108	50 - 145
Isopropylbenzene	ND		49.6	55.7		ug/Kg		112	70 - 145
m,p-Xylene	ND		49.6	56.9		ug/Kg		115	70 - 130
Methylene Chloride	ND		49.6	49.6		ug/Kg		100	55 - 145
Methyl-t-Butyl Ether (MTBE)	ND		49.6	47.3		ug/Kg		95	55 - 155
Naphthalene	ND		49.6	53.9		ug/Kg		109	40 - 150
n-Butylbenzene	ND		49.6	48.9		ug/Kg		99	55 - 145
N-Propylbenzene	ND		49.6	48.3		ug/Kg		97	65 - 140
o-Xylene	ND		49.6	56.7		ug/Kg		114	65 - 130
sec-Butylbenzene	ND		49.6	49.4		ug/Kg		100	60 - 135
Styrene	ND		49.6	58.1		ug/Kg		117	70 - 140
Tert-amyl-methyl ether (TAME)	ND		49.6	45.1		ug/Kg		91	60 - 150
tert-Butylbenzene	ND		49.6	52.6		ug/Kg		106	60 - 140
Tetrachloroethene	ND		49.6	59.3		ug/Kg		120	65 - 135
Toluene	ND		49.6	55.3		ug/Kg		112	70 - 130
trans-1,2-Dichloroethene	ND		49.6	55.8		ug/Kg		113	70 - 135
trans-1,3-Dichloropropene	ND		49.6	49.6		ug/Kg		100	60 - 145
Trichloroethene	ND		49.6	57.9		ug/Kg		117	65 - 140
Trichlorofluoromethane	ND		49.6	43.5		ug/Kg		88	55 - 155
Vinyl chloride	ND		49.6	44.4		ug/Kg		89	55 - 140
Isopropyl Ether (DIPE)	ND		49.6	46.8		ug/Kg		94	60 - 150
Ethyl-t-butyl ether (ETBE)	ND		49.6	43.8		ug/Kg		88	60 - 145
tert-Butyl alcohol (TBA)	ND		496	559		ug/Kg		113	65 - 145
p-Isopropyltoluene	ND		49.6	50.5		ug/Kg		102	60 - 140

Surrogate	MS %Recovery	MS Qualifier	Limits
Toluene-d8 (Surr)	104		79 - 123
4-Bromofluorobenzene (Surr)	90		79 - 120
Dibromofluoromethane (Surr)	100		60 - 120

TestAmerica Irvine

QC Sample Results

Client: Ramboll US Corporation
Project/Site: Arroyo

TestAmerica Job ID: 440-203322-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 440-203356-A-4 MSD

Matrix: Solid

Analysis Batch: 457643

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	ND		50.0	55.4		ug/Kg		111	65 - 145	6	20
1,1,1-Trichloroethane	ND		50.0	45.1		ug/Kg		90	65 - 145	4	20
1,1,2,2-Tetrachloroethane	ND		50.0	45.3		ug/Kg		91	40 - 160	9	30
1,1,2-Trichloroethane	ND		50.0	50.4		ug/Kg		101	65 - 140	6	30
1,1-Dichloroethane	ND		50.0	42.3		ug/Kg		85	65 - 135	6	25
1,1-Dichloroethene	ND		50.0	49.8		ug/Kg		100	65 - 135	5	25
1,1-Dichloropropene	ND		50.0	47.1		ug/Kg		94	65 - 135	6	20
1,2,3-Trichlorobenzene	ND		50.0	52.9		ug/Kg		106	45 - 145	6	30
1,2,3-Trichloropropane	ND		50.0	46.3		ug/Kg		93	50 - 150	2	30
1,2,4-Trichlorobenzene	ND		50.0	54.4		ug/Kg		109	50 - 140	6	30
1,2,4-Trimethylbenzene	ND		50.0	48.3		ug/Kg		97	65 - 140	5	25
1,2-Dibromo-3-Chloropropane	ND		50.0	38.0		ug/Kg		76	40 - 150	10	30
1,2-Dibromoethane (EDB)	ND		50.0	51.6		ug/Kg		103	65 - 140	8	25
1,2-Dichlorobenzene	ND		50.0	53.3		ug/Kg		107	70 - 130	5	25
1,2-Dichloroethane	ND		50.0	38.0		ug/Kg		76	60 - 150	4	25
1,2-Dichloropropane	ND		50.0	48.5		ug/Kg		97	65 - 130	3	20
1,3,5-Trimethylbenzene	ND		50.0	50.1		ug/Kg		100	65 - 135	3	25
1,3-Dichlorobenzene	ND		50.0	52.0		ug/Kg		104	70 - 130	4	25
1,3-Dichloropropane	ND		50.0	48.1		ug/Kg		96	65 - 140	4	25
1,4-Dichlorobenzene	ND		50.0	50.4		ug/Kg		101	70 - 130	5	25
2,2-Dichloropropane	ND		50.0	43.5		ug/Kg		87	65 - 150	10	25
2-Chlorotoluene	ND		50.0	46.8		ug/Kg		94	60 - 135	4	25
4-Chlorotoluene	ND		50.0	48.4		ug/Kg		97	65 - 135	2	25
Benzene	ND		50.0	52.0		ug/Kg		104	65 - 130	3	20
Bromobenzene	ND		50.0	51.7		ug/Kg		103	65 - 140	3	25
Bromochloromethane	ND		50.0	51.8		ug/Kg		104	65 - 145	2	25
Bromodichloromethane	ND		50.0	48.9		ug/Kg		98	65 - 145	0	20
Bromoform	ND		50.0	54.5		ug/Kg		109	50 - 145	11	30
Bromomethane	ND		50.0	50.5		ug/Kg		101	60 - 155	3	25
Carbon tetrachloride	ND		50.0	47.7		ug/Kg		95	60 - 145	6	25
Chlorobenzene	ND		50.0	51.7		ug/Kg		103	70 - 130	5	25
Chloroethane	ND		50.0	49.8		ug/Kg		100	60 - 150	3	25
Chloroform	ND		50.0	45.2		ug/Kg		90	65 - 135	3	20
Chloromethane	ND		50.0	44.6		ug/Kg		89	40 - 145	3	25
cis-1,2-Dichloroethene	ND		50.0	49.3		ug/Kg		99	65 - 135	6	25
cis-1,3-Dichloropropene	ND		50.0	47.6		ug/Kg		95	70 - 135	7	25
Dibromochloromethane	ND		50.0	55.0		ug/Kg		110	60 - 145	5	25
Dibromomethane	ND		50.0	48.0		ug/Kg		96	65 - 140	4	25
Dichlorodifluoromethane	ND		50.0	40.3		ug/Kg		81	30 - 160	2	35
Ethylbenzene	ND		50.0	51.5		ug/Kg		103	70 - 135	5	25
Hexachlorobutadiene	ND		50.0	50.9		ug/Kg		102	50 - 145	5	35
Isopropylbenzene	ND		50.0	54.2		ug/Kg		108	70 - 145	3	25
m,p-Xylene	ND		50.0	53.1		ug/Kg		106	70 - 130	7	25
Methylene Chloride	ND		50.0	48.0		ug/Kg		96	55 - 145	3	25
Methyl-t-Butyl Ether (MTBE)	ND		50.0	45.5		ug/Kg		91	55 - 155	4	35
Naphthalene	ND		50.0	52.1		ug/Kg		104	40 - 150	3	40
n-Butylbenzene	ND		50.0	46.5		ug/Kg		93	55 - 145	5	30
N-Propylbenzene	ND		50.0	46.4		ug/Kg		93	65 - 140	4	25

TestAmerica Irvine

QC Sample Results

Client: Ramboll US Corporation
Project/Site: Arroyo

TestAmerica Job ID: 440-203322-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 440-203356-A-4 MSD

Matrix: Solid

Analysis Batch: 457643

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
o-Xylene	ND		50.0	53.7		ug/Kg		107	65 - 130	6	25
sec-Butylbenzene	ND		50.0	48.0		ug/Kg		96	60 - 135	3	25
Styrene	ND		50.0	53.2		ug/Kg		106	70 - 140	9	25
Tert-amyl-methyl ether (TAME)	ND		50.0	44.6		ug/Kg		89	60 - 150	1	25
tert-Butylbenzene	ND		50.0	50.4		ug/Kg		101	60 - 140	4	25
Tetrachloroethene	ND		50.0	56.0		ug/Kg		112	65 - 135	6	25
Toluene	ND		50.0	52.1		ug/Kg		104	70 - 130	6	20
trans-1,2-Dichloroethene	ND		50.0	51.8		ug/Kg		104	70 - 135	7	25
trans-1,3-Dichloropropene	ND		50.0	46.7		ug/Kg		93	60 - 145	6	25
Trichloroethene	ND		50.0	57.1		ug/Kg		114	65 - 140	1	25
Trichlorofluoromethane	ND		50.0	42.7		ug/Kg		85	55 - 155	2	25
Vinyl chloride	ND		50.0	42.9		ug/Kg		86	55 - 140	3	30
Isopropyl Ether (DIPE)	ND		50.0	46.3		ug/Kg		93	60 - 150	1	25
Ethyl-t-butyl ether (ETBE)	ND		50.0	43.3		ug/Kg		87	60 - 145	1	30
tert-Butyl alcohol (TBA)	ND		500	540		ug/Kg		108	65 - 145	3	30
p-Isopropyltoluene	ND		50.0	49.4		ug/Kg		99	60 - 140	2	25

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Toluene-d8 (Surr)	102		79 - 123
4-Bromofluorobenzene (Surr)	89		79 - 120
Dibromofluoromethane (Surr)	99		60 - 120

Lab Sample ID: MB 440-457865/9

Matrix: Solid

Analysis Batch: 457865

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		5.0	ug/Kg			02/15/18 22:18	1
1,1,1-Trichloroethane	ND		2.0	ug/Kg			02/15/18 22:18	1
1,1,2,2-Tetrachloroethane	ND		2.0	ug/Kg			02/15/18 22:18	1
1,1,2-Trichloroethane	ND		2.0	ug/Kg			02/15/18 22:18	1
1,1-Dichloroethane	ND		2.0	ug/Kg			02/15/18 22:18	1
1,1-Dichloroethene	ND		5.0	ug/Kg			02/15/18 22:18	1
1,1-Dichloropropene	ND		2.0	ug/Kg			02/15/18 22:18	1
1,2,3-Trichlorobenzene	ND		5.0	ug/Kg			02/15/18 22:18	1
1,2,3-Trichloropropane	ND		10	ug/Kg			02/15/18 22:18	1
1,2,4-Trichlorobenzene	ND		5.0	ug/Kg			02/15/18 22:18	1
1,2,4-Trimethylbenzene	ND		2.0	ug/Kg			02/15/18 22:18	1
1,2-Dibromo-3-Chloropropane	ND		5.0	ug/Kg			02/15/18 22:18	1
1,2-Dibromoethane (EDB)	ND		2.0	ug/Kg			02/15/18 22:18	1
1,2-Dichlorobenzene	ND		2.0	ug/Kg			02/15/18 22:18	1
1,2-Dichloroethane	ND		2.0	ug/Kg			02/15/18 22:18	1
1,2-Dichloropropane	ND		2.0	ug/Kg			02/15/18 22:18	1
1,3,5-Trimethylbenzene	ND		2.0	ug/Kg			02/15/18 22:18	1
1,3-Dichlorobenzene	ND		2.0	ug/Kg			02/15/18 22:18	1
1,3-Dichloropropane	ND		2.0	ug/Kg			02/15/18 22:18	1
1,4-Dichlorobenzene	ND		2.0	ug/Kg			02/15/18 22:18	1
2,2-Dichloropropane	ND		2.0	ug/Kg			02/15/18 22:18	1

TestAmerica Irvine

QC Sample Results

Client: Ramboll US Corporation
Project/Site: Arroyo

TestAmerica Job ID: 440-203322-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 440-457865/9

Matrix: Solid

Analysis Batch: 457865

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chlorotoluene	ND		5.0	ug/Kg			02/15/18 22:18	1
4-Chlorotoluene	ND		5.0	ug/Kg			02/15/18 22:18	1
Benzene	ND		2.0	ug/Kg			02/15/18 22:18	1
Bromobenzene	ND		5.0	ug/Kg			02/15/18 22:18	1
Bromochloromethane	ND		5.0	ug/Kg			02/15/18 22:18	1
Bromodichloromethane	ND		2.0	ug/Kg			02/15/18 22:18	1
Bromoform	ND		5.0	ug/Kg			02/15/18 22:18	1
Bromomethane	ND		5.0	ug/Kg			02/15/18 22:18	1
Carbon tetrachloride	ND		5.0	ug/Kg			02/15/18 22:18	1
Chlorobenzene	ND		2.0	ug/Kg			02/15/18 22:18	1
Chloroethane	ND		5.0	ug/Kg			02/15/18 22:18	1
Chloroform	ND		2.0	ug/Kg			02/15/18 22:18	1
Chloromethane	ND		5.0	ug/Kg			02/15/18 22:18	1
cis-1,2-Dichloroethene	ND		2.0	ug/Kg			02/15/18 22:18	1
cis-1,3-Dichloropropene	ND		2.0	ug/Kg			02/15/18 22:18	1
Dibromochloromethane	ND		2.0	ug/Kg			02/15/18 22:18	1
Dibromomethane	ND		2.0	ug/Kg			02/15/18 22:18	1
Dichlorodifluoromethane	ND		5.0	ug/Kg			02/15/18 22:18	1
Ethylbenzene	ND		2.0	ug/Kg			02/15/18 22:18	1
Hexachlorobutadiene	ND		5.0	ug/Kg			02/15/18 22:18	1
Isopropylbenzene	ND		2.0	ug/Kg			02/15/18 22:18	1
m,p-Xylene	ND		4.0	ug/Kg			02/15/18 22:18	1
Methylene Chloride	ND		20	ug/Kg			02/15/18 22:18	1
Methyl-t-Butyl Ether (MTBE)	ND		5.0	ug/Kg			02/15/18 22:18	1
Naphthalene	6.10		5.0	ug/Kg			02/15/18 22:18	1
n-Butylbenzene	ND		5.0	ug/Kg			02/15/18 22:18	1
N-Propylbenzene	ND		2.0	ug/Kg			02/15/18 22:18	1
o-Xylene	ND		2.0	ug/Kg			02/15/18 22:18	1
sec-Butylbenzene	ND		5.0	ug/Kg			02/15/18 22:18	1
Styrene	ND		2.0	ug/Kg			02/15/18 22:18	1
Tert-amyl-methyl ether (TAME)	ND		5.0	ug/Kg			02/15/18 22:18	1
tert-Butylbenzene	ND		5.0	ug/Kg			02/15/18 22:18	1
Tetrachloroethene	ND		2.0	ug/Kg			02/15/18 22:18	1
Toluene	ND		2.0	ug/Kg			02/15/18 22:18	1
trans-1,2-Dichloroethene	ND		2.0	ug/Kg			02/15/18 22:18	1
trans-1,3-Dichloropropene	ND		2.0	ug/Kg			02/15/18 22:18	1
Trichloroethene	ND		2.0	ug/Kg			02/15/18 22:18	1
Trichlorofluoromethane	ND		5.0	ug/Kg			02/15/18 22:18	1
Vinyl chloride	ND		5.0	ug/Kg			02/15/18 22:18	1
Xylenes, Total	ND		4.0	ug/Kg			02/15/18 22:18	1
Isopropyl Ether (DIPE)	ND		5.0	ug/Kg			02/15/18 22:18	1
Ethyl-t-butyl ether (ETBE)	ND		5.0	ug/Kg			02/15/18 22:18	1
tert-Butyl alcohol (TBA)	ND		100	ug/Kg			02/15/18 22:18	1
p-Isopropyltoluene	ND		2.0	ug/Kg			02/15/18 22:18	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	104		79 - 123		02/15/18 22:18	1
4-Bromofluorobenzene (Surr)	90		79 - 120		02/15/18 22:18	1

TestAmerica Irvine

QC Sample Results

Client: Ramboll US Corporation
Project/Site: Arroyo

TestAmerica Job ID: 440-203322-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 440-457865/9

Matrix: Solid

Analysis Batch: 457865

Client Sample ID: Method Blank

Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	96		60 - 120		02/15/18 22:18	1

Lab Sample ID: LCS 440-457865/5

Matrix: Solid

Analysis Batch: 457865

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	50.0	52.1		ug/Kg		104	70 - 130
1,1,1-Trichloroethane	50.0	41.6		ug/Kg		83	65 - 135
1,1,2,2-Tetrachloroethane	50.0	44.1		ug/Kg		88	55 - 140
1,1,2-Trichloroethane	50.0	47.1		ug/Kg		94	65 - 135
1,1-Dichloroethane	50.0	38.4		ug/Kg		77	70 - 130
1,1-Dichloroethene	50.0	44.9		ug/Kg		90	70 - 125
1,1-Dichloropropene	50.0	43.7		ug/Kg		87	70 - 130
1,2,3-Trichlorobenzene	50.0	52.7		ug/Kg		105	60 - 130
1,2,3-Trichloropropane	50.0	41.2		ug/Kg		82	60 - 135
1,2,4-Trichlorobenzene	50.0	52.9		ug/Kg		106	70 - 135
1,2,4-Trimethylbenzene	50.0	45.7		ug/Kg		91	70 - 125
1,2-Dibromo-3-Chloropropane	50.0	35.3		ug/Kg		71	50 - 135
1,2-Dibromoethane (EDB)	50.0	47.9		ug/Kg		96	70 - 130
1,2-Dichlorobenzene	50.0	48.9		ug/Kg		98	75 - 120
1,2-Dichloroethane	50.0	33.8		ug/Kg		68	60 - 140
1,2-Dichloropropane	50.0	43.9		ug/Kg		88	70 - 130
1,3,5-Trimethylbenzene	50.0	47.1		ug/Kg		94	70 - 125
1,3-Dichlorobenzene	50.0	48.5		ug/Kg		97	75 - 125
1,3-Dichloropropane	50.0	43.8		ug/Kg		88	70 - 125
1,4-Dichlorobenzene	50.0	48.1		ug/Kg		96	75 - 120
2,2-Dichloropropane	50.0	40.2		ug/Kg		80	60 - 145
2-Chlorotoluene	50.0	44.1		ug/Kg		88	70 - 125
4-Chlorotoluene	50.0	44.8		ug/Kg		90	75 - 125
Benzene	50.0	46.8		ug/Kg		94	65 - 120
Bromobenzene	50.0	49.3		ug/Kg		99	75 - 120
Bromochloromethane	50.0	48.0		ug/Kg		96	70 - 135
Bromodichloromethane	50.0	41.8		ug/Kg		84	70 - 135
Bromoform	50.0	52.8		ug/Kg		106	55 - 135
Bromomethane	50.0	43.0		ug/Kg		86	60 - 145
Carbon tetrachloride	50.0	42.5		ug/Kg		85	65 - 140
Chlorobenzene	50.0	49.7		ug/Kg		99	75 - 120
Chloroethane	50.0	41.4		ug/Kg		83	60 - 140
Chloroform	50.0	40.6		ug/Kg		81	70 - 130
Chloromethane	50.0	36.6		ug/Kg		73	45 - 145
cis-1,2-Dichloroethene	50.0	46.4		ug/Kg		93	70 - 125
cis-1,3-Dichloropropene	50.0	44.4		ug/Kg		89	75 - 125
Dibromochloromethane	50.0	49.8		ug/Kg		100	65 - 140
Dibromomethane	50.0	44.4		ug/Kg		89	70 - 130
Dichlorodifluoromethane	50.0	30.1		ug/Kg		60	35 - 160
Ethylbenzene	50.0	49.3		ug/Kg		99	70 - 125
Hexachlorobutadiene	50.0	52.3		ug/Kg		105	60 - 135

TestAmerica Irvine

QC Sample Results

Client: Ramboll US Corporation
Project/Site: Arroyo

TestAmerica Job ID: 440-203322-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 440-457865/5

Matrix: Solid

Analysis Batch: 457865

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Isopropylbenzene	50.0	50.8		ug/Kg		102	75 - 130
m,p-Xylene	50.0	49.1		ug/Kg		98	70 - 125
Methylene Chloride	50.0	44.0		ug/Kg		88	55 - 135
Methyl-t-Butyl Ether (MTBE)	50.0	42.0		ug/Kg		84	60 - 140
Naphthalene	50.0	55.9		ug/Kg		112	55 - 135
n-Butylbenzene	50.0	43.7		ug/Kg		87	70 - 130
N-Propylbenzene	50.0	44.4		ug/Kg		89	70 - 130
o-Xylene	50.0	50.3		ug/Kg		101	70 - 125
sec-Butylbenzene	50.0	45.2		ug/Kg		90	70 - 125
Styrene	50.0	51.5		ug/Kg		103	75 - 130
Tert-amyl-methyl ether (TAME)	50.0	40.4		ug/Kg		81	60 - 145
tert-Butylbenzene	50.0	48.0		ug/Kg		96	70 - 125
Tetrachloroethene	50.0	52.5		ug/Kg		105	70 - 125
Toluene	50.0	50.0		ug/Kg		100	70 - 125
trans-1,2-Dichloroethene	50.0	47.4		ug/Kg		95	70 - 125
trans-1,3-Dichloropropene	50.0	43.1		ug/Kg		86	70 - 135
Trichloroethene	50.0	51.8		ug/Kg		104	70 - 125
Trichlorofluoromethane	50.0	37.0		ug/Kg		74	60 - 145
Vinyl chloride	50.0	37.6		ug/Kg		75	55 - 135
Isopropyl Ether (DIPE)	50.0	42.4		ug/Kg		85	60 - 140
Ethyl-t-butyl ether (ETBE)	50.0	39.4		ug/Kg		79	60 - 140
tert-Butyl alcohol (TBA)	500	503		ug/Kg		101	70 - 135
p-Isopropyltoluene	50.0	47.0		ug/Kg		94	75 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	104		79 - 123
4-Bromofluorobenzene (Surr)	88		79 - 120
Dibromofluoromethane (Surr)	94		60 - 120

Lab Sample ID: LCSD 440-457865/24

Matrix: Solid

Analysis Batch: 457865

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	50.0	52.6		ug/Kg		105	70 - 130	1	20
1,1,1-Trichloroethane	50.0	42.4		ug/Kg		85	65 - 135	2	20
1,1,2,2-Tetrachloroethane	50.0	47.2		ug/Kg		94	55 - 140	7	30
1,1,2-Trichloroethane	50.0	49.3		ug/Kg		99	65 - 135	5	20
1,1-Dichloroethane	50.0	39.4		ug/Kg		79	70 - 130	3	20
1,1-Dichloroethene	50.0	46.9		ug/Kg		94	70 - 125	4	20
1,1-Dichloropropene	50.0	46.1		ug/Kg		92	70 - 130	5	20
1,2,3-Trichlorobenzene	50.0	53.7		ug/Kg		107	60 - 130	2	20
1,2,3-Trichloropropane	50.0	44.0		ug/Kg		88	60 - 135	7	25
1,2,4-Trichlorobenzene	50.0	54.2		ug/Kg		108	70 - 135	2	20
1,2,4-Trimethylbenzene	50.0	47.0		ug/Kg		94	70 - 125	3	20
1,2-Dibromo-3-Chloropropane	50.0	38.3		ug/Kg		77	50 - 135	8	30
1,2-Dibromoethane (EDB)	50.0	49.7		ug/Kg		99	70 - 130	4	20
1,2-Dichlorobenzene	50.0	51.4		ug/Kg		103	75 - 120	5	20

TestAmerica Irvine

QC Sample Results

Client: Ramboll US Corporation
Project/Site: Arroyo

TestAmerica Job ID: 440-203322-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 440-457865/24

Matrix: Solid

Analysis Batch: 457865

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dichloroethane	50.0	36.0		ug/Kg		72	60 - 140	6	20
1,2-Dichloropropane	50.0	45.2		ug/Kg		90	70 - 130	3	20
1,3,5-Trimethylbenzene	50.0	48.1		ug/Kg		96	70 - 125	2	20
1,3-Dichlorobenzene	50.0	49.9		ug/Kg		100	75 - 125	3	20
1,3-Dichloropropane	50.0	44.5		ug/Kg		89	70 - 125	2	20
1,4-Dichlorobenzene	50.0	48.8		ug/Kg		98	75 - 120	2	20
2,2-Dichloropropane	50.0	41.9		ug/Kg		84	60 - 145	4	20
2-Chlorotoluene	50.0	45.7		ug/Kg		91	70 - 125	4	20
4-Chlorotoluene	50.0	45.7		ug/Kg		91	75 - 125	2	20
Benzene	50.0	48.6		ug/Kg		97	65 - 120	4	20
Bromobenzene	50.0	50.4		ug/Kg		101	75 - 120	2	20
Bromochloromethane	50.0	50.2		ug/Kg		100	70 - 135	4	20
Bromodichloromethane	50.0	44.3		ug/Kg		89	70 - 135	6	20
Bromoform	50.0	54.6		ug/Kg		109	55 - 135	3	25
Bromomethane	50.0	45.7		ug/Kg		91	60 - 145	6	20
Carbon tetrachloride	50.0	44.4		ug/Kg		89	65 - 140	4	20
Chlorobenzene	50.0	49.7		ug/Kg		99	75 - 120	0	20
Chloroethane	50.0	43.4		ug/Kg		87	60 - 140	5	25
Chloroform	50.0	41.9		ug/Kg		84	70 - 130	3	20
Chloromethane	50.0	39.5		ug/Kg		79	45 - 145	8	25
cis-1,2-Dichloroethene	50.0	48.2		ug/Kg		96	70 - 125	4	20
cis-1,3-Dichloropropene	50.0	47.0		ug/Kg		94	75 - 125	6	20
Dibromochloromethane	50.0	51.5		ug/Kg		103	65 - 140	4	20
Dibromomethane	50.0	46.0		ug/Kg		92	70 - 130	4	20
Dichlorodifluoromethane	50.0	33.2		ug/Kg		66	35 - 160	10	30
Ethylbenzene	50.0	49.4		ug/Kg		99	70 - 125	0	20
Hexachlorobutadiene	50.0	52.5		ug/Kg		105	60 - 135	0	20
Isopropylbenzene	50.0	52.7		ug/Kg		105	75 - 130	4	20
m,p-Xylene	50.0	52.2		ug/Kg		104	70 - 125	6	20
Methylene Chloride	50.0	45.2		ug/Kg		90	55 - 135	3	20
Methyl-t-Butyl Ether (MTBE)	50.0	44.0		ug/Kg		88	60 - 140	5	25
Naphthalene	50.0	53.4		ug/Kg		107	55 - 135	5	25
n-Butylbenzene	50.0	45.6		ug/Kg		91	70 - 130	4	20
N-Propylbenzene	50.0	45.1		ug/Kg		90	70 - 130	2	20
o-Xylene	50.0	51.6		ug/Kg		103	70 - 125	3	20
sec-Butylbenzene	50.0	47.0		ug/Kg		94	70 - 125	4	20
Styrene	50.0	52.2		ug/Kg		104	75 - 130	1	20
Tert-amyl-methyl ether (TAME)	50.0	42.0		ug/Kg		84	60 - 145	4	20
tert-Butylbenzene	50.0	49.6		ug/Kg		99	70 - 125	3	20
Tetrachloroethene	50.0	56.8		ug/Kg		114	70 - 125	8	20
Toluene	50.0	50.6		ug/Kg		101	70 - 125	1	20
trans-1,2-Dichloroethene	50.0	48.2		ug/Kg		96	70 - 125	2	20
trans-1,3-Dichloropropene	50.0	44.8		ug/Kg		90	70 - 135	4	20
Trichloroethene	50.0	52.8		ug/Kg		106	70 - 125	2	20
Trichlorofluoromethane	50.0	38.9		ug/Kg		78	60 - 145	5	25
Vinyl chloride	50.0	39.1		ug/Kg		78	55 - 135	4	25
Isopropyl Ether (DIPE)	50.0	43.0		ug/Kg		86	60 - 140	2	20
Ethyl-t-butyl ether (ETBE)	50.0	41.2		ug/Kg		82	60 - 140	4	20

TestAmerica Irvine

QC Sample Results

Client: Ramboll US Corporation
Project/Site: Arroyo

TestAmerica Job ID: 440-203322-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 440-457865/24

Matrix: Solid

Analysis Batch: 457865

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
tert-Butyl alcohol (TBA)	500	508		ug/Kg		102	70 - 135	1	20
p-Isopropyltoluene	50.0	48.2		ug/Kg		96	75 - 125	3	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Toluene-d8 (Surr)	103		79 - 123
4-Bromofluorobenzene (Surr)	92		79 - 120
Dibromofluoromethane (Surr)	96		60 - 120

Lab Sample ID: MB 440-457896/4

Matrix: Solid

Analysis Batch: 457896

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		250	ug/Kg			02/16/18 08:19	100
1,1,1-Trichloroethane	ND		100	ug/Kg			02/16/18 08:19	100
1,1,2,2-Tetrachloroethane	ND		100	ug/Kg			02/16/18 08:19	100
1,1,2-Trichloroethane	ND		100	ug/Kg			02/16/18 08:19	100
1,1-Dichloroethane	ND		100	ug/Kg			02/16/18 08:19	100
1,1-Dichloroethene	ND		250	ug/Kg			02/16/18 08:19	100
1,1-Dichloropropene	ND		100	ug/Kg			02/16/18 08:19	100
1,2,3-Trichlorobenzene	ND		250	ug/Kg			02/16/18 08:19	100
1,2,3-Trichloropropane	ND		500	ug/Kg			02/16/18 08:19	100
1,2,4-Trichlorobenzene	ND		250	ug/Kg			02/16/18 08:19	100
1,2,4-Trimethylbenzene	ND		100	ug/Kg			02/16/18 08:19	100
1,2-Dibromo-3-Chloropropane	ND		250	ug/Kg			02/16/18 08:19	100
1,2-Dibromoethane (EDB)	ND		100	ug/Kg			02/16/18 08:19	100
1,2-Dichlorobenzene	ND		100	ug/Kg			02/16/18 08:19	100
1,2-Dichloroethane	ND		100	ug/Kg			02/16/18 08:19	100
1,2-Dichloropropane	ND		100	ug/Kg			02/16/18 08:19	100
1,3,5-Trimethylbenzene	ND		100	ug/Kg			02/16/18 08:19	100
1,3-Dichlorobenzene	ND		100	ug/Kg			02/16/18 08:19	100
1,3-Dichloropropane	ND		100	ug/Kg			02/16/18 08:19	100
1,4-Dichlorobenzene	ND		100	ug/Kg			02/16/18 08:19	100
2,2-Dichloropropane	ND		200	ug/Kg			02/16/18 08:19	100
2-Chlorotoluene	ND		250	ug/Kg			02/16/18 08:19	100
4-Chlorotoluene	ND		250	ug/Kg			02/16/18 08:19	100
Benzene	ND		100	ug/Kg			02/16/18 08:19	100
Bromobenzene	ND		250	ug/Kg			02/16/18 08:19	100
Bromochloromethane	ND		250	ug/Kg			02/16/18 08:19	100
Bromodichloromethane	ND		100	ug/Kg			02/16/18 08:19	100
Bromoform	ND		250	ug/Kg			02/16/18 08:19	100
Bromomethane	ND		250	ug/Kg			02/16/18 08:19	100
Carbon tetrachloride	ND		250	ug/Kg			02/16/18 08:19	100
Chlorobenzene	ND		100	ug/Kg			02/16/18 08:19	100
Chloroethane	ND		250	ug/Kg			02/16/18 08:19	100
Chloroform	ND		100	ug/Kg			02/16/18 08:19	100
Chloromethane	ND		250	ug/Kg			02/16/18 08:19	100
cis-1,2-Dichloroethene	ND		100	ug/Kg			02/16/18 08:19	100

TestAmerica Irvine

QC Sample Results

Client: Ramboll US Corporation
Project/Site: Arroyo

TestAmerica Job ID: 440-203322-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 440-457896/4

Matrix: Solid

Analysis Batch: 457896

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		100	ug/Kg			02/16/18 08:19	100
Dibromochloromethane	ND		100	ug/Kg			02/16/18 08:19	100
Dibromomethane	ND		100	ug/Kg			02/16/18 08:19	100
Dichlorodifluoromethane	ND		250	ug/Kg			02/16/18 08:19	100
Ethylbenzene	ND		100	ug/Kg			02/16/18 08:19	100
Hexachlorobutadiene	ND		250	ug/Kg			02/16/18 08:19	100
Isopropylbenzene	ND		100	ug/Kg			02/16/18 08:19	100
m,p-Xylene	ND		200	ug/Kg			02/16/18 08:19	100
Methylene Chloride	ND		1000	ug/Kg			02/16/18 08:19	100
Methyl-t-Butyl Ether (MTBE)	ND		250	ug/Kg			02/16/18 08:19	100
Naphthalene	ND		250	ug/Kg			02/16/18 08:19	100
n-Butylbenzene	ND		250	ug/Kg			02/16/18 08:19	100
N-Propylbenzene	ND		100	ug/Kg			02/16/18 08:19	100
o-Xylene	ND		100	ug/Kg			02/16/18 08:19	100
sec-Butylbenzene	ND		250	ug/Kg			02/16/18 08:19	100
Styrene	ND		100	ug/Kg			02/16/18 08:19	100
Tert-amyl-methyl ether (TAME)	ND		250	ug/Kg			02/16/18 08:19	100
tert-Butylbenzene	ND		250	ug/Kg			02/16/18 08:19	100
Tetrachloroethene	ND		100	ug/Kg			02/16/18 08:19	100
Toluene	ND		100	ug/Kg			02/16/18 08:19	100
trans-1,2-Dichloroethene	ND		100	ug/Kg			02/16/18 08:19	100
trans-1,3-Dichloropropene	ND		100	ug/Kg			02/16/18 08:19	100
Trichloroethene	ND		100	ug/Kg			02/16/18 08:19	100
Trichlorofluoromethane	ND		250	ug/Kg			02/16/18 08:19	100
Vinyl chloride	ND		250	ug/Kg			02/16/18 08:19	100
Xylenes, Total	ND		200	ug/Kg			02/16/18 08:19	100
Isopropyl Ether (DIPE)	ND		250	ug/Kg			02/16/18 08:19	100
Ethyl-t-butyl ether (ETBE)	ND		250	ug/Kg			02/16/18 08:19	100
tert-Butyl alcohol (TBA)	ND		5000	ug/Kg			02/16/18 08:19	100
p-Isopropyltoluene	ND		100	ug/Kg			02/16/18 08:19	100

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	102		60 - 140		02/16/18 08:19	100
4-Bromofluorobenzene (Surr)	92		65 - 140		02/16/18 08:19	100
Dibromofluoromethane (Surr)	95		55 - 140		02/16/18 08:19	100

Lab Sample ID: LCS 440-457896/5

Matrix: Solid

Analysis Batch: 457896

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	2500	2580		ug/Kg		103	70 - 140
1,1,1-Trichloroethane	2500	2130		ug/Kg		85	65 - 140
1,1,2,2-Tetrachloroethane	2500	2240		ug/Kg		89	55 - 135
1,1,2-Trichloroethane	2500	2390		ug/Kg		96	65 - 130
1,1-Dichloroethane	2500	1960		ug/Kg		78	65 - 130
1,1-Dichloroethene	2500	2440		ug/Kg		98	75 - 140
1,1-Dichloropropene	2500	2200		ug/Kg		88	70 - 130

TestAmerica Irvine

QC Sample Results

Client: Ramboll US Corporation
Project/Site: Arroyo

TestAmerica Job ID: 440-203322-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 440-457896/5

Matrix: Solid

Analysis Batch: 457896

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,3-Trichlorobenzene	2500	2670		ug/Kg		107	60 - 135
1,2,3-Trichloropropane	2500	2070		ug/Kg		83	55 - 130
1,2,4-Trichlorobenzene	2500	2700		ug/Kg		108	65 - 135
1,2,4-Trimethylbenzene	2500	2250		ug/Kg		90	70 - 125
1,2-Dibromo-3-Chloropropane	2500	1940		ug/Kg		78	45 - 135
1,2-Dibromoethane (EDB)	2500	2340		ug/Kg		94	70 - 130
1,2-Dichlorobenzene	2500	2560		ug/Kg		102	70 - 120
1,2-Dichloroethane	2500	1800		ug/Kg		72	60 - 145
1,2-Dichloropropane	2500	2290		ug/Kg		92	75 - 125
1,3,5-Trimethylbenzene	2500	2310		ug/Kg		92	70 - 125
1,3-Dichlorobenzene	2500	2450		ug/Kg		98	70 - 125
1,3-Dichloropropane	2500	2260		ug/Kg		90	65 - 130
1,4-Dichlorobenzene	2500	2440		ug/Kg		98	70 - 125
2,2-Dichloropropane	2500	2010		ug/Kg		80	60 - 145
2-Chlorotoluene	2500	2220		ug/Kg		89	70 - 125
4-Chlorotoluene	2500	2210		ug/Kg		89	70 - 125
Benzene	2500	2460		ug/Kg		99	65 - 120
Bromobenzene	2500	2520		ug/Kg		101	70 - 120
Bromochloromethane	2500	2530		ug/Kg		101	65 - 125
Bromodichloromethane	2500	2220		ug/Kg		89	65 - 135
Bromoform	2500	2680		ug/Kg		107	50 - 130
Bromomethane	2500	2480		ug/Kg		99	30 - 140
Carbon tetrachloride	2500	2210		ug/Kg		89	65 - 145
Chlorobenzene	2500	2520		ug/Kg		101	70 - 125
Chloroethane	2500	2290		ug/Kg		92	40 - 140
Chloroform	2500	2120		ug/Kg		85	75 - 130
Chloromethane	2500	2110		ug/Kg		84	30 - 140
cis-1,2-Dichloroethene	2500	2370		ug/Kg		95	65 - 130
cis-1,3-Dichloropropene	2500	2240		ug/Kg		90	70 - 130
Dibromochloromethane	2500	2520		ug/Kg		101	65 - 140
Dibromomethane	2500	2280		ug/Kg		91	65 - 130
Dichlorodifluoromethane	2500	1670		ug/Kg		67	10 - 155
Ethylbenzene	2500	2380		ug/Kg		95	80 - 120
Hexachlorobutadiene	2500	2620		ug/Kg		105	60 - 135
Isopropylbenzene	2500	2540		ug/Kg		101	70 - 125
m,p-Xylene	2500	2460		ug/Kg		98	70 - 125
Methylene Chloride	2500	2270		ug/Kg		91	60 - 140
Methyl-t-Butyl Ether (MTBE)	2500	2230		ug/Kg		89	55 - 145
Naphthalene	2500	2570		ug/Kg		103	50 - 140
n-Butylbenzene	2500	2190		ug/Kg		88	70 - 130
N-Propylbenzene	2500	2170		ug/Kg		87	70 - 130
o-Xylene	2500	2520		ug/Kg		101	70 - 125
sec-Butylbenzene	2500	2260		ug/Kg		90	70 - 125
Styrene	2500	2600		ug/Kg		104	70 - 135
Tert-amyl-methyl ether (TAME)	2500	2210		ug/Kg		88	60 - 145
tert-Butylbenzene	2500	2380		ug/Kg		95	70 - 125
Tetrachloroethene	2500	2700		ug/Kg		108	65 - 125
Toluene	2500	2510		ug/Kg		100	80 - 120

TestAmerica Irvine

QC Sample Results

Client: Ramboll US Corporation
Project/Site: Arroyo

TestAmerica Job ID: 440-203322-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 440-457896/5

Matrix: Solid

Analysis Batch: 457896

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
trans-1,2-Dichloroethene	2500	2510		ug/Kg		100	65 - 130
trans-1,3-Dichloropropene	2500	2190		ug/Kg		88	65 - 135
Trichloroethene	2500	2730		ug/Kg		109	70 - 130
Trichlorofluoromethane	2500	2020		ug/Kg		81	50 - 145
Vinyl chloride	2500	744		ug/Kg		30	10 - 120
Isopropyl Ether (DIPE)	2500	2140		ug/Kg		86	60 - 140
Ethyl-t-butyl ether (ETBE)	2500	2100		ug/Kg		84	60 - 140
tert-Butyl alcohol (TBA)	25000	24300		ug/Kg		97	65 - 140
p-Isopropyltoluene	2500	2310		ug/Kg		92	70 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	100		60 - 140
4-Bromofluorobenzene (Surr)	88		65 - 140
Dibromofluoromethane (Surr)	96		55 - 140

Lab Sample ID: LCSD 440-457896/6

Matrix: Solid

Analysis Batch: 457896

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	2500	2700		ug/Kg		108	70 - 140	5	20
1,1,1-Trichloroethane	2500	2130		ug/Kg		85	65 - 140	0	20
1,1,2,2-Tetrachloroethane	2500	2140		ug/Kg		85	55 - 135	5	25
1,1,2-Trichloroethane	2500	2430		ug/Kg		97	65 - 130	2	20
1,1-Dichloroethane	2500	1980		ug/Kg		79	65 - 130	1	20
1,1-Dichloroethene	2500	2420		ug/Kg		97	75 - 140	1	20
1,1-Dichloropropene	2500	2330		ug/Kg		93	70 - 130	6	20
1,2,3-Trichlorobenzene	2500	2710		ug/Kg		109	60 - 135	2	20
1,2,3-Trichloropropane	2500	2120		ug/Kg		85	55 - 130	2	25
1,2,4-Trichlorobenzene	2500	2790		ug/Kg		112	65 - 135	3	20
1,2,4-Trimethylbenzene	2500	2320		ug/Kg		93	70 - 125	3	20
1,2-Dibromo-3-Chloropropane	2500	1760		ug/Kg		70	45 - 135	10	25
1,2-Dibromoethane (EDB)	2500	2420		ug/Kg		97	70 - 130	3	20
1,2-Dichlorobenzene	2500	2590		ug/Kg		104	70 - 120	1	20
1,2-Dichloroethane	2500	1760		ug/Kg		70	60 - 145	2	20
1,2-Dichloropropane	2500	2230		ug/Kg		89	75 - 125	3	20
1,3,5-Trimethylbenzene	2500	2360		ug/Kg		94	70 - 125	2	20
1,3-Dichlorobenzene	2500	2490		ug/Kg		100	70 - 125	2	20
1,3-Dichloropropane	2500	2270		ug/Kg		91	65 - 130	1	20
1,4-Dichlorobenzene	2500	2450		ug/Kg		98	70 - 125	0	20
2,2-Dichloropropane	2500	1980		ug/Kg		79	60 - 145	1	25
2-Chlorotoluene	2500	2230		ug/Kg		89	70 - 125	0	20
4-Chlorotoluene	2500	2290		ug/Kg		92	70 - 125	4	20
Benzene	2500	2490		ug/Kg		99	65 - 120	1	20
Bromobenzene	2500	2480		ug/Kg		99	70 - 120	2	20
Bromochloromethane	2500	2460		ug/Kg		99	65 - 125	3	20
Bromodichloromethane	2500	2200		ug/Kg		88	65 - 135	1	20
Bromoform	2500	2640		ug/Kg		106	50 - 130	1	25

TestAmerica Irvine

QC Sample Results

Client: Ramboll US Corporation
Project/Site: Arroyo

TestAmerica Job ID: 440-203322-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 440-457896/6

Matrix: Solid

Analysis Batch: 457896

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Bromomethane	2500	2450		ug/Kg		98	30 - 140	1	30
Carbon tetrachloride	2500	2200		ug/Kg		88	65 - 145	0	20
Chlorobenzene	2500	2600		ug/Kg		104	70 - 125	3	20
Chloroethane	2500	2220		ug/Kg		89	40 - 140	3	25
Chloroform	2500	2110		ug/Kg		84	75 - 130	0	20
Chloromethane	2500	2020		ug/Kg		81	30 - 140	4	25
cis-1,2-Dichloroethene	2500	2350		ug/Kg		94	65 - 130	1	20
cis-1,3-Dichloropropene	2500	2290		ug/Kg		91	70 - 130	2	20
Dibromochloromethane	2500	2600		ug/Kg		104	65 - 140	3	20
Dibromomethane	2500	2160		ug/Kg		86	65 - 130	5	20
Dichlorodifluoromethane	2500	1630		ug/Kg		65	10 - 155	2	30
Ethylbenzene	2500	2560		ug/Kg		102	80 - 120	7	20
Hexachlorobutadiene	2500	2630		ug/Kg		105	60 - 135	0	20
Isopropylbenzene	2500	2670		ug/Kg		107	70 - 125	5	20
m,p-Xylene	2500	2670		ug/Kg		107	70 - 125	8	20
Methylene Chloride	2500	2150		ug/Kg		86	60 - 140	6	20
Methyl-t-Butyl Ether (MTBE)	2500	2150		ug/Kg		86	55 - 145	4	25
Naphthalene	2500	2560		ug/Kg		103	50 - 140	0	25
n-Butylbenzene	2500	2200		ug/Kg		88	70 - 130	0	20
N-Propylbenzene	2500	2240		ug/Kg		90	70 - 130	3	20
o-Xylene	2500	2620		ug/Kg		105	70 - 125	4	20
sec-Butylbenzene	2500	2320		ug/Kg		93	70 - 125	3	20
Styrene	2500	2710		ug/Kg		109	70 - 135	4	20
Tert-amyl-methyl ether (TAME)	2500	2130		ug/Kg		85	60 - 145	3	25
tert-Butylbenzene	2500	2420		ug/Kg		97	70 - 125	1	20
Tetrachloroethene	2500	2810		ug/Kg		112	65 - 125	4	20
Toluene	2500	2600		ug/Kg		104	80 - 120	4	20
trans-1,2-Dichloroethene	2500	2490		ug/Kg		99	65 - 130	1	20
trans-1,3-Dichloropropene	2500	2250		ug/Kg		90	65 - 135	3	20
Trichloroethene	2500	2650		ug/Kg		106	70 - 130	3	20
Trichlorofluoromethane	2500	1950		ug/Kg		78	50 - 145	4	25
Vinyl chloride	2500	761		ug/Kg		30	10 - 120	2	30
Isopropyl Ether (DIPE)	2500	2130		ug/Kg		85	60 - 140	0	20
Ethyl-t-butyl ether (ETBE)	2500	2070		ug/Kg		83	60 - 140	2	20
tert-Butyl alcohol (TBA)	25000	25700		ug/Kg		103	65 - 140	5	20
p-Isopropyltoluene	2500	2360		ug/Kg		95	70 - 125	3	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Toluene-d8 (Surr)	100		60 - 140
4-Bromofluorobenzene (Surr)	88		65 - 140
Dibromofluoromethane (Surr)	94		55 - 140

Lab Sample ID: MB 440-457902/3

Matrix: Solid

Analysis Batch: 457902

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		5.0	ug/Kg			02/16/18 08:04	1

TestAmerica Irvine

QC Sample Results

Client: Ramboll US Corporation
Project/Site: Arroyo

TestAmerica Job ID: 440-203322-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 440-457902/3

Matrix: Solid

Analysis Batch: 457902

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2.0	ug/Kg			02/16/18 08:04	1
1,1,2,2-Tetrachloroethane	ND		2.0	ug/Kg			02/16/18 08:04	1
1,1,2-Trichloroethane	ND		2.0	ug/Kg			02/16/18 08:04	1
1,1-Dichloroethane	ND		2.0	ug/Kg			02/16/18 08:04	1
1,1-Dichloroethene	ND		5.0	ug/Kg			02/16/18 08:04	1
1,1-Dichloropropene	ND		2.0	ug/Kg			02/16/18 08:04	1
1,2,3-Trichlorobenzene	ND		5.0	ug/Kg			02/16/18 08:04	1
1,2,3-Trichloropropane	ND		10	ug/Kg			02/16/18 08:04	1
1,2,4-Trichlorobenzene	ND		5.0	ug/Kg			02/16/18 08:04	1
1,2,4-Trimethylbenzene	ND		2.0	ug/Kg			02/16/18 08:04	1
1,2-Dibromo-3-Chloropropane	ND		5.0	ug/Kg			02/16/18 08:04	1
1,2-Dibromoethane (EDB)	ND		2.0	ug/Kg			02/16/18 08:04	1
1,2-Dichlorobenzene	ND		2.0	ug/Kg			02/16/18 08:04	1
1,2-Dichloroethane	ND		2.0	ug/Kg			02/16/18 08:04	1
1,2-Dichloropropane	ND		2.0	ug/Kg			02/16/18 08:04	1
1,3,5-Trimethylbenzene	ND		2.0	ug/Kg			02/16/18 08:04	1
1,3-Dichlorobenzene	ND		2.0	ug/Kg			02/16/18 08:04	1
1,3-Dichloropropane	ND		2.0	ug/Kg			02/16/18 08:04	1
1,4-Dichlorobenzene	ND		2.0	ug/Kg			02/16/18 08:04	1
2,2-Dichloropropane	ND		2.0	ug/Kg			02/16/18 08:04	1
2-Chlorotoluene	ND		5.0	ug/Kg			02/16/18 08:04	1
4-Chlorotoluene	ND		5.0	ug/Kg			02/16/18 08:04	1
Benzene	ND		2.0	ug/Kg			02/16/18 08:04	1
Bromobenzene	ND		5.0	ug/Kg			02/16/18 08:04	1
Bromochloromethane	ND		5.0	ug/Kg			02/16/18 08:04	1
Bromodichloromethane	ND		2.0	ug/Kg			02/16/18 08:04	1
Bromoform	ND		5.0	ug/Kg			02/16/18 08:04	1
Bromomethane	ND		5.0	ug/Kg			02/16/18 08:04	1
Carbon tetrachloride	ND		5.0	ug/Kg			02/16/18 08:04	1
Chlorobenzene	ND		2.0	ug/Kg			02/16/18 08:04	1
Chloroethane	ND		5.0	ug/Kg			02/16/18 08:04	1
Chloroform	ND		2.0	ug/Kg			02/16/18 08:04	1
Chloromethane	ND		5.0	ug/Kg			02/16/18 08:04	1
cis-1,2-Dichloroethene	ND		2.0	ug/Kg			02/16/18 08:04	1
cis-1,3-Dichloropropene	ND		2.0	ug/Kg			02/16/18 08:04	1
Dibromochloromethane	ND		2.0	ug/Kg			02/16/18 08:04	1
Dibromomethane	ND		2.0	ug/Kg			02/16/18 08:04	1
Dichlorodifluoromethane	ND		5.0	ug/Kg			02/16/18 08:04	1
Ethylbenzene	ND		2.0	ug/Kg			02/16/18 08:04	1
Hexachlorobutadiene	ND		5.0	ug/Kg			02/16/18 08:04	1
Isopropylbenzene	ND		2.0	ug/Kg			02/16/18 08:04	1
m,p-Xylene	ND		4.0	ug/Kg			02/16/18 08:04	1
Methylene Chloride	ND		20	ug/Kg			02/16/18 08:04	1
Methyl-t-Butyl Ether (MTBE)	ND		5.0	ug/Kg			02/16/18 08:04	1
Naphthalene	ND		5.0	ug/Kg			02/16/18 08:04	1
n-Butylbenzene	ND		5.0	ug/Kg			02/16/18 08:04	1
N-Propylbenzene	ND		2.0	ug/Kg			02/16/18 08:04	1
o-Xylene	ND		2.0	ug/Kg			02/16/18 08:04	1

TestAmerica Irvine

QC Sample Results

Client: Ramboll US Corporation
Project/Site: Arroyo

TestAmerica Job ID: 440-203322-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 440-457902/3

Matrix: Solid

Analysis Batch: 457902

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		5.0	ug/Kg			02/16/18 08:04	1
Styrene	ND		2.0	ug/Kg			02/16/18 08:04	1
Tert-amyl-methyl ether (TAME)	ND		5.0	ug/Kg			02/16/18 08:04	1
tert-Butylbenzene	ND		5.0	ug/Kg			02/16/18 08:04	1
Tetrachloroethene	ND		2.0	ug/Kg			02/16/18 08:04	1
Toluene	ND		2.0	ug/Kg			02/16/18 08:04	1
trans-1,2-Dichloroethene	ND		2.0	ug/Kg			02/16/18 08:04	1
trans-1,3-Dichloropropene	ND		2.0	ug/Kg			02/16/18 08:04	1
Trichloroethene	ND		2.0	ug/Kg			02/16/18 08:04	1
Trichlorofluoromethane	ND		5.0	ug/Kg			02/16/18 08:04	1
Vinyl chloride	ND		5.0	ug/Kg			02/16/18 08:04	1
Xylenes, Total	ND		4.0	ug/Kg			02/16/18 08:04	1
Isopropyl Ether (DIPE)	ND		5.0	ug/Kg			02/16/18 08:04	1
Ethyl-t-butyl ether (ETBE)	ND		5.0	ug/Kg			02/16/18 08:04	1
tert-Butyl alcohol (TBA)	ND		100	ug/Kg			02/16/18 08:04	1
p-Isopropyltoluene	ND		2.0	ug/Kg			02/16/18 08:04	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	106		79 - 123		02/16/18 08:04	1
4-Bromofluorobenzene (Surr)	102		79 - 120		02/16/18 08:04	1
Dibromofluoromethane (Surr)	104		60 - 120		02/16/18 08:04	1

Lab Sample ID: LCS 440-457902/4

Matrix: Solid

Analysis Batch: 457902

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	50.0	51.3		ug/Kg		103	70 - 130
1,1,1-Trichloroethane	50.0	49.0		ug/Kg		98	65 - 135
1,1,2,2-Tetrachloroethane	50.0	53.8		ug/Kg		108	55 - 140
1,1,2-Trichloroethane	50.0	52.0		ug/Kg		104	65 - 135
1,1-Dichloroethane	50.0	48.9		ug/Kg		98	70 - 130
1,1-Dichloroethene	50.0	48.1		ug/Kg		96	70 - 125
1,1-Dichloropropene	50.0	51.8		ug/Kg		104	70 - 130
1,2,3-Trichlorobenzene	50.0	53.2		ug/Kg		106	60 - 130
1,2,3-Trichloropropane	50.0	52.3		ug/Kg		105	60 - 135
1,2,4-Trichlorobenzene	50.0	53.9		ug/Kg		108	70 - 135
1,2,4-Trimethylbenzene	50.0	48.0		ug/Kg		96	70 - 125
1,2-Dibromo-3-Chloropropane	50.0	55.8		ug/Kg		112	50 - 135
1,2-Dibromoethane (EDB)	50.0	53.9		ug/Kg		108	70 - 130
1,2-Dichlorobenzene	50.0	52.2		ug/Kg		104	75 - 120
1,2-Dichloroethane	50.0	51.8		ug/Kg		104	60 - 140
1,2-Dichloropropane	50.0	48.8		ug/Kg		98	70 - 130
1,3,5-Trimethylbenzene	50.0	48.7		ug/Kg		97	70 - 125
1,3-Dichlorobenzene	50.0	50.2		ug/Kg		100	75 - 125
1,3-Dichloropropane	50.0	48.1		ug/Kg		96	70 - 125
1,4-Dichlorobenzene	50.0	49.6		ug/Kg		99	75 - 120
2,2-Dichloropropane	50.0	53.9		ug/Kg		108	60 - 145

TestAmerica Irvine

QC Sample Results

Client: Ramboll US Corporation
Project/Site: Arroyo

TestAmerica Job ID: 440-203322-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 440-457902/4

Matrix: Solid

Analysis Batch: 457902

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Chlorotoluene	50.0	48.2		ug/Kg		96	70 - 125
4-Chlorotoluene	50.0	48.8		ug/Kg		98	75 - 125
Benzene	50.0	49.8		ug/Kg		100	65 - 120
Bromobenzene	50.0	50.8		ug/Kg		102	75 - 120
Bromochloromethane	50.0	54.2		ug/Kg		108	70 - 135
Bromodichloromethane	50.0	51.4		ug/Kg		103	70 - 135
Bromoform	50.0	54.3		ug/Kg		109	55 - 135
Bromomethane	50.0	55.6		ug/Kg		111	60 - 145
Carbon tetrachloride	50.0	49.9		ug/Kg		100	65 - 140
Chlorobenzene	50.0	45.5		ug/Kg		91	75 - 120
Chloroethane	50.0	56.7		ug/Kg		113	60 - 140
Chloroform	50.0	50.3		ug/Kg		101	70 - 130
Chloromethane	50.0	45.2		ug/Kg		90	45 - 145
cis-1,2-Dichloroethene	50.0	50.3		ug/Kg		101	70 - 125
cis-1,3-Dichloropropene	50.0	48.4		ug/Kg		97	75 - 125
Dibromochloromethane	50.0	52.4		ug/Kg		105	65 - 140
Dibromomethane	50.0	52.0		ug/Kg		104	70 - 130
Dichlorodifluoromethane	50.0	55.4		ug/Kg		111	35 - 160
Ethylbenzene	50.0	46.2		ug/Kg		92	70 - 125
Hexachlorobutadiene	50.0	50.1		ug/Kg		100	60 - 135
Isopropylbenzene	50.0	46.9		ug/Kg		94	75 - 130
m,p-Xylene	50.0	47.4		ug/Kg		95	70 - 125
Methylene Chloride	50.0	51.7		ug/Kg		103	55 - 135
Methyl-t-Butyl Ether (MTBE)	50.0	54.4		ug/Kg		109	60 - 140
Naphthalene	50.0	54.3		ug/Kg		109	55 - 135
n-Butylbenzene	50.0	47.7		ug/Kg		95	70 - 130
N-Propylbenzene	50.0	47.5		ug/Kg		95	70 - 130
o-Xylene	50.0	47.3		ug/Kg		95	70 - 125
sec-Butylbenzene	50.0	47.5		ug/Kg		95	70 - 125
Styrene	50.0	49.0		ug/Kg		98	75 - 130
Tert-amyl-methyl ether (TAME)	50.0	48.8		ug/Kg		98	60 - 145
tert-Butylbenzene	50.0	47.4		ug/Kg		95	70 - 125
Tetrachloroethene	50.0	47.8		ug/Kg		96	70 - 125
Toluene	50.0	45.5		ug/Kg		91	70 - 125
trans-1,2-Dichloroethene	50.0	49.6		ug/Kg		99	70 - 125
trans-1,3-Dichloropropene	50.0	51.4		ug/Kg		103	70 - 135
Trichloroethene	50.0	49.6		ug/Kg		99	70 - 125
Trichlorofluoromethane	50.0	52.8		ug/Kg		106	60 - 145
Vinyl chloride	50.0	46.4		ug/Kg		93	55 - 135
Isopropyl Ether (DIPE)	50.0	48.3		ug/Kg		97	60 - 140
Ethyl-t-butyl ether (ETBE)	50.0	52.6		ug/Kg		105	60 - 140
tert-Butyl alcohol (TBA)	500	493		ug/Kg		99	70 - 135
p-Isopropyltoluene	50.0	48.2		ug/Kg		96	75 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	96		79 - 123
4-Bromofluorobenzene (Surr)	99		79 - 120
Dibromofluoromethane (Surr)	103		60 - 120

TestAmerica Irvine

QC Sample Results

Client: Ramboll US Corporation
Project/Site: Arroyo

TestAmerica Job ID: 440-203322-1

Lab Sample ID: LCSD 440-457902/5

Matrix: Solid

Analysis Batch: 457902

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	50.0	51.5		ug/Kg		103	70 - 130	1	20
1,1,1-Trichloroethane	50.0	49.4		ug/Kg		99	65 - 135	1	20
1,1,2,2-Tetrachloroethane	50.0	54.3		ug/Kg		109	55 - 140	1	30
1,1,2-Trichloroethane	50.0	51.5		ug/Kg		103	65 - 135	1	20
1,1-Dichloroethane	50.0	50.1		ug/Kg		100	70 - 130	2	20
1,1-Dichloroethene	50.0	49.2		ug/Kg		98	70 - 125	2	20
1,1-Dichloropropene	50.0	51.2		ug/Kg		102	70 - 130	1	20
1,2,3-Trichlorobenzene	50.0	54.2		ug/Kg		108	60 - 130	2	20
1,2,3-Trichloropropane	50.0	54.4		ug/Kg		109	60 - 135	4	25
1,2,4-Trichlorobenzene	50.0	52.7		ug/Kg		105	70 - 135	2	20
1,2,4-Trimethylbenzene	50.0	49.2		ug/Kg		98	70 - 125	3	20
1,2-Dibromo-3-Chloropropane	50.0	53.8		ug/Kg		108	50 - 135	4	30
1,2-Dibromoethane (EDB)	50.0	53.3		ug/Kg		107	70 - 130	1	20
1,2-Dichlorobenzene	50.0	53.1		ug/Kg		106	75 - 120	2	20
1,2-Dichloroethane	50.0	53.2		ug/Kg		106	60 - 140	3	20
1,2-Dichloropropane	50.0	50.7		ug/Kg		101	70 - 130	4	20
1,3,5-Trimethylbenzene	50.0	49.8		ug/Kg		100	70 - 125	2	20
1,3-Dichlorobenzene	50.0	51.7		ug/Kg		103	75 - 125	3	20
1,3-Dichloropropane	50.0	49.7		ug/Kg		99	70 - 125	3	20
1,4-Dichlorobenzene	50.0	50.0		ug/Kg		100	75 - 120	1	20
2,2-Dichloropropane	50.0	54.4		ug/Kg		109	60 - 145	1	20
2-Chlorotoluene	50.0	49.4		ug/Kg		99	70 - 125	3	20
4-Chlorotoluene	50.0	50.9		ug/Kg		102	75 - 125	4	20
Benzene	50.0	50.5		ug/Kg		101	65 - 120	1	20
Bromobenzene	50.0	51.9		ug/Kg		104	75 - 120	2	20
Bromochloromethane	50.0	55.4		ug/Kg		111	70 - 135	2	20
Bromodichloromethane	50.0	52.2		ug/Kg		104	70 - 135	1	20
Bromoform	50.0	55.2		ug/Kg		110	55 - 135	2	25
Bromomethane	50.0	49.3		ug/Kg		99	60 - 145	12	20
Carbon tetrachloride	50.0	50.9		ug/Kg		102	65 - 140	2	20
Chlorobenzene	50.0	45.9		ug/Kg		92	75 - 120	1	20
Chloroethane	50.0	53.1		ug/Kg		106	60 - 140	7	25
Chloroform	50.0	50.8		ug/Kg		102	70 - 130	1	20
Chloromethane	50.0	46.9		ug/Kg		94	45 - 145	4	25
cis-1,2-Dichloroethene	50.0	51.4		ug/Kg		103	70 - 125	2	20
cis-1,3-Dichloropropene	50.0	49.5		ug/Kg		99	75 - 125	2	20
Dibromochloromethane	50.0	53.2		ug/Kg		106	65 - 140	1	20
Dibromomethane	50.0	53.4		ug/Kg		107	70 - 130	3	20
Dichlorodifluoromethane	50.0	57.8		ug/Kg		116	35 - 160	4	30
Ethylbenzene	50.0	46.6		ug/Kg		93	70 - 125	1	20
Hexachlorobutadiene	50.0	49.8		ug/Kg		100	60 - 135	1	20
Isopropylbenzene	50.0	47.4		ug/Kg		95	75 - 130	1	20
m,p-Xylene	50.0	47.1		ug/Kg		94	70 - 125	1	20
Methylene Chloride	50.0	52.4		ug/Kg		105	55 - 135	1	20
Methyl-t-Butyl Ether (MTBE)	50.0	55.9		ug/Kg		112	60 - 140	3	25
Naphthalene	50.0	55.4		ug/Kg		111	55 - 135	2	25
n-Butylbenzene	50.0	48.8		ug/Kg		98	70 - 130	2	20
N-Propylbenzene	50.0	49.1		ug/Kg		98	70 - 130	3	20
o-Xylene	50.0	47.3		ug/Kg		95	70 - 125	0	20
sec-Butylbenzene	50.0	48.7		ug/Kg		97	70 - 125	3	20

TestAmerica Irvine

QC Sample Results

Client: Ramboll US Corporation
Project/Site: Arroyo

TestAmerica Job ID: 440-203322-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 440-457902/5

Matrix: Solid

Analysis Batch: 457902

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Styrene	50.0	48.2		ug/Kg		96	75 - 130	2	20
Tert-amyl-methyl ether (TAME)	50.0	49.6		ug/Kg		99	60 - 145	2	20
tert-Butylbenzene	50.0	49.5		ug/Kg		99	70 - 125	4	20
Tetrachloroethene	50.0	49.0		ug/Kg		98	70 - 125	2	20
Toluene	50.0	45.6		ug/Kg		91	70 - 125	0	20
trans-1,2-Dichloroethene	50.0	51.5		ug/Kg		103	70 - 125	4	20
trans-1,3-Dichloropropene	50.0	52.1		ug/Kg		104	70 - 135	1	20
Trichloroethene	50.0	50.5		ug/Kg		101	70 - 125	2	20
Trichlorofluoromethane	50.0	53.1		ug/Kg		106	60 - 145	1	25
Vinyl chloride	50.0	47.6		ug/Kg		95	55 - 135	3	25
Isopropyl Ether (DIPE)	50.0	50.1		ug/Kg		100	60 - 140	4	20
Ethyl-t-butyl ether (ETBE)	50.0	54.2		ug/Kg		108	60 - 140	3	20
tert-Butyl alcohol (TBA)	500	502		ug/Kg		100	70 - 135	2	20
p-Isopropyltoluene	50.0	47.8		ug/Kg		96	75 - 125	1	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Toluene-d8 (Surr)	98		79 - 123
4-Bromofluorobenzene (Surr)	99		79 - 120
Dibromofluoromethane (Surr)	105		60 - 120

Lab Sample ID: MB 440-458147/5

Matrix: Solid

Analysis Batch: 458147

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		100	ug/Kg			02/17/18 09:50	100

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	101		60 - 140		02/17/18 09:50	100
4-Bromofluorobenzene (Surr)	89		65 - 140		02/17/18 09:50	100
Dibromofluoromethane (Surr)	109		55 - 140		02/17/18 09:50	100

Lab Sample ID: LCS 440-458147/15

Matrix: Solid

Analysis Batch: 458147

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dichloroethane	2500	2440		ug/Kg		97	60 - 145

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	105		60 - 140
4-Bromofluorobenzene (Surr)	91		65 - 140
Dibromofluoromethane (Surr)	107		55 - 140

TestAmerica Irvine

QC Sample Results

Client: Ramboll US Corporation
Project/Site: Arroyo

TestAmerica Job ID: 440-203322-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 440-458147/16

Matrix: Solid

Analysis Batch: 458147

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dichloroethane	2500	2560		ug/Kg		102	60 - 145	5	20
Surrogate	%Recovery	LCSD Qualifier	Limits						
Toluene-d8 (Surr)	99		60 - 140						
4-Bromofluorobenzene (Surr)	89		65 - 140						
Dibromofluoromethane (Surr)	105		55 - 140						

Lab Sample ID: MB 440-458262/5

Matrix: Solid

Analysis Batch: 458262

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		5.0	ug/Kg			02/19/18 08:44	1
Surrogate	%Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac		
Toluene-d8 (Surr)	109		79 - 123		02/19/18 08:44	1		
4-Bromofluorobenzene (Surr)	103		79 - 120		02/19/18 08:44	1		
Dibromofluoromethane (Surr)	110		60 - 120		02/19/18 08:44	1		

Lab Sample ID: LCS 440-458262/6

Matrix: Solid

Analysis Batch: 458262

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte			Spike	LCS	LCS	Unit	D	%Rec	%Rec.			
			Added	Result	Qualifier			Limits				
Naphthalene			50.0	54.6		ug/Kg		109	55 - 135			
Surrogate	LCS	LCS	Limits									
	%Recovery	Qualifier										
	Toluene-d8 (Surr)	104										79 - 123
	4-Bromofluorobenzene (Surr)	103										79 - 120
	Dibromofluoromethane (Surr)	109										60 - 120

Lab Sample ID: 440-203332-B-75 MS

Matrix: Solid

Analysis Batch: 458262

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Naphthalene	ND		49.5	50.5		ug/Kg		102	40 - 150		
Surrogate	MS %Recovery	MS Qualifier	Limits								
Toluene-d8 (Surr)	106		79 - 123								
4-Bromofluorobenzene (Surr)	104		79 - 120								
Dibromofluoromethane (Surr)	97		60 - 120								

TestAmerica Irvine

QC Sample Results

Client: Ramboll US Corporation
Project/Site: Arroyo

TestAmerica Job ID: 440-203322-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 440-203332-B-75 MSD

Matrix: Solid

Analysis Batch: 458262

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Naphthalene	ND		49.6	50.5		ug/Kg		102	40 - 150	0	40
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
Toluene-d8 (Surr)	105		79 - 123								
4-Bromofluorobenzene (Surr)	103		79 - 120								
Dibromofluoromethane (Surr)	94		60 - 120								

Method: 8015B - Gasoline Range Organics - (GC)

Lab Sample ID: MB 440-458074/31

Matrix: Solid

Analysis Batch: 458074

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	ND		400	ug/Kg			02/17/18 04:09	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		65 - 140				02/17/18 04:09	1

Lab Sample ID: LCS 440-458074/29

Matrix: Solid

Analysis Batch: 458074

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits	
GRO (C4-C12)	1600	1460		ug/Kg		91	70 - 135	
Surrogate	LCS %Recovery	LCS Qualifier	Limits					
4-Bromofluorobenzene (Surr)	98		65 - 140					

Lab Sample ID: LCSD 440-458074/30

Matrix: Solid

Analysis Batch: 458074

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
GRO (C4-C12)	1600	1480		ug/Kg		92	70 - 135	1	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
4-Bromofluorobenzene (Surr)	100		65 - 140						

Lab Sample ID: MB 440-458111/34

Matrix: Solid

Analysis Batch: 458111

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	ND		400	ug/Kg			02/17/18 08:47	1

TestAmerica Irvine

QC Sample Results

Client: Ramboll US Corporation
Project/Site: Arroyo

TestAmerica Job ID: 440-203322-1

Method: 8015B - Gasoline Range Organics - (GC) (Continued)

Lab Sample ID: MB 440-458111/34

Matrix: Solid

Analysis Batch: 458111

Client Sample ID: Method Blank

Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		65 - 140		02/17/18 08:47	1

Lab Sample ID: LCS 440-458111/32

Matrix: Solid

Analysis Batch: 458111

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
GRO (C4-C12)	1600	1470		ug/Kg		92	70 - 135

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		65 - 140

Lab Sample ID: LCSD 440-458111/33

Matrix: Solid

Analysis Batch: 458111

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
GRO (C4-C12)	1600	1440		ug/Kg		90	70 - 135	2	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	109		65 - 140

Lab Sample ID: MB 440-458183/5

Matrix: Solid

Analysis Batch: 458183

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	ND		400	ug/Kg			02/17/18 13:41	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		65 - 140		02/17/18 13:41	1

Lab Sample ID: LCS 440-458183/3

Matrix: Solid

Analysis Batch: 458183

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
GRO (C4-C12)	1600	1620		ug/Kg		101	70 - 135

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		65 - 140

TestAmerica Irvine

QC Sample Results

Client: Ramboll US Corporation
Project/Site: Arroyo

TestAmerica Job ID: 440-203322-1

Method: 8015B - Gasoline Range Organics - (GC) (Continued)

Lab Sample ID: LCSD 440-458183/4

Matrix: Solid

Analysis Batch: 458183

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
GRO (C4-C12)	1600	1570		ug/Kg		98	70 - 135	3	20
Surrogate	%Recovery	LCSD Qualifier	Limits						
4-Bromofluorobenzene (Surr)	113		65 - 140						

Lab Sample ID: 440-203332-B-65 MS

Matrix: Solid

Analysis Batch: 458183

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
GRO (C4-C12)	ND		1580	1090		ug/Kg		69	60 - 140		
Surrogate	%Recovery	MS Qualifier	Limits								
4-Bromofluorobenzene (Surr)	87		65 - 140								

Lab Sample ID: 440-203332-B-65 MSD

Matrix: Solid

Analysis Batch: 458183

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
GRO (C4-C12)	ND		1570	1030		ug/Kg		65	60 - 140	5	30
Surrogate	%Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	82		65 - 140								

Lab Sample ID: MB 440-458283/6

Matrix: Solid

Analysis Batch: 458283

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	ND		40000	ug/Kg			02/19/18 09:58	100
Surrogate	%Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac		
4-Bromofluorobenzene (Surr)	101		65 - 140		02/19/18 09:58	100		

Lab Sample ID: LCS 440-458283/4

Matrix: Solid

Analysis Batch: 458283

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
GRO (C4-C12)	160000	135000		ug/Kg		84	70 - 135		
Surrogate	%Recovery	LCS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	111		65 - 140						

TestAmerica Irvine

QC Sample Results

Client: Ramboll US Corporation
Project/Site: Arroyo

TestAmerica Job ID: 440-203322-1

Method: 8015B - Gasoline Range Organics - (GC) (Continued)

Lab Sample ID: LCSD 440-458283/5

Matrix: Solid

Analysis Batch: 458283

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
GRO (C4-C12)	160000	129000		ug/Kg		81	70 - 135	4	20
Surrogate	%Recovery	LCSD Qualifier	Limits						
4-Bromofluorobenzene (Surr)	106		65 - 140						

Lab Sample ID: MB 440-458285/6

Matrix: Solid

Analysis Batch: 458285

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	ND		400	ug/Kg			02/19/18 10:11	1
Surrogate	%Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		65 - 140				02/19/18 10:11	1

Lab Sample ID: LCS 440-458285/4

Matrix: Solid

Analysis Batch: 458285

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
GRO (C4-C12)	1600	1530		ug/Kg		95	70 - 135		
Surrogate	%Recovery	LCS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	117		65 - 140						

Lab Sample ID: LCSD 440-458285/5

Matrix: Solid

Analysis Batch: 458285

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
GRO (C4-C12)	1600	1510		ug/Kg		95	70 - 135	1	20
Surrogate	%Recovery	LCSD Qualifier	Limits						
4-Bromofluorobenzene (Surr)	112		65 - 140						

Lab Sample ID: MB 440-458483/25

Matrix: Solid

Analysis Batch: 458483

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	ND		400	ug/Kg			02/19/18 20:12	1
Surrogate	%Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		65 - 140				02/19/18 20:12	1

TestAmerica Irvine

QC Sample Results

Client: Ramboll US Corporation
Project/Site: Arroyo

TestAmerica Job ID: 440-203322-1

Method: 8015B - Gasoline Range Organics - (GC) (Continued)

Lab Sample ID: LCS 440-458483/23

Matrix: Solid

Analysis Batch: 458483

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
GRO (C4-C12)			1600	1580		ug/Kg		99	70 - 135		
Surrogate	LCS %Recovery	LCS Qualifier	Limits								
4-Bromofluorobenzene (Surr)	115		65 - 140								

Lab Sample ID: LCSD 440-458483/24

Matrix: Solid

Analysis Batch: 458483

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

			Spike	LCSD	LCSD				%Rec.		RPD
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
GRO (C4-C12)			1600	1580		ug/Kg	-	99	70 - 135	0	20
Surrogate	LCSD	LCSD									
	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	108		65 - 140								

Lab Sample ID: 440-203408-A-1 MS

Matrix: Solid

Analysis Batch: 458483

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
GRO (C4-C12)	ND		1600	1210		ug/Kg		76	60 - 140		
Surrogate	MS %Recovery	MS Qualifier	Limits								
4-Bromofluorobenzene (Surr)	92		65 - 140								

Lab Sample ID: 440-203408-A-1 MSD

Matrix: Solid

Analysis Batch: 458483

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
GRO (C4-C12)	ND		1600	1050		ug/Kg	-	66	60 - 140	14	30
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	81		65 - 140								

Method: 8015B - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 440-457571/1-A

Matrix: Solid

Analysis Batch: 457450

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 457571

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C13-C23)	ND		5.0	mg/Kg		02/14/18 18:47	02/15/18 01:52	1
ORO C24-C40	5.11		5.0	mg/Kg		02/14/18 18:47	02/15/18 01:52	1

TestAmerica Irvine

QC Sample Results

Client: Ramboll US Corporation
Project/Site: Arroyo

TestAmerica Job ID: 440-203322-1

Method: 8015B - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: MB 440-457571/1-A

Matrix: Solid

Analysis Batch: 457450

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 457571

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Octacosane	92		40 - 140	02/14/18 18:47	02/15/18 01:52	1

Lab Sample ID: LCS 440-457571/2-A

Matrix: Solid

Analysis Batch: 457450

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 457571

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
EFH (C10-C28)	66.7	55.2		mg/Kg		83	45 - 115

Surrogate	LCS %Recovery	LCS Qualifier	Limits
n-Octacosane	83		40 - 140

Lab Sample ID: 440-203436-H-1-A MS

Matrix: Solid

Analysis Batch: 457450

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 457571

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
EFH (C10-C28)	37		139	101		mg/Kg		46	40 - 120

Surrogate	MS %Recovery	MS Qualifier	Limits
n-Octacosane	37	X	40 - 140

Lab Sample ID: 440-203436-H-1-B MSD

Matrix: Solid

Analysis Batch: 457450

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 457571

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	RPD Limit
EFH (C10-C28)	37		137	109		mg/Kg		52	40 - 120	7	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
n-Octacosane	47		40 - 140

Lab Sample ID: MB 440-457578/1-A

Matrix: Solid

Analysis Batch: 457407

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 457578

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C13-C23)	ND		5.0	mg/Kg		02/14/18 19:13	02/15/18 01:52	1
ORO C24-C40	ND		5.0	mg/Kg		02/14/18 19:13	02/15/18 01:52	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Octacosane	58		40 - 140	02/14/18 19:13	02/15/18 01:52	1

TestAmerica Irvine

QC Sample Results

Client: Ramboll US Corporation
Project/Site: Arroyo

TestAmerica Job ID: 440-203322-1

Method: 8015B - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 440-457578/2-A

Matrix: Solid

Analysis Batch: 457407

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 457578

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
EFH (C10-C28)	66.7	46.4		mg/Kg		70	45 - 115
Surrogate	%Recovery	LCS Qualifier	Limits				
n-Octacosane	65		40 - 140				

Lab Sample ID: 440-203322-1 MS

Matrix: Solid

Analysis Batch: 457407

Client Sample ID: SB-1-5

Prep Type: Total/NA

Prep Batch: 457578

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
EFH (C10-C28)	ND		66.4	49.0		mg/Kg		67	40 - 120
Surrogate	%Recovery	MS Qualifier	Limits						
n-Octacosane	68		40 - 140						

Lab Sample ID: 440-203322-1 MSD

Matrix: Solid

Analysis Batch: 457407

Client Sample ID: SB-1-5

Prep Type: Total/NA

Prep Batch: 457578

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
EFH (C10-C28)	ND		64.5	47.7		mg/Kg		67	40 - 120	3	30
Surrogate	%Recovery	MSD Qualifier	Limits								
n-Octacosane	61		40 - 140								

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 440-457855/1-A

Matrix: Solid

Analysis Batch: 457929

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 457855

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	ND		50	ug/Kg		02/15/18 17:24	02/17/18 02:41	1
Aroclor 1221	ND		50	ug/Kg		02/15/18 17:24	02/17/18 02:41	1
Aroclor 1232	ND		50	ug/Kg		02/15/18 17:24	02/17/18 02:41	1
Aroclor 1242	ND		50	ug/Kg		02/15/18 17:24	02/17/18 02:41	1
Aroclor 1248	ND		50	ug/Kg		02/15/18 17:24	02/17/18 02:41	1
Aroclor 1254	ND		50	ug/Kg		02/15/18 17:24	02/17/18 02:41	1
Aroclor 1260	ND		50	ug/Kg		02/15/18 17:24	02/17/18 02:41	1
Surrogate	%Recovery	MB Qualifier	Limits					
DCB Decachlorobiphenyl (Surr)	91		45 - 120					
				Prepared	Analyzed	Dil Fac		
				02/15/18 17:24	02/17/18 02:41	1		

TestAmerica Irvine

QC Sample Results

Client: Ramboll US Corporation
Project/Site: Arroyo

TestAmerica Job ID: 440-203322-1

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: LCS 440-457855/2-A

Matrix: Solid

Analysis Batch: 457929

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 457855

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aroclor 1016	267	241		ug/Kg		90	65 - 115
Aroclor 1260	267	247		ug/Kg		93	65 - 115

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	93		45 - 120

Lab Sample ID: 440-203322-3 MS

Matrix: Solid

Analysis Batch: 457929

Client Sample ID: SB-2-5

Prep Type: Total/NA

Prep Batch: 457855

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aroclor 1016	ND		265	240		ug/Kg		90	50 - 120
Aroclor 1260	ND		265	236		ug/Kg		89	50 - 125

Surrogate	MS %Recovery	MS Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	85		45 - 120

Lab Sample ID: 440-203322-3 MSD

Matrix: Solid

Analysis Batch: 457929

Client Sample ID: SB-2-5

Prep Type: Total/NA

Prep Batch: 457855

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Aroclor 1016	ND		258	231		ug/Kg		90	50 - 120	4	30
Aroclor 1260	ND		258	228		ug/Kg		88	50 - 125	3	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	85		45 - 120

Lab Sample ID: MB 440-458326/1-A

Matrix: Solid

Analysis Batch: 458343

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 458326

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	ND		50	ug/Kg		02/19/18 09:44	02/19/18 16:29	1
Aroclor 1221	ND		50	ug/Kg		02/19/18 09:44	02/19/18 16:29	1
Aroclor 1232	ND		50	ug/Kg		02/19/18 09:44	02/19/18 16:29	1
Aroclor 1242	ND		50	ug/Kg		02/19/18 09:44	02/19/18 16:29	1
Aroclor 1248	ND		50	ug/Kg		02/19/18 09:44	02/19/18 16:29	1
Aroclor 1254	ND		50	ug/Kg		02/19/18 09:44	02/19/18 16:29	1
Aroclor 1260	ND		50	ug/Kg		02/19/18 09:44	02/19/18 16:29	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	97		45 - 120	02/19/18 09:44	02/19/18 16:29	1

TestAmerica Irvine

QC Sample Results

Client: Ramboll US Corporation
Project/Site: Arroyo

TestAmerica Job ID: 440-203322-1

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: LCS 440-458326/2-A

Matrix: Solid

Analysis Batch: 458343

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 458326

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aroclor 1016	266	240		ug/Kg		90	65 - 115
Aroclor 1260	266	244		ug/Kg		92	65 - 115

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	95		45 - 120

Lab Sample ID: 440-203358-A-1-K MS

Matrix: Solid

Analysis Batch: 458343

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 458326

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aroclor 1016	ND		266	184		ug/Kg		69	50 - 120
Aroclor 1260	ND		266	182		ug/Kg		68	50 - 125

Surrogate	MS %Recovery	MS Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	70		45 - 120

Lab Sample ID: 440-203358-A-1-L MSD

Matrix: Solid

Analysis Batch: 458343

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 458326

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Aroclor 1016	ND		266	169		ug/Kg		63	50 - 120	8	30
Aroclor 1260	ND		266	166		ug/Kg		62	50 - 125	9	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	64		45 - 120

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 440-457937/1-A ^5

Matrix: Solid

Analysis Batch: 458096

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 457937

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		9.9	mg/Kg		02/16/18 08:42	02/16/18 17:26	5
Arsenic	ND		3.0	mg/Kg		02/16/18 08:42	02/16/18 17:26	5
Barium	ND		1.5	mg/Kg		02/16/18 08:42	02/16/18 17:26	5
Beryllium	ND		0.50	mg/Kg		02/16/18 08:42	02/16/18 17:26	5
Cadmium	ND		0.50	mg/Kg		02/16/18 08:42	02/16/18 17:26	5
Chromium	ND		0.99	mg/Kg		02/16/18 08:42	02/16/18 17:26	5
Cobalt	ND		0.99	mg/Kg		02/16/18 08:42	02/16/18 17:26	5
Copper	ND		2.0	mg/Kg		02/16/18 08:42	02/16/18 17:26	5
Lead	ND		2.0	mg/Kg		02/16/18 08:42	02/16/18 17:26	5
Molybdenum	ND		2.0	mg/Kg		02/16/18 08:42	02/16/18 17:26	5
Nickel	ND		2.0	mg/Kg		02/16/18 08:42	02/16/18 17:26	5
Selenium	ND		3.0	mg/Kg		02/16/18 08:42	02/16/18 17:26	5

TestAmerica Irvine

QC Sample Results

Client: Ramboll US Corporation
Project/Site: Arroyo

TestAmerica Job ID: 440-203322-1

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: MB 440-457937/1-A ^5

Matrix: Solid

Analysis Batch: 458096

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 457937

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		1.5	mg/Kg		02/16/18 08:42	02/16/18 17:26	5
Thallium	ND		9.9	mg/Kg		02/16/18 08:42	02/16/18 17:26	5
Vanadium	ND		0.99	mg/Kg		02/16/18 08:42	02/16/18 17:26	5
Zinc	ND		5.0	mg/Kg		02/16/18 08:42	02/16/18 17:26	5

Lab Sample ID: LCS 440-457937/2-A ^5

Matrix: Solid

Analysis Batch: 458096

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 457937

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	49.8	54.6		mg/Kg		110	80 - 120
Arsenic	49.8	51.5		mg/Kg		103	80 - 120
Barium	49.8	53.0		mg/Kg		107	80 - 120
Beryllium	49.8	50.8		mg/Kg		102	80 - 120
Cadmium	49.8	51.0		mg/Kg		102	80 - 120
Chromium	49.8	52.2		mg/Kg		105	80 - 120
Cobalt	49.8	51.9		mg/Kg		104	80 - 120
Copper	49.8	52.8		mg/Kg		106	80 - 120
Lead	49.8	51.9		mg/Kg		104	80 - 120
Molybdenum	49.8	53.7		mg/Kg		108	80 - 120
Nickel	49.8	52.0		mg/Kg		105	80 - 120
Selenium	49.8	48.1		mg/Kg		97	80 - 120
Silver	24.9	26.5		mg/Kg		106	80 - 120
Thallium	49.8	51.5		mg/Kg		103	80 - 120
Vanadium	49.8	51.9		mg/Kg		104	80 - 120
Zinc	49.8	50.7		mg/Kg		102	80 - 120

Lab Sample ID: 440-203520-A-1-B MS ^5

Matrix: Solid

Analysis Batch: 458096

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 457937

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	ND	F1	49.5	35.6	F1	mg/Kg		72	75 - 125
Arsenic	9.4		49.5	61.6		mg/Kg		105	75 - 125
Barium	200		49.5	254		mg/Kg		115	75 - 125
Beryllium	0.52		49.5	53.8		mg/Kg		108	75 - 125
Cadmium	0.94		49.5	52.1		mg/Kg		103	75 - 125
Chromium	25		49.5	86.9		mg/Kg		125	75 - 125
Cobalt	9.1		49.5	60.2		mg/Kg		103	75 - 125
Copper	25		49.5	81.6		mg/Kg		114	75 - 125
Lead	5.9		49.5	57.9		mg/Kg		105	75 - 125
Molybdenum	2.3		49.5	55.4		mg/Kg		107	75 - 125
Nickel	23		49.5	74.9		mg/Kg		104	75 - 125
Selenium	ND		49.5	49.9		mg/Kg		101	75 - 125
Silver	ND		24.8	26.3		mg/Kg		106	75 - 125
Thallium	ND		49.5	53.9		mg/Kg		109	75 - 125
Vanadium	55	F1	49.5	132	F1	mg/Kg		154	75 - 125
Zinc	51		49.5	108		mg/Kg		114	75 - 125

TestAmerica Irvine

QC Sample Results

Client: Ramboll US Corporation
Project/Site: Arroyo

TestAmerica Job ID: 440-203322-1

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: 440-203520-A-1-C MSD ^5

Matrix: Solid

Analysis Batch: 458096

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 457937

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Antimony	ND	F1	50.0	37.3		mg/Kg		75	75 - 125	5	20
Arsenic	9.4		50.0	57.7		mg/Kg		96	75 - 125	7	20
Barium	200		50.0	248		mg/Kg		102	75 - 125	2	20
Beryllium	0.52		50.0	51.9		mg/Kg		103	75 - 125	3	20
Cadmium	0.94		50.0	50.6		mg/Kg		99	75 - 125	3	20
Chromium	25		50.0	83.7		mg/Kg		118	75 - 125	4	20
Cobalt	9.1		50.0	59.7		mg/Kg		101	75 - 125	1	20
Copper	25		50.0	79.3		mg/Kg		109	75 - 125	3	20
Lead	5.9		50.0	55.9		mg/Kg		100	75 - 125	4	20
Molybdenum	2.3		50.0	54.4		mg/Kg		104	75 - 125	2	20
Nickel	23		50.0	76.2		mg/Kg		106	75 - 125	2	20
Selenium	ND		50.0	47.9		mg/Kg		96	75 - 125	4	20
Silver	ND		25.0	25.5		mg/Kg		102	75 - 125	3	20
Thallium	ND		50.0	52.0		mg/Kg		104	75 - 125	4	20
Vanadium	55	F1	50.0	124	F1	mg/Kg		138	75 - 125	6	20
Zinc	51		50.0	105		mg/Kg		107	75 - 125	3	20

Lab Sample ID: MB 440-457938/1-A ^5

Matrix: Solid

Analysis Batch: 458218

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 457938

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		2.0	mg/Kg		02/16/18 08:44	02/17/18 16:50	5

Lab Sample ID: LCS 440-457938/2-A ^5

Matrix: Solid

Analysis Batch: 458218

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 457938

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Lead	49.8	47.1		mg/Kg		95	80 - 120

Lab Sample ID: 440-203322-20 MS

Matrix: Solid

Analysis Batch: 458218

Client Sample ID: SB-6-10

Prep Type: Total/NA

Prep Batch: 457938

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Lead	3.8		49.5	50.9		mg/Kg		95	75 - 125

Lab Sample ID: 440-203322-20 MSD

Matrix: Solid

Analysis Batch: 458218

Client Sample ID: SB-6-10

Prep Type: Total/NA

Prep Batch: 457938

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Lead	3.8		49.3	51.5		mg/Kg		97	75 - 125	1	20

TestAmerica Irvine

QC Sample Results

Client: Ramboll US Corporation
Project/Site: Arroyo

TestAmerica Job ID: 440-203322-1

Method: 7471A - Mercury (CVAA)

Lab Sample ID: MB 440-457467/1-A

Matrix: Solid

Analysis Batch: 457839

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 457467

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.020	mg/Kg		02/14/18 11:39	02/15/18 12:53	1

Lab Sample ID: LCS 440-457467/2-A

Matrix: Solid

Analysis Batch: 457839

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 457467

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.800	0.802		mg/Kg		100	80 - 120

Lab Sample ID: 440-203322-3 MS

Matrix: Solid

Analysis Batch: 457839

Client Sample ID: SB-2-5

Prep Type: Total/NA

Prep Batch: 457467

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.26	F1	0.800	0.920		mg/Kg		83	70 - 130

Lab Sample ID: 440-203322-3 MSD

Matrix: Solid

Analysis Batch: 457839

Client Sample ID: SB-2-5

Prep Type: Total/NA

Prep Batch: 457467

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.26	F1	0.800	0.793	F1	mg/Kg		67	70 - 130	15	20

Lab Sample ID: MB 440-457776/1-A

Matrix: Solid

Analysis Batch: 457998

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 457776

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.020	mg/Kg		02/15/18 14:35	02/15/18 19:39	1

Lab Sample ID: LCS 440-457776/2-A

Matrix: Solid

Analysis Batch: 457998

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 457776

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.800	0.740		mg/Kg		93	80 - 120

Lab Sample ID: 440-203084-A-1-H MS ^10

Matrix: Solid

Analysis Batch: 457998

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 457776

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	8.2		0.784	9.15	4	mg/Kg		122	70 - 130

Lab Sample ID: 440-203084-A-1-I MSD ^10

Matrix: Solid

Analysis Batch: 457998

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 457776

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	8.2		0.816	10.8	4	mg/Kg		317	70 - 130	16	20

TestAmerica Irvine

QC Sample Results

Client: Ramboll US Corporation
Project/Site: Arroyo

TestAmerica Job ID: 440-203322-1

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QC Association Summary

Client: Ramboll US Corporation
Project/Site: Arroyo

TestAmerica Job ID: 440-203322-1

GC/MS VOA

Analysis Batch: 457637

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-203322-19	SB-6-5	Total/NA	Solid	8260B	457679
440-203322-20	SB-6-10	Total/NA	Solid	8260B	457679
440-203322-21	SB-6-15	Total/NA	Solid	8260B	457679
440-203322-22	SB-6-20	Total/NA	Solid	8260B	457679
440-203322-23	SB-7-5	Total/NA	Solid	8260B	457679
440-203322-24	SB-7-10	Total/NA	Solid	8260B	457679
440-203322-25	SB-7-15	Total/NA	Solid	8260B	457679
440-203322-26	SB-7-20	Total/NA	Solid	8260B	457679

Prep Batch: 457679

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-203322-19	SB-6-5	Total/NA	Solid	5035	
440-203322-20	SB-6-10	Total/NA	Solid	5035	
440-203322-21	SB-6-15	Total/NA	Solid	5035	
440-203322-22	SB-6-20	Total/NA	Solid	5035	
440-203322-23	SB-7-5	Total/NA	Solid	5035	
440-203322-24	SB-7-10	Total/NA	Solid	5035	
440-203322-25	SB-7-15	Total/NA	Solid	5035	
440-203322-26	SB-7-20	Total/NA	Solid	5035	

GC VOA

Prep Batch: 458065

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-203322-24	SB-7-10	Total/NA	Solid	5035	
440-203322-26	SB-7-20	Total/NA	Solid	5035	

Analysis Batch: 458074

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-203322-24	SB-7-10	Total/NA	Solid	8015B	458065
440-203322-26	SB-7-20	Total/NA	Solid	8015B	458065

Analysis Batch: 458183

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-203322-25	SB-7-15	Total/NA	Solid	8015B	458184

Prep Batch: 458184

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-203322-25	SB-7-15	Total/NA	Solid	5035	

Analysis Batch: 458285

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-203322-19	SB-6-5	Total/NA	Solid	8015B	458352
440-203322-20	SB-6-10	Total/NA	Solid	8015B	458352
440-203322-21	SB-6-15	Total/NA	Solid	8015B	458352
440-203322-22	SB-6-20	Total/NA	Solid	8015B	458352
440-203322-23	SB-7-5	Total/NA	Solid	8015B	458352

TestAmerica Irvine

QC Association Summary

Client: Ramboll US Corporation
Project/Site: Arroyo

TestAmerica Job ID: 440-203322-1

GC VOA (Continued)

Prep Batch: 458352

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-203322-19	SB-6-5	Total/NA	Solid	5035	
440-203322-20	SB-6-10	Total/NA	Solid	5035	
440-203322-21	SB-6-15	Total/NA	Solid	5035	
440-203322-22	SB-6-20	Total/NA	Solid	5035	
440-203322-23	SB-7-5	Total/NA	Solid	5035	

GC Semi VOA

Analysis Batch: 457407

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-203322-19	SB-6-5	Total/NA	Solid	8015B	457578
440-203322-20	SB-6-10	Total/NA	Solid	8015B	457578

Analysis Batch: 457450

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-203322-21	SB-6-15	Total/NA	Solid	8015B	457571
440-203322-22	SB-6-20	Total/NA	Solid	8015B	457571
440-203322-23	SB-7-5	Total/NA	Solid	8015B	457571
440-203322-24	SB-7-10	Total/NA	Solid	8015B	457571
440-203322-25	SB-7-15	Total/NA	Solid	8015B	457571
440-203322-26	SB-7-20	Total/NA	Solid	8015B	457571

Prep Batch: 457571

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-203322-21	SB-6-15	Total/NA	Solid	3546	
440-203322-22	SB-6-20	Total/NA	Solid	3546	
440-203322-23	SB-7-5	Total/NA	Solid	3546	
440-203322-24	SB-7-10	Total/NA	Solid	3546	
440-203322-25	SB-7-15	Total/NA	Solid	3546	
440-203322-26	SB-7-20	Total/NA	Solid	3546	

Prep Batch: 457578

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-203322-19	SB-6-5	Total/NA	Solid	3546	
440-203322-20	SB-6-10	Total/NA	Solid	3546	

Metals

Prep Batch: 457937

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-203322-19	SB-6-5	Total/NA	Solid	3050B	

Prep Batch: 457938

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-203322-20	SB-6-10	Total/NA	Solid	3050B	
440-203322-21	SB-6-15	Total/NA	Solid	3050B	
440-203322-22	SB-6-20	Total/NA	Solid	3050B	
440-203322-23	SB-7-5	Total/NA	Solid	3050B	
440-203322-24	SB-7-10	Total/NA	Solid	3050B	
440-203322-25	SB-7-15	Total/NA	Solid	3050B	

TestAmerica Irvine

QC Association Summary

Client: Ramboll US Corporation
Project/Site: Arroyo

TestAmerica Job ID: 440-203322-1

Metals (Continued)

Prep Batch: 457938 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-203322-26	SB-7-20	Total/NA	Solid	3050B	

Analysis Batch: 458096

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-203322-19	SB-6-5	Total/NA	Solid	6010B	457937

Analysis Batch: 458218

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-203322-20	SB-6-10	Total/NA	Solid	6010B	457938
440-203322-21	SB-6-15	Total/NA	Solid	6010B	457938
440-203322-22	SB-6-20	Total/NA	Solid	6010B	457938
440-203322-23	SB-7-5	Total/NA	Solid	6010B	457938
440-203322-24	SB-7-10	Total/NA	Solid	6010B	457938
440-203322-25	SB-7-15	Total/NA	Solid	6010B	457938
440-203322-26	SB-7-20	Total/NA	Solid	6010B	457938

Definitions/Glossary

Client: Ramboll US Corporation
Project/Site: Arroyo

TestAmerica Job ID: 440-203322-1

Qualifiers

GC Semi VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Accreditation/Certification Summary

Client: Ramboll US Corporation
Project/Site: Arroyo

TestAmerica Job ID: 440-203322-1

Laboratory: TestAmerica Irvine

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
Alaska	State Program	10	CA01531	06-30-18
Arizona	State Program	9	AZ0671	10-14-18
California	LA Cty Sanitation Districts	9	10256	06-30-18
California	State Program	9	CA ELAP 2706	06-30-18
Guam	State Program	9	Cert. No. 17-003R	01-23-18 *
Hawaii	State Program	9	N/A	01-29-19
Kansas	NELAP	7	E-10420	07-31-18
Nevada	State Program	9	CA015312018-1	07-31-18
New Mexico	State Program	6	N/A	01-29-19
Northern Mariana Islands	State Program	9	MP0002	01-29-17 *
Oregon	NELAP	10	4028	01-29-19
USDA	Federal		P330-15-00184	07-08-18
Washington	State Program	10	C900	09-03-18

* Accreditation/Certification renewal pending - accreditation/certification considered valid.


TestAmerica Irvine

UST PROJECT OR IS EDF REQUIRED? YES NO IF YES, GLOBAL ID# MSA # WORK ORDER #

PROJECT NAME/FACILITY ID Arroyo DATE 2/13/18 FIELD PERSON# Joshua Nandi

PROJECT LOCATION South Pasadena PROJECT MANAGER Seema Turner

PROJECT NUMBER 16910006135 LABORATORY Test America

Sampler Signature <i>JN</i>	SAMPLE ID NUMBER	SAMPLE DATE	SAMPLE TIME	SAMPLE DEPTH (F)	AIR SAMPLE VOLUME (L)	MATRIX: (A)IR; (G)AS; (W)ATER	NUMBER OF CONTAINERS	FILTERED/UNFILTERED (F/U)	PRESERVATION (SEE KEY)	Analysis Required							COMMENTS
										VOCs + Oxy (8260B)	GRE (8015B)	LEAD (6010B)	CAM metals (6010B)	Mercury (7471A)	PCO/PCO (8015B)	PCB (8082)	
		2/13/18	1030	5		S	9	U	✓	✓	✓	✓	✓	✓	✓	✓	Send opt to
			1100	8					✓	✓	✓	✓	✓	✓	✓	✓	to
			1400	5					✓	✓	✓	✓	✓	✓	✓	✓	Sturmer@ramboll.com
			1410	10					✓	✓	✓	✓	✓	✓	✓	✓	
			1415	15					✓	✓	✓	✓	✓	✓	✓	✓	
			1420	20					✓	✓	✓	✓	✓	✓	✓	✓	
			1440	5					✓	✓	✓	✓	✓	✓	✓	✓	
			1445	10					✓	✓	✓	✓	✓	✓	✓	✓	
			1450	15					✓	✓	✓	✓	✓	✓	✓	✓	
			1455	20					✓	✓	✓	✓	✓	✓	✓	✓	
		1300	5					✓	✓	✓	✓	✓	✓	✓	✓		
		1310	10					✓	✓	✓	✓	✓	✓	✓	✓		
TOTAL																	



440-203322 Chain of Custody

2/13/18

RELINQUISHED BY <i>JN</i>	TIME/DATE <u>1645 / 2/13/18</u>	RECEIVED BY COMPANY <u>Michael Robertson</u>	TIME/DATE <u>1645 / 2-13-18</u>	TURNAROUND TIME (CIRCLE ONE)	SAME DAY	72 HOURS
RELINQUISHED BY <i>[Signature]</i>	TIME/DATE <u>1845 / 2-13-18</u>	RECEIVED BY COMPANY <i>[Signature]</i>	TIME/DATE		24 HOURS	5 DAYS
RELINQUISHED BY	TIME/DATE	RECEIVED BY COMPANY <u>TAIRV</u>	TIME/DATE <u>2/13/18 18:45</u>	SAMPLE INTEGRITY INTACT Y N TEMP	SAMPLE INTEGRITY INTACT Y N	<u>(NORMAL)</u>

SWBU Office Locations: ☐ 18100 Von Karman Avenue, Suite 600, Irvine, CA 92612 +1 949 261 5151 +1 949 261 6202

☒ 350 S Grand Avenue, Suite 2800, Los Angeles, CA 90071 +1 213 943 6300 +1 213 943 6301

☐ 2111 East Highland Avenue, Suite 402, Phoenix, AZ 85016 +1 602 734 7700 +1 602 734-7701

UST PROJECT OR IS EDF REQUIRED? YES NO IF YES, GLOBAL ID# MSA # WORK ORDER #

PROJECT NAME/FACILITY ID Amigo DATE 2/13/18 FIELD PERSON# JL

PROJECT LOCATION Paradise PROJECT MANAGER ST

PROJECT NUMBER 1690006935 LABORATORY TA

Sampler Signature	SAMPLE ID NUMBER	SAMPLE DATE	SAMPLE TIME	SAMPLE DEPTH (F)	AIR SAMPLE VOLUME (L)	MATRIX: (A)IR; (G)AS; (W)ATER	NUMBER OF CONTAINERS	FILTERED/UNFILTERED (F/U)	PRESERVATION (SEE KEY)	Analysis Required										COMMENTS
										VOCs + MTBE - OXY (8260B)	CPRO (8015B)	Lead (6010B)	Cadm metals (6010B)	Manganese (7471A)	DEQ/000 (8015B)	PCB (8082)				
		2/13/18	1315	15		S	9	u	✓	✓	✓	✓			✓					
			1320	20					✓	✓	✓				✓					
			1330	5					✓	✓	✓				✓					
			1335	10					✓	✓	✓				✓					
			1340	15					✓	✓	✓				✓					
			1345	20					✓	✓	✓				✓					
			245	5					✓	✓	✓				✓					
	SB-6-5		700	10					✓	✓	✓				✓					
	SB-6-10		1150	15					✓	✓	✓				✓					
	SB-6-15		1200	20					✓	✓	✓				✓					
	SB-6-20		1220	5					✓	✓	✓				✓					
	SB-7-5		1230	10					✓	✓	✓				✓					
	SB-7-10																			
	TOTAL																			

RELINQUISHED BY	TIME/DATE <u>1645</u> <u>2/13/18</u>	RECEIVED BY COMPANY TA	TIME/DATE <u>2-13-18 1645</u>	TURNAROUND TIME (CIRCLE ONE)	SAME DAY	72 HOURS
RELINQUISHED BY	TIME/DATE <u>1845</u> <u>2-13-18</u>	RECEIVED BY COMPANY	TIME/DATE		24 HOURS	5 DAYS
RELINQUISHED BY	TIME/DATE	RECEIVED BY COMPANY TA/RV	TIME/DATE <u>2/13/18 1845</u>	SAMPLE INTEGRITY INTACT Y N TEMP	SAMPLE INTEGRITY INTACT Y N	<u>(NORMAL)</u>

SWBU Office Locations: ☐ 18100 Von Karman Avenue, Suite 600, Irvine, CA 92612 +1 949 261 5151 +1 949 261 6202

☒ 350 S Grand Avenue, Suite 2800, Los Angeles, CA 90071 +1 213 943 6300 +1 213 943 6301

☐ 2111 East Highland Avenue, Suite 402, Phoenix, AZ 85016 +1 602 734 7700 +1 602 734-7701

Login Sample Receipt Checklist

Client: Ramboll US Corporation

Job Number: 440-203322-1

Login Number: 203322

List Source: TestAmerica Irvine

List Number: 1

Creator: Soderblom, Tim

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	N/A	Not present
Sample custody seals, if present, are intact.	N/A	Not Present
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

**ATTACHMENT B
DATA VALIDATION**

Ramboll reviewed one laboratory report, dated March 6, 2018, by TestAmerica for the 1690006935 project. The report contains analytical data for soil and field quality control (QC) samples collected on February 13, 2018. All samples were analyzed for Volatile Organic Compounds (VOCs) by United States Environmental Protection Agency (USEPA) Method 8260B, for Gasoline Range Organics (GRO) and Diesel Range Organics/Oil Range Organics (DRO/ORO) by USEPA Method 8015B, and for lead by USEPA Method 6010B.

Ramboll's validation review was based on procedures published by the USEPA Contract Laboratory Program in their National Functional Guidelines for both organic and inorganic data review (USEPA 2017). The guidelines provide the criteria to review laboratory and field quality control information and attach the appropriate data qualifiers to the laboratory data. The QC information checked by Ramboll included chain-of-custody (COC) forms, holding times, reporting limits, matrix spike/matrix spike duplicate (MS/MSD) analyses, laboratory control sample/laboratory control sample duplicate (LCS/LCSD) analyses, surrogate recoveries, duplicates, and blanks.

Ramboll noted the following findings based on our review:

- The laboratory noted that this report was revised to show only the results for borings SB6 and SB7, and include the DRO/ORO results for EPA 8015B-extractable test. Samples SB-1 through SB-5, although present on the COC, will be reported separately. No data qualification is necessary.

VOCs

- For the Method 8260B MS/MSD analysis, the laboratory noted that the Percent Recovery (%R) value for 1,1,2,2-tetrachloroethane (1,1,2,2-PCA) was below the lower acceptable laboratory limit of 40%, at 14% (MS) and 4% (MSD) in analytical batch 457637. The Relative Percent Difference (RPD) limit exceeded the acceptable laboratory limit of 30%, at 119%. The laboratory noted that sample matrix interference is suspected because the associated LCS %R value was acceptable. Because 1,1,2,2-PCA was not detected above the reporting limit in the associated samples, the results for this analyte are "R"-qualified (results unusable).
- For the Method 8260B analysis, the laboratory noted that the MS/MSD %R value for trichloroethene (TCE) exceeded the upper acceptable laboratory limit of 140%, at 174% (MS) and 191% (MSD) in analytical batch 457637. The laboratory noted that sample matrix interference is suspected because the associated LCS recovery was acceptable. Because TCE was not detected above the reporting limit in the associated samples, no data qualification is necessary.
- For the Method 8015 analysis, the laboratory noted that ORO (C24-C40) was reported in the method blank in preparation batch 457571 at 5.11 mg/kg. The EPA Guidelines state that any reported concentration less than ten times the reported concentration in an associated blank (in this case, any concentrations less than 10 x 5.11 mg/kg, or 51.1 mg/kg) should be qualified as not detected. Because ORO was not detected above the reporting limit or was detected above the reporting limit in the associated samples but at less than 51.1 mg/kg, the results for ORO in Samples SB-6-15, SB-6-20, SB-7-5, SB-7-10, SB-7-20 are "U"-qualified (analyte was analyzed for, but not detected above the reporting limit).
- For the Method 8015-DRO analysis, the laboratory noted that the MS %R value for the surrogate n-octacosane in preparation batch 457571 was below the lower acceptable laboratory limit of 40%, at 37%. The laboratory noted that evidence of matrix interference is present due to the "dark clay-like" matrix and re-extraction and/or re-analysis was not performed. Because surrogate %R values were acceptable in the individual analytical samples, no data qualification is necessary.

Appendix H: Regulatory Database Report and Physical Setting Report (PSR)



DATABASE REPORT

Project Property: 465,491,503,525 & 577 South Arroyo
Parkway
465
Pasadena CA 91105

Project No: 136895.19R000-001.135

Report Type: Database Report

Order No: 20190215102

Requested by: EMG, Inc

Date Completed: February 19, 2019

Environmental Risk Information Services

A division of Glacier Media Inc.

1.866.517.5204 | info@erisinfo.com | erisinfo.com

Table of Contents

Table of Contents.....	2
Executive Summary.....	3
Executive Summary: Report Summary.....	4
Executive Summary: Site Report Summary - Project Property.....	8
Executive Summary: Site Report Summary - Surrounding Properties.....	9
Executive Summary: Summary by Data Source.....	39
Map.....	74
Aerial.....	77
Topographic Map.....	78
Detail Report.....	79
Unplottable Summary.....	489
Unplottable Report.....	490
Appendix: Database Descriptions.....	495
Definitions.....	507

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Executive Summary

Property Information:

Project Property: 465,491,503,525 & 577 South Arroyo Parkway
465 Pasadena CA 91105

Project No: 136895.19R000-001.135

Coordinates:

Latitude:	34.137103
Longitude:	-118.14781
UTM Northing:	3,777,952.80
UTM Easting:	394,170.16
UTM Zone:	UTM Zone 11S

Elevation: 794 FT

Order Information:

Order No: 20190215102
Date Requested: February 15, 2019
Requested by: EMG, Inc
Report Type: Database Report

Historicals/Products:

City Directory Search	CD - 1 Street Search
ERIS Xplorer	ERIS Xplorer
Excel Add-On	Excel Add-On
Physical Setting Report (PSR)	PSR

Executive Summary: Report Summary

Database	Searched	Search Radius	Project Property	Within 0.12mi	.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
<u>Standard Environmental Records</u>								
Federal								
NPL	Y	1	0	0	0	0	0	0
PROPOSED NPL	Y	1	0	0	0	0	0	0
DELETED NPL	Y	.5	0	0	0	0	-	0
SEMS	Y	.5	0	0	0	2	-	2
ODI	Y	.5	0	0	0	0	-	0
SEMS ARCHIVE	Y	.5	0	0	0	1	-	1
CERCLIS	Y	.5	0	0	0	3	-	3
IODI	Y	.5	0	0	0	0	-	0
CERCLIS NFRAP	Y	.5	0	0	0	1	-	1
CERCLIS LIENS	Y	.125	0	0	-	-	-	0
RCRA CORRACTS	Y	1	0	0	0	1	0	1
RCRA TSD	Y	.5	0	0	0	0	-	0
RCRA LQG	Y	.25	0	0	1	-	-	1
RCRA SQG	Y	.25	0	10	18	-	-	28
RCRA CESQG	Y	.25	0	1	0	-	-	1
RCRA NON GEN	Y	.25	1	6	21	-	-	28
FED ENG	Y	.5	0	0	0	0	-	0
FED INST	Y	.5	0	0	0	0	-	0
ERNS 1982 TO 1986	Y	.125	0	0	-	-	-	0
ERNS 1987 TO 1989	Y	.125	0	0	-	-	-	0
ERNS	Y	.125	0	0	-	-	-	0
FED BROWNFIELDS	Y	.5	0	0	1	0	-	1
FEMA UST	Y	.25	0	0	0	-	-	0
SEMS LIEN	Y	.125	0	0	-	-	-	0
SUPERFUND ROD	Y	1	0	0	0	0	0	0
State								
RESPONSE	Y	1	0	0	0	1	0	1

Database	Searched	Search Radius	Project Property	Within 0.12mi	.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
ENVIROSTOR	Y	1	0	2	1	6	3	12
DELISTED ENVS	Y	1	0	0	0	0	0	0
SWF/LF	Y	.5	0	0	0	0	-	0
HWP	Y	1	0	0	0	1	0	1
LDS	Y	.5	0	0	0	0	-	0
SWAT	Y	.5	0	0	0	0	-	0
LUST	Y	.5	0	2	0	0	-	2
DELISTED LST	Y	.5	0	0	0	0	-	0
UST	Y	.25	0	2	4	-	-	6
SWRCB SWF	Y	.5	0	0	0	0	-	0
UST CLOSURE	Y	.5	0	0	0	0	-	0
HHSS	Y	.25	0	7	11	-	-	18
AST	Y	.25	0	0	0	-	-	0
DELISTED TNK	Y	.25	0	3	2	-	-	5
CERS TANK	Y	.25	0	3	3	-	-	6
LUR	Y	.5	0	0	0	0	-	0
HLUR	Y	.5	0	0	0	0	-	0
DEED	Y	.5	0	0	0	0	-	0
VCP	Y	.5	0	0	0	1	-	1
CLEANUP SITES	Y	.5	0	0	1	0	-	1
DELISTED CTNK	Y	.25	0	0	0	-	-	0
HIST TANK	Y	.25	0	7	11	-	-	18
Tribal								
INDIAN LUST	Y	.5	0	0	0	0	-	0
INDIAN UST	Y	.25	0	0	0	-	-	0
DELISTED ILST	Y	.5	0	0	0	0	-	0
DELISTED IUST	Y	.25	0	0	0	-	-	0
County								
DELISTED COUNTY	Y	.25	0	0	0	-	-	0
BURBANK CUPA	Y	.25	0	0	0	-	-	0
UST ELSEGUNDO	Y	.25	0	0	0	-	-	0
UST SANTAFESP	Y	.25	0	0	0	-	-	0
SANTAMON AST	Y	.25	0	0	0	-	-	0
SANTAMON CUPA	Y	.25	0	0	0	-	-	0
UST SANTA MONICA	Y	.25	0	0	0	-	-	0
UST TORRANCE	Y	.25	0	0	0	-	-	0
VERNON CUPA	Y	.25	0	0	0	-	-	0
UST VERNON	Y	.25	0	0	0	-	-	0
LA HMS	Y	.25	0	11	15	-	-	26
UST LONGB	Y	.25	0	0	0	-	-	0

Database	Searched	Search Radius	Project Property	Within 0.12mi	.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
LA SWF	Y	.5	0	0	0	0	-	0
UST CLEANUP	Y	.5	0	0	0	0	-	0
MAHER SF	Y	.5	0	0	0	0	-	0
UST LA CITY	Y	.25	0	0	0	-	-	0
AST LA CITY	Y	.25	0	0	0	-	-	0
LA CITY HAZMAT	Y	.25	0	0	0	-	-	0

Additional Environmental Records

Federal

FINDS/FRS	Y	.125	2	29	-	-	-	31
TRIS	Y	.125	0	0	-	-	-	0
HMIRS	Y	.125	0	0	-	-	-	0
NCDL	Y	.125	0	0	-	-	-	0
TSCA	Y	.125	0	0	-	-	-	0
HIST TSCA	Y	.125	0	0	-	-	-	0
FTTS ADMIN	Y	.125	0	0	-	-	-	0
FTTS INSP	Y	.125	0	0	-	-	-	0
PRP	Y	.125	0	0	-	-	-	0
SCRD DRYCLEANER	Y	.5	0	0	0	0	-	0
ICIS	Y	.125	0	0	-	-	-	0
FED DRYCLEANERS	Y	.25	0	2	0	-	-	2
DELISTED FED DRY	Y	.25	0	0	0	-	-	0
FUDS	Y	1	0	0	0	0	0	0
MLTS	Y	.125	0	0	-	-	-	0
HIST MLTS	Y	.125	0	0	-	-	-	0
MINES	Y	.25	0	0	0	-	-	0
ALT FUELS	Y	.25	0	0	1	-	-	1
SSTS	Y	.25	0	1	0	-	-	1
PCB	Y	.5	0	0	0	0	-	0

State

DRYCLEANERS	Y	.25	0	14	5	-	-	19
DELISTED DRYCLEANERS	Y	.25	0	0	0	-	-	0
DRYC GRANT	Y	.25	0	0	0	-	-	0
HWSS CLEANUP	Y	.5	0	0	0	0	-	0
DTSC HWF	Y	.5	0	0	0	0	-	0
INSP COMP ENF	Y	1	0	0	0	0	0	0
SCH	Y	1	0	0	0	0	0	0
CHMIRS	Y	.125	0	2	-	-	-	2
HAZNET	Y	.125	2	87	-	-	-	89
HIST CHMIRS	Y	.125	0	0	-	-	-	0

Database	Searched	Search Radius	Project Property	Within 0.12mi	.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
HIST MANIFEST	Y	.125	0	17	-	-	-	17
HIST CORTESE	Y	.5	0	0	0	0	-	0
CDO/CAO	Y	.5	0	0	0	0	-	0
CERS HAZ	Y	.125	1	18	-	-	-	19
DELISTED HAZ	Y	.5	0	1	1	4	-	6
WASTE DISCHG	Y	.25	0	0	0	-	-	0
EMISSIONS	Y	.25	0	18	14	-	-	32
CDL	Y	.125	0	0	-	-	-	0

Tribal *No Tribal additional environmental record sources available for this State.*

County								
LA SML	Y	.5	0	1	1	1	-	3
SANTAMON HAZ	Y	.25	0	0	0	-	-	0
SANTAMON HW	Y	.25	0	0	0	-	-	0

Total:			6	244	111	22	3	386
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* PO – Property Only

* 'Property and adjoining properties' database search radii are set at 0.25 miles.

Executive Summary: Site Report Summary - Project Property

<i>Map Key</i>	<i>DB</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Direction</i>	<i>Distance (mi/ft)</i>	<i>Elev Diff (ft)</i>	<i>Page Number</i>
<u>1</u>	HAZNET	ABSOLUTE AUTOMOTIVE SERVICE INC	451 & 491 S ARROYO PKWY PASADENA CA 911050000	-	0.00 / 0.00	0	<u>79</u>
<u>2</u>	CERS HAZ	WHOLE FOODS #37	465 S ARROYO PKWY PASADENA CA 91105	-	0.00 / 0.00	3	<u>79</u>
<u>2</u>	FINDS/FRS	WHOLE FOODS #37	465 S ARROYO PKWY PASADENA CA 91105	-	0.00 / 0.00	3	<u>82</u>
<u>2</u>	HAZNET	MRS GOOCH'S NATURAL FOODS MARKET INC DBA WHOLE FOODS MARKET ARR 37	465 S ARROYO PKWY PASADENA CA 91105	-	0.00 / 0.00	3	<u>83</u>
<u>2</u>	RCRA NON GEN	MRS GOOCH'S NATURAL FOODS MARKET INC DBA WHOLE FOODS MARKET ARR 37	465 S ARROYO PKWY PASADENA CA 91105	-	0.00 / 0.00	3	<u>85</u>
<u>3</u>	FINDS/FRS	DONA ROSA BAKERY AND TAQUERIA	577 S ARROYO PKWY PASADENA CA 91105	-	0.00 / 0.00	-7	<u>86</u>

Executive Summary: Site Report Summary - Surrounding Properties

<i>Map Key</i>	<i>DB</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Direction</i>	<i>Distance (mi/ft)</i>	<i>Elev Diff (ft)</i>	<i>Page Number</i>
<u>4</u>	HAZNET	BUILDERS PLUS	112 E BELLVUE DR PASADENA CA 911050000	N	0.00 / 15.46	8	<u>86</u>
<u>5</u>	LA HMS		455 S ARROYO PKWY PASADENA CA 91105	NNE	0.00 / 21.77	3	<u>87</u>
<u>5</u>	HAZNET	DISCOUNT TIRE CENTERS #022	455 S Arroyo Pkwy Pasadena CA 911052529	NNE	0.00 / 21.77	3	<u>87</u>
<u>5</u>	HAZNET	DISCOUNT TIRE CTR #94	455 S ARROYO PKWY PASADENA CA 911052529	NNE	0.00 / 21.77	3	<u>89</u>
<u>5</u>	HAZNET	BELLEVUE VENTURES LLC	455 S ARROYO PKWY PASADENA CA 911052529	NNE	0.00 / 21.77	3	<u>91</u>
<u>5</u>	HAZNET	PRO AUTO CTR	455 S ARROYO PKWY PASADENA CA 911050000	NNE	0.00 / 21.77	3	<u>91</u>
<u>5</u>	HAZNET	BELVIEW CENTER	455 S ARROYO PKWY PASADENA CA 91105	NNE	0.00 / 21.77	3	<u>92</u>
<u>6</u>	HAZNET	CROWELL & LYONS EQUIP INC	495 SO ARROYO PARKWAY PASADENA CA 911050000	ENE	0.00 / 22.67	1	<u>93</u>
<u>7</u>	FINDS/FRS	CROWELL & LYONS EQUIPMENT INC	495 A ARROYO PKWY PASADENA CA 91105	ENE	0.00 / 22.69	1	<u>93</u>
<u>7</u>	RCRA NON GEN	CROWELL & LYONS EQUIPMENT INC	495 A ARROYO PKWY PASADENA CA 91105	ENE	0.00 / 22.69	1	<u>94</u>
<u>8</u>	FINDS/FRS	ARCO #0510	125 CALIFORNIA BLVD E PASADENA CA 91105	S	0.00 / 26.04	-8	<u>95</u>
<u>8</u>	HHSS	MILO PATTERSON	125 E CALIFORNIA PASADENA CA 91106	S	0.00 / 26.04	-8	<u>96</u>

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
<u>8</u>	HIST MANIFEST		125 E CALIFORNIA PASADENA CA 911050000	S	0.00 / 26.04	-8	<u>96</u>
<u>8</u>	LA HMS		125 E CALIFORNIA BLVD PASADENA CA 91115	S	0.00 / 26.04	-8	<u>98</u>
<u>8</u>	HAZNET	BP WEST COAST PRODUCTS LLC 00510	125 E CALIFORNIA AVE PASADENA CA 91105	S	0.00 / 26.04	-8	<u>98</u>
<u>8</u>	HAZNET	PATTERSON'S ARCO 510	125 E CALIFORNIA AVE PASADENA CA 911050000	S	0.00 / 26.04	-8	<u>99</u>
<u>8</u>	HAZNET	ARCO PRODUCTS COMPANY	125 E CALIFORNIA PASADENA CA 911050000	S	0.00 / 26.04	-8	<u>99</u>
<u>8</u>	HAZNET	BP WEST COAST PRODUCTS LLC 00510	125 E CALIFORNIA AVE PASADENA CA 911050000	S	0.00 / 26.04	-8	<u>101</u>
<u>9</u>	DELISTED TNK	ARCO FACILITY #510	125 E. CALIFORNIA AVE. Pasadena CA 91105	S	0.01 / 32.98	-9	<u>101</u>
<u>9</u>	HIST TANK	MILO PATTERSON	125 E CALIFORNIA PASADENA CA CA	S	0.01 / 32.98	-9	<u>101</u>
<u>10</u>	LUST	ARCO #0510	125 CALIFORNIA BLVD E PASADENA CA 91105	S	0.01 / 78.20	-10	<u>102</u>
Global ID / Status / Status Date: T0603702026 Completed - Case Closed 2004-12-03 00:00:00							
<u>11</u>	DRYCLEANERS	HOME VAN VECHTEN THE	450 S ARROYO PKWY PASADENA CA 911052530	NNE	0.02 / 84.23	4	<u>103</u>
<u>11</u>	EMISSIONS	DEREK BEDELL ENT IN,THE HOME V	450 S ARROYO PKY PASADENA CA 91105	NNE	0.02 / 84.23	4	<u>104</u>
<u>11</u>	EMISSIONS	DEREK BEDELL ENT IN,THE HOME V	450 S ARROYO PKWY PASADENA CA 91105	NNE	0.02 / 84.23	4	<u>105</u>
<u>11</u>	EMISSIONS	THE HOME-VAN VECHTEN	450 S ARROYO PKY PASADENA CA 91105	NNE	0.02 / 84.23	4	<u>106</u>

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
<u>11</u>	EMISSIONS	HOME & VAN VECHTEN, D. BEDELL	450 S ARROYO PKWY PASADENA CA 91105	NNE	0.02 / 84.23	4	<u>107</u>
<u>11</u>	FED DRYCLEANERS	HOME VAN VECHTEN THE	450 S ARROYO PKY PASADENA CA 91105	NNE	0.02 / 84.23	4	<u>107</u>
<u>11</u>	FINDS/FRS	HOME VAN VECHTEN THE	450 S ARROYO PKY PASADENA CA 91105-2530	NNE	0.02 / 84.23	4	<u>108</u>
<u>11</u>	HAZNET	HOME VAN VECHTEN THE	450 S ARROYO PKWY PASADENA CA 911052530	NNE	0.02 / 84.23	4	<u>108</u>
<u>11</u>	RCRA SQG	HOME VAN VECHTEN THE	450 S ARROYO PKY PASADENA CA 91105	NNE	0.02 / 84.23	4	<u>111</u>
<u>12</u>	HAZNET	IMAGE OF INK	474 S ARROYO PARKWAY PASADENA CA 911050000	NE	0.02 / 85.23	2	<u>113</u>
<u>12</u>	HAZNET	IMAGE OF INK	474 S ARROYO PARKWAY PASADENA CA 911050000	NE	0.02 / 85.23	2	<u>113</u>
<u>13</u>	CERS HAZ	Parkway Grill	510 S ARROYO PKWY PASADENA CA 91105	ESE	0.02 / 86.43	1	<u>114</u>
<u>13</u>	FINDS/FRS	PARKWAY GRILL	510 S ARROYO PKWY PASADENA CA 91105	ESE	0.02 / 86.43	1	<u>118</u>
<u>14</u>	DRYCLEANERS	1X LAUNDRY PARTNERS LIMITED	432 SOUTH ARROYO PARKWAY PASADENA CA 911010000	NNE	0.02 / 86.68	5	<u>119</u>
<u>14</u>	HIST MANIFEST		432 S ARROYO PARKWAY PASADENA CA 911010000	NNE	0.02 / 86.68	5	<u>119</u>
<u>14</u>	HIST MANIFEST		432 S ARROYO PARKWAY PASADENA CA 911010000	NNE	0.02 / 86.68	5	<u>120</u>
<u>14</u>	HIST MANIFEST		432 SOUTH ARROYO PARKWAY PASADENA CA 911010000	NNE	0.02 / 86.68	5	<u>121</u>

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
<u>14</u>	LA HMS		432 S ARROYO PKWY PASADENA CA 91103	NNE	0.02 / 86.68	5	<u>121</u>
<u>14</u>	HAZNET	1X MUNSON & WHITE COMPANY	432 S ARROYO PARKWAY PASADENA CA 911010000	NNE	0.02 / 86.68	5	<u>122</u>
<u>14</u>	HAZNET	1X LAUNDRY PARTNERS LIMITED	432 SOUTH ARROYO PARKWAY PASADENA CA 911010000	NNE	0.02 / 86.68	5	<u>122</u>
<u>14</u>	HAZNET	1X TYLER COBLEIGH	432 S ARROYO PARKWAY PASADENA CA 911010000	NNE	0.02 / 86.68	5	<u>123</u>
<u>15</u>	HAZNET	CUSTOM RIMS&TIRES	496 S ARROYO PKWY PASADENA CA 911050000	E	0.02 / 86.71	1	<u>123</u>
<u>15</u>	HAZNET	TIRE CENTER INC	496 S ARROYO PARKWAY PASADENA CA 911050000	E	0.02 / 86.71	1	<u>123</u>
<u>15</u>	HAZNET	EURO COLLISION INC.	496 S ARROYO PKWY PASADENA CA 911050000	E	0.02 / 86.71	1	<u>124</u>
<u>16</u>	CERS HAZ	Arroyo Chop House	536 S ARROYO PKWY PASADENA CA 91105	SE	0.02 / 87.52	-2	<u>125</u>
<u>16</u>	FINDS/FRS	ARROYO CHOP HOUSE	536 S ARROYO PKWY PASADENA CA 91105	SE	0.02 / 87.52	-2	<u>129</u>
<u>17</u>	CERS HAZ	BRYAN'S CLEANER & LAUNDRY	544 S ARROYO PKWY PASADENA CA 91105	SE	0.02 / 87.89	-2	<u>129</u>
<u>17</u>	DRYCLEANERS	BRYAN'S CLEANERS & DYERS INC	544 S ARROYO PKWY PASADENA CA 911050000	SE	0.02 / 87.89	-2	<u>131</u>
<u>17</u>	DRYCLEANERS	BRYAN'S CLEANERS	544 S ARROYO PKWY PASADENA CA 911050000	SE	0.02 / 87.89	-2	<u>132</u>
<u>17</u>	EMISSIONS	BRYAN'S CLEANERS & DYERS INC	544 S ARROYO PKY PASADENA CA 91105	SE	0.02 / 87.89	-2	<u>132</u>

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
<u>17</u>	EMISSIONS	BRYANS CLEANERS & DYERS INC	544 S. ARROYO PARKWAY PASADENA CA 91101	SE	0.02 / 87.89	-2	<u>134</u>
<u>17</u>	EMISSIONS	BRYAN'S CLEANERS & DYERS INC	544 S ARROYO PARKWAY PASADENA CA 91105	SE	0.02 / 87.89	-2	<u>135</u>
<u>17</u>	FED DRYCLEANERS	BRYANS CLEANERS INCORPORATED	544 SOUTH ARROYO PARKWAY PASADENA CA 91105	SE	0.02 / 87.89	-2	<u>137</u>
<u>17</u>	FINDS/FRS	BRYANS CLEANERS INCORPORATED	544 SOUTH ARROYO PARKWAY PASADENA CA 91105-2583	SE	0.02 / 87.89	-2	<u>137</u>
<u>17</u>	HHSS	BRYANS CLEANERS INC	544 SO ARROYO PARKWAY PASADENA CA 91105	SE	0.02 / 87.89	-2	<u>138</u>
<u>17</u>	HIST MANIFEST		544 S ARROYO PKWY PASADENA CA 911050000	SE	0.02 / 87.89	-2	<u>138</u>
<u>17</u>	HIST MANIFEST		544 SOUTH ARROYO PARKWAY PASADENA CA 911050000	SE	0.02 / 87.89	-2	<u>142</u>
<u>17</u>	LA HMS		544 S ARROYO PKWY PASADENA CA 91105	SE	0.02 / 87.89	-2	<u>143</u>
<u>17</u>	HIST TANK	BRYAN'S CLEANERS INC.	544 SO ARROYO PARKWAY PASADENA CA	SE	0.02 / 87.89	-2	<u>143</u>
<u>17</u>	HAZNET	1X BRIAN'S CLEANING INC.	544 SOUTH ARROYO PARKWAY PASADENA CA 911050000	SE	0.02 / 87.89	-2	<u>143</u>
<u>17</u>	HAZNET	BRYAN'S CLEANERS & DYERS INC	544 S ARROYO PKWY PASADENA CA 911050000	SE	0.02 / 87.89	-2	<u>144</u>
<u>17</u>	HAZNET	BRYAN'S CLEANERS	544 S ARROYO PKWY PASADENA CA 911050000	SE	0.02 / 87.89	-2	<u>152</u>
<u>17</u>	RCRA SQG	BRYANS CLEANERS INC	544 S ARROYO PARKWAY PASADENA CA 91105	SE	0.02 / 87.89	-2	<u>153</u>

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
<u>18</u>	HAZNET	SAN MARINO POOL & PATIO	100 E CALIFORNIA BLVD PASADENA CA 911050000	SSW	0.02 / 98.23	-9	<u>154</u>
<u>18</u>	LA SML	100 E CALIFORNIA	100 E CALIFORNIA BLVD PASADENA CA 91105	SSW	0.02 / 98.23	-9	<u>155</u>
<u>19</u>	CERS HAZ	T-Mobile West, LLC IE24799A	411 S ARROYO PKWY PASADENA CA 91105	NNE	0.02 / 120.98	6	<u>155</u>
<u>19</u>	FINDS/FRS	T-MOBILE WEST CORPORATION IE24799A	411 S ARROYO PKWY PASADENA CA 91105	NNE	0.02 / 120.98	6	<u>159</u>
<u>19</u>	LA HMS		411 S ARROYO PKWY PASADENA CA 91105	NNE	0.02 / 120.98	6	<u>160</u>
<u>19</u>	HAZNET	ARROYO STORAGE LLC	411 ARROYO PARKWAY PASADENA CA 911050000	NNE	0.02 / 120.98	6	<u>160</u>
<u>20</u>	UST	ARROYO CAR WASH CORP	605 S ARROYO PKWY PASADENA CA 91105 <i>Facility ID: LACoFA0003316</i>	S	0.02 / 131.83	-11	<u>161</u>
<u>21</u>	CERS TANK	ARROYO CAR WASH CORP	605 S ARROYO PKWY PASADENA CA 91105	SSE	0.04 / 190.24	-12	<u>161</u>
<u>21</u>	FINDS/FRS	ARROYO CAR WASH CORP	605 S ARROYO PKWY PASADENA CA 91105	SSE	0.04 / 190.24	-12	<u>165</u>
<u>21</u>	HHSS	ARROYO CALIFORNIA CAR WASH	605 S. ARROYO PKWAY PASADENA CA 91105	SSE	0.04 / 190.24	-12	<u>166</u>
<u>21</u>	LA HMS		605 S ARROYO PKWY PASADENA CA 91105	SSE	0.04 / 190.24	-12	<u>166</u>
<u>21</u>	HIST TANK	ARROYO CALIFORNIA CAR WASH	605 S. ARROYO PKWAY PASADENA CA	SSE	0.04 / 190.24	-12	<u>166</u>
<u>21</u>	HAZNET	LUNG CHU	605 S ARROYA PKWY PASADENA CA 911050000	SSE	0.04 / 190.24	-12	<u>166</u>

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
<u>21</u>	HAZNET	TOSCO UNOCAL DEALER	605 SO ARROYO PARKWAY PASADENA CA 911050000	SSE	0.04 / 190.24	-12	<u>167</u>
<u>21</u>	HAZNET	ARROYO CARWASH INC	605 S ARROYO PKWY PASADENA CA 911053207	SSE	0.04 / 190.24	-12	<u>168</u>
<u>21</u>	HAZNET	UNOCAL SERVICE STATION_#9693	605 SO ARROYO PARKWAY PASADENA CA 911050000	SSE	0.04 / 190.24	-12	<u>168</u>
<u>22</u>	CERS HAZ	PLATI GERMAN CAR SERVICE	442 S RAYMOND AVE PASADENA CA 91105	NW	0.04 / 202.89	6	<u>169</u>
<u>22</u>	FINDS/FRS	PLATI GERMAN CAR SERVICE	442 S RAYMOND ST PASADENA CA 91105	NW	0.04 / 202.89	6	<u>171</u>
<u>22</u>	HAZNET	PLATI GERMAN CAR SERV & REPAIR	442 SOUTH RAYMOND AVE PASADENA CA 911050000	NW	0.04 / 202.89	6	<u>171</u>
<u>22</u>	HAZNET	PLATI GERMAN CAR SVC	442 S RAYMOND AVE PASADENA CA 911050000	NW	0.04 / 202.89	6	<u>174</u>
<u>22</u>	HAZNET	PLATI GERMAN CAR SERVICE	442 SO RAYMOND AVE PASADENA CA 911050000	NW	0.04 / 202.89	6	<u>179</u>
<u>22</u>	RCRA SQG	PLATI GERMAN CAR SERVICE	442 S RAYMOND ST PASADENA CA 91105	NW	0.04 / 202.89	6	<u>180</u>
<u>23</u>	HIST MANIFEST		450 SOUTH RAYMOND PASADENA CA 911050000	NW	0.04 / 203.59	6	<u>181</u>
<u>23</u>	HAZNET	ABSOLUTE AUTOMOTIVE SVS INC.	450 SOUTH RAYMOND PASADENA CA 911050000	NW	0.04 / 203.59	6	<u>183</u>
<u>24</u>	CERS HAZ	U-Haul Moving & Storage of Pasadena	552 S. RAYMOND AVE. PASADENA CA 91105	SW	0.04 / 203.89	-5	<u>185</u>
<u>24</u>	CHMIRS	Uhaul W Covina	552 S Raymond Ave Pasadena CA 91105	SW	0.04 / 203.89	-5	<u>187</u>

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
<u>24</u>	FINDS/FRS	U-HAUL MOVING & STORAGE OF PASADENA	552 S. RAYMOND AVE. PASADENA CA 91105	SW	0.04 / 203.89	-5	<u>189</u>
<u>24</u>	HHSS	RASADENA MOVING CENTER	552 S RAYMOND PASADENA CA 91105	SW	0.04 / 203.89	-5	<u>190</u>
<u>24</u>	HIST MANIFEST		552 S RAYMOND AVE PASADENA CA 911050000	SW	0.04 / 203.89	-5	<u>190</u>
<u>24</u>	HIST TANK	PASADENA MOVING CENTER	552 S RAYMOND PASADENA CA	SW	0.04 / 203.89	-5	<u>191</u>
<u>24</u>	HAZNET	U-HAUL INC	552 S RAYMOND AVE PASADENA CA 911050000	SW	0.04 / 203.89	-5	<u>191</u>
<u>24</u>	HAZNET	U-HAUL PASADENA 713-64	552 S RAYMOND AVE PASADENA CA 911050000	SW	0.04 / 203.89	-5	<u>191</u>
<u>25</u>	HIST MANIFEST		474-494 SOUTH RAYMOND PASADENA CA 911050000	NW	0.04 / 204.34	4	<u>192</u>
<u>25</u>	HAZNET	1X 220 NORTH LAKE, INC.	474-494 SOUTH RAYMOND PASADENA CA 911050000	NW	0.04 / 204.34	4	<u>193</u>
<u>26</u>	CERS TANK	SOUTHERN CALIFORNIA PUBLIC RADIO	474 S RAYMOND AVE PASADENA CA 91105	WNW	0.04 / 204.73	4	<u>193</u>
<u>26</u>	DELISTED HAZ	SOUTHERN CALIFORNIA PUBLIC RADIO	474 S RAYMOND AVE PASADENA CA 91105	WNW	0.04 / 204.73	4	<u>195</u>
<u>26</u>	FINDS/FRS	SOUTHERN CALIFORNIA PUBLIC RADIO	474 S RAYMOND AVE PASADENA CA 91105	WNW	0.04 / 204.73	4	<u>196</u>
<u>26</u>	HHSS	JURGENSENS GROCERY COMPANY	474 S. RAYMOND AVENUE PASADENA CA 91105	WNW	0.04 / 204.73	4	<u>196</u>
<u>26</u>	LA HMS		474 S RAYMOND AVE PASADENA CA 91104	WNW	0.04 / 204.73	4	<u>196</u>

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
<u>26</u>	HIST TANK	JURGENSEN'S GROCERY COMPANY	474 S. RAYMOND AVENUE PASADENA CA	WNW	0.04 / 204.73	4	<u>197</u>
<u>27</u>	LA HMS		522 S RAYMOND AVE PASADENA CA 91104	WSW	0.04 / 204.75	-2	<u>197</u>
<u>28</u>	HAZNET	JOHN T COLLINS	500 S RAYMOND PASADENA CA 911050000	W	0.04 / 204.80	1	<u>197</u>
<u>29</u>	UST	ZAQ Chevron	160 E. California Blvd. Pasadena CA 91105-3230 Facility ID: LACoFA0006278	SSE	0.04 / 208.77	-11	<u>198</u>
<u>30</u>	HAZNET	RAYMOND AVENUE SELF STORAGE	421 S RAYMOND AVE PASADENA CA 911052609	NW	0.04 / 222.10	8	<u>198</u>
<u>31</u>	CERS HAZ	DISNEY STORE USA LLC	443 S RAYMOND AVE PASADENA CA 91105	NW	0.04 / 224.38	6	<u>198</u>
<u>31</u>	EMISSIONS	MILUM TEXTILE SERV CO	443 S RAYMOND AV PASADENA CA 91102	NW	0.04 / 224.38	6	<u>202</u>
<u>31</u>	FINDS/FRS	DISNEY STORE USA LLC	443 S RAYMOND AVE PASADENA CA 91105	NW	0.04 / 224.38	6	<u>203</u>
<u>31</u>	HIST MANIFEST		443 S. RAYMOND PASADENA CA 911050000	NW	0.04 / 224.38	6	<u>203</u>
<u>31</u>	LA HMS		443 S RAYMOND AVE PASADENA CA 91105	NW	0.04 / 224.38	6	<u>205</u>
<u>31</u>	HAZNET	MILUM TEXTILE SERVICES	443 S. RAYMOND PASADENA CA 911050000	NW	0.04 / 224.38	6	<u>205</u>
<u>31</u>	HAZNET	THE DISNEY STORES	443 S RAYMOND AVE PASADENA CA 91105	NW	0.04 / 224.38	6	<u>206</u>
<u>31</u>	HAZNET	THE DISNEY STORES	443 S RAYMOND AVE PASADENA CA 911052630	NW	0.04 / 224.38	6	<u>207</u>
<u>32</u>	SSTS	Ozone Clean Technologies, Inc.	525 S. Raymond Ave - Pasadena CA 91105	WSW	0.04 / 224.48	-2	<u>207</u>

<i>Map Key</i>	<i>DB</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Direction</i>	<i>Distance (mi/ft)</i>	<i>Elev Diff (ft)</i>	<i>Page Number</i>
<u>33</u>	HAZNET	RAYMOND PLAZA PARTNERSHIP	517 SO RAYMOND AVE PASADENA CA 911050000	W	0.04 / 224.67	-1	<u>208</u>
<u>33</u>	HAZNET	ERDMAN INSTRUMENTS INC	517 SOUTH RAYMOND AVE PASADENA CA 911050000	W	0.04 / 224.67	-1	<u>208</u>
<u>34</u>	CERS TANK	ZAQ Chevron	160 E. CALIFORNIA BLVD. PASADENA CA 91105-3230	SSE	0.05 / 242.62	-3	<u>209</u>
<u>34</u>	EMISSIONS	ZAQ, INC	160 E CALIFORNIA BLVD PASADENA CA 91105	SSE	0.05 / 242.62	-3	<u>214</u>
<u>34</u>	FINDS/FRS	CHEVRON STATION NO 91410	160 E CALIFORNIA BLVD PASADENA CA 911053230	SSE	0.05 / 242.62	-3	<u>214</u>
<u>34</u>	HHSS	NONE	160 E VALIFORNIA ARROYA PKWY PASADENA CA 91105	SSE	0.05 / 242.62	-3	<u>215</u>
<u>34</u>	HHSS	BILL BARRY	160 E. CALIF. PASADENA CA 91105	SSE	0.05 / 242.62	-3	<u>215</u>
<u>34</u>	HIST MANIFEST		160 E CALIFORNIA STREET PASADENA CA 911010000	SSE	0.05 / 242.62	-3	<u>215</u>
<u>34</u>	LA HMS		160 E CALIFORNIA BLVD PASADENA CA 91115	SSE	0.05 / 242.62	-3	<u>216</u>
<u>34</u>	HIST TANK	BILL BARRY	160 E. CALIF. PASADENA CA	SSE	0.05 / 242.62	-3	<u>216</u>
<u>34</u>	HIST TANK	91410	160 E CALIFORNIA PASADENA CA	SSE	0.05 / 242.62	-3	<u>216</u>
<u>34</u>	HAZNET	1X BILBERRY CHEVRON STATION	160 E CALIFORNIA STREET PASADENA CA 911010000	SSE	0.05 / 242.62	-3	<u>216</u>

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
<u>34</u>	HAZNET	CHEVRON 91410	160 E CALIFORNIA BLVD PASADENA CA 911050000	SSE	0.05 / 242.62	-3	<u>217</u>
<u>34</u>	HAZNET	CHEVRON PRODUCTS SS#_91410	160 E CALIFORNIA BLVD PASADENA CA 911053230	SSE	0.05 / 242.62	-3	<u>221</u>
<u>34</u>	HAZNET	ZAQ SERVICE STATION	160 E CALIFORNIA BLVD PASADENA CA 911053230	SSE	0.05 / 242.62	-3	<u>223</u>
<u>34</u>	HAZNET	NELSON CHEVERON	160 EAST CALIFORNIA PASADENA CA 911050000	SSE	0.05 / 242.62	-3	<u>223</u>
<u>34</u>	RCRA NON GEN	ZAQ SERVICE STATION	160 E CALIFORNIA BLVD PASADENA CA 91105-3230	SSE	0.05 / 242.62	-3	<u>224</u>
<u>34</u>	RCRA SQG	CHEVRON STATION NO 91410	160 E CALIFORNIA BLVD PASADENA CA 91105-3230	SSE	0.05 / 242.62	-3	<u>225</u>
<u>35</u>	CERS HAZ	Allmetal Mfg	617 S RAYMOND AVE PASADENA CA 91105	SSW	0.05 / 271.15	-11	<u>226</u>
<u>35</u>	FINDS/FRS	ALLMETAL MFG	617 S RAYMOND AVE PASADENA CA 91105	SSW	0.05 / 271.15	-11	<u>230</u>
<u>36</u>	CERS HAZ	ROGERSON KRATOS	403 S RAYMOND AVE S PASADENA CA 91105	NNW	0.05 / 272.13	10	<u>231</u>
<u>36</u>	EMISSIONS	KRATOS INSTRUMENT DIV	403 S RAYMOND AV PASADENA CA 91109	NNW	0.05 / 272.13	10	<u>235</u>
<u>36</u>	EMISSIONS	ROGERSON- KRATOS,INC	403 S RAYMOND AVE PASADENA CA 91105	NNW	0.05 / 272.13	10	<u>235</u>
<u>36</u>	EMISSIONS	ROGERSON KRATOS	403 S RAYMOND AV PASADENA CA 91109	NNW	0.05 / 272.13	10	<u>236</u>
<u>36</u>	FINDS/FRS	ROGERSON KRATOS	403 S RAYMOND AVE PASADENA CA 91109	NNW	0.05 / 272.13	10	<u>236</u>
<u>36</u>	HIST MANIFEST		403 S RAYMOND AVE PASADENA CA 911050000	NNW	0.05 / 272.13	10	<u>237</u>

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
<u>36</u>	HIST MANIFEST		403 S RAYMOND AVE PASADENA CA 911052609	NNW	0.05 / 272.13	10	<u>238</u>
<u>36</u>	HAZNET	KRATOS INC AVIATION PRODUCTS DIV	403 S RAYMOND AVE PASADENA CA 911050000	NNW	0.05 / 272.13	10	<u>240</u>
<u>36</u>	HAZNET	ROGERSON AIRCRAFT CORP	403 S RAYMOND AVE PASADENA CA 911052609	NNW	0.05 / 272.13	10	<u>241</u>
<u>36</u>	HAZNET	ROGERSON KRATOS	403 S RAYMOND AVE PASADENA CA 911052609	NNW	0.05 / 272.13	10	<u>241</u>
<u>36</u>	RCRA CESQG	ROGERSON KRATOS	403 S RAYMOND AVE PASADENA CA 91109	NNW	0.05 / 272.13	10	<u>251</u>
<u>37</u>	FINDS/FRS	HYCHEM INC	394 SOUTH RAYMOND AVE PASADENA CA 91105	NNW	0.05 / 280.32	11	<u>253</u>
<u>37</u>	HIST MANIFEST		394 SOUTH RAYMOND AVE PASADENA CA 911050000	NNW	0.05 / 280.32	11	<u>253</u>
<u>37</u>	HAZNET	HYCHEM INC	394 SOUTH RAYMOND AVE PASADENA CA 911050000	NNW	0.05 / 280.32	11	<u>255</u>
<u>37</u>	RCRA SQG	HYCHEM INC	394 SOUTH RAYMOND AVE PASADENA CA 91105	NNW	0.05 / 280.32	11	<u>256</u>
<u>38</u>	CERS HAZ	Trader Joe's #051	610 S ARROYO PKWY PASADENA CA 91105	SSE	0.05 / 287.29	-13	<u>257</u>
<u>38</u>	RCRA NON GEN	TRADER JOES 051	610 S ARROYO PKWY PASADENA CA 91105	SSE	0.05 / 287.29	-13	<u>258</u>
<u>39</u>	FINDS/FRS	WEST WORLD IMPORTS	171 E CALIFORNIA BLVD PASADENA CA 91105	SE	0.06 / 303.53	-1	<u>259</u>
<u>40</u>	LUST	Southern California Public Radio	474 RAYMOND S PASADENA CA 91105	NNE	0.06 / 341.02	9	<u>260</u>

Global ID / Status / Status Date: T10000005348 | Completed - Case Closed | 2009-10-09 00:00:00

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
<u>41</u>	FINDS/FRS	HUNTINGTON MEDICAL GROUP INC	55 E CALIFORNIA BLVD PASADENA CA 91105	SW	0.07 / 344.74	-9	<u>261</u>
<u>41</u>	HAZNET	HEALTHCARE PARTNERS MEDICAL GRP	55 E CALIFORNIA BLVD PASADENA CA 911050000	SW	0.07 / 344.74	-9	<u>261</u>
<u>41</u>	RCRA SQG	HUNTINGTON MEDICAL GROUP INC	55 E CALIFORNIA BLVD PASADENA CA 91105	SW	0.07 / 344.74	-9	<u>263</u>
<u>42</u>	HAZNET	CALTRANS DIST 7 ROW	190 CALIFORNIA BLVD PASADENA CA 91105	SE	0.07 / 354.15	0	<u>264</u>
<u>43</u>	HAZNET	MOULE & POLYZOIDES CORP	180 E CALIFORNIA BLVD PASADENA CA 911053230	SE	0.07 / 368.80	2	<u>264</u>
<u>44</u>	HAZNET	CARDIOLOGY CARE OF THE HEART INC	630 S RAYMOND AVE UNIT 204 PASADENA CA 911053283	SSW	0.07 / 383.96	-13	<u>265</u>
<u>45</u>	DELISTED TNK	ARROYAL CAR WASH	605 S. ARROYAL PARK WAY Pasadena CA 91105	ESE	0.07 / 387.71	8	<u>265</u>
<u>46</u>	CERS HAZ	HRC Fertility	333 S ARROYO PKWY PASADENA CA 91105	N	0.07 / 395.47	11	<u>266</u>
<u>46</u>	FINDS/FRS	HRC FERTILITY	333 S ARROYO PKWY PASADENA CA 91105	N	0.07 / 395.47	11	<u>270</u>
<u>46</u>	HAZNET	HUNTINGTON REPRODUCTIVE CENTER	333 S ARROYO PKWY PASADENA CA 911052515	N	0.07 / 395.47	11	<u>270</u>
<u>47</u>	CHMIRS	City of Burbank HazMat	380 S Raymond Ave. Pasadena CA	NNW	0.08 / 406.16	13	<u>271</u>
<u>48</u>	EMISSIONS	LUCKY BOY #4, J RELLOS/R KARAG	640 S. ARROYO PARKWAY PASADENA CA 91105	S	0.09 / 481.02	-13	<u>271</u>
<u>49</u>	CERS HAZ	DY-DEE SERVICE	40 E CALIFORNIA BLVD PASADENA CA 91105	SW	0.09 / 489.81	-9	<u>272</u>

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
<u>49</u>	DRYCLEANERS	DY DEE DIAPER SERVICE	40 E CALIFORNIA BLVD PASADENA CA 911050000	SW	0.09 / 489.81	-9	<u>276</u>
<u>49</u>	EMISSIONS	M & G AUTO BODY SHOP, JACK SEM	28 E CALIFORNIA BL PASADENA CA 91105	SW	0.09 / 489.81	-9	<u>276</u>
<u>49</u>	FINDS/FRS	DY DEE DIAPER SERVICE	40 E CALIFORNIA PASADENA CA 91105-3285	SW	0.09 / 489.81	-9	<u>277</u>
<u>49</u>	HIST MANIFEST		28 E CALIFORNIA BLVD PASADENA CA 911050000	SW	0.09 / 489.81	-9	<u>277</u>
<u>49</u>	HAZNET	DY-DEE SERVICE OF PASADENA INC	40 E CALIFORNIA BLVD PASADENA CA 911050000	SW	0.09 / 489.81	-9	<u>279</u>
<u>49</u>	HAZNET	DY DEE DIAPER SERVICE	40 E CALIFORNIA BLVD PASADENA CA 911050000	SW	0.09 / 489.81	-9	<u>280</u>
<u>49</u>	HAZNET	M&G AUTO BODY	28 E CALIFORNIA BLVD PASADENA CA 911050000	SW	0.09 / 489.81	-9	<u>283</u>
<u>49</u>	HAZNET	DY-DEE SERVICE OF PASADENA INC	40 E CALIFORNIA BLVD PASADENA CA 911050000	SW	0.09 / 489.81	-9	<u>285</u>
<u>49</u>	RCRA SQG	DY DEE DIAPER SERVICE	40 E CALIFORNIA PASADENA CA 91105	SW	0.09 / 489.81	-9	<u>286</u>
<u>50</u>	HAZNET	C F TOOL COMPANY INC	530 S MARENGO AVE PASADENA CA 911010000	ESE	0.10 / 513.42	12	<u>287</u>
<u>51</u>	CERS HAZ	ARROYO AUTO CENTER	621 S ARROYO PKWY # A PASADENA CA 91105	S	0.10 / 515.01	-14	<u>288</u>
<u>51</u>	CERS HAZ	The Best	621 S ARROYO PKWY # C PASADENA CA 91105	S	0.10 / 515.01	-14	<u>292</u>
<u>51</u>	CERS HAZ	RAY'S MBZ	621 S ARROYO PKWY # B PASADENA CA 91105	S	0.10 / 515.01	-14	<u>296</u>

<i>Map Key</i>	<i>DB</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Direction</i>	<i>Distance (mi/ft)</i>	<i>Elev Diff (ft)</i>	<i>Page Number</i>
<u>51</u>	FINDS/FRS	FARRIS AND SONS AUTO SVC	621 S ARROYO PARKWAY UNIT B PASADENA CA 91105	S	0.10 / 515.01	-14	<u>298</u>
<u>51</u>	FINDS/FRS	ARROYO AUTO CENTER	621 S ARROYO PKWY # A PASADENA CA 91105	S	0.10 / 515.01	-14	<u>298</u>
<u>51</u>	FINDS/FRS	THE BEST	621 S ARROYO PKWY # C PASADENA CA 91105	S	0.10 / 515.01	-14	<u>299</u>
<u>51</u>	FINDS/FRS	RAY'S MBZ	621 S ARROYO PKWY # B PASADENA CA 91105	S	0.10 / 515.01	-14	<u>299</u>
<u>51</u>	HAZNET	RAY'S MBZ	621 S ARROYO PKWY STE B PASADENA CA 911053280	S	0.10 / 515.01	-14	<u>300</u>
<u>51</u>	HAZNET	THE BEST SMOG REPAIR	621 S ARROYO PKWY STE C PASADENA CA 911053281	S	0.10 / 515.01	-14	<u>301</u>
<u>51</u>	HAZNET	ARROYO AUTO CENTER	621 S ARROYO PKWY UNIT A PASADENA CA 911050000	S	0.10 / 515.01	-14	<u>302</u>
<u>51</u>	HAZNET	FARRIS AND SONS AUTO SVC	621 S ARROYO PARKWAY UNIT B PASADENA CA 911050000	S	0.10 / 515.01	-14	<u>303</u>
<u>51</u>	HAZNET	RAY'S MBZ	621 S ARROYO PKWY STE B PASADENA CA 911053280	S	0.10 / 515.01	-14	<u>303</u>
<u>51</u>	HAZNET	FAIR OAKS AUTOMOTIVE	621 S ARROYO PARKWAY #B PASADENA CA 911050000	S	0.10 / 515.01	-14	<u>303</u>
<u>51</u>	HAZNET	JOHNS AUTO	621 S ARROYO PKWY STE B PASADENA CA 911053280	S	0.10 / 515.01	-14	<u>304</u>
<u>51</u>	RCRA NON GEN	RAY'S MBZ	621 S ARROYO PKWY STE B PASADENA CA 91105-3280	S	0.10 / 515.01	-14	<u>305</u>
<u>51</u>	RCRA SQG	FARRIS AND SONS AUTO SVC	621 S ARROYO PARKWAY UNIT B PASADENA CA 91105	S	0.10 / 515.01	-14	<u>306</u>

<i>Map Key</i>	<i>DB</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Direction</i>	<i>Distance (mi/ft)</i>	<i>Elev Diff (ft)</i>	<i>Page Number</i>
<u>52</u>	EMISSIONS	PLAY-WELL EQUIP CO	655 S RAYMOND AV PASADENA CA 91105	SSW	0.10 / 521.24	-15	<u>307</u>
<u>52</u>	FINDS/FRS	PLAY-WELL EQUIPMENT	655 S RAYMOND AVE PASADENA CA 91105	SSW	0.10 / 521.24	-15	<u>307</u>
<u>52</u>	HAZNET	PLAYWELL EQUIPMENT CO	655 SO RAYMOND PASADENA CA 911050000	SSW	0.10 / 521.24	-15	<u>308</u>
<u>53</u>	CERS HAZ	Congregation Ale House	300 S RAYMOND AVE PASADENA CA 91105	NNW	0.10 / 524.63	15	<u>309</u>
<u>53</u>	EMISSIONS	CROWN CITY BREWERY	300 S. RAYMOND AVE. PASADENA CA 91105	NNW	0.10 / 524.63	15	<u>313</u>
<u>53</u>	FINDS/FRS	CONGREGATION ALE HOUSE	300 S RAYMOND AVE PASADENA CA 91105	NNW	0.10 / 524.63	15	<u>314</u>
<u>54</u>	CERS HAZ	ARROYO CLEANERS	633 S ARROYO PKWY # 4 PASADENA CA 91105	S	0.10 / 546.23	-14	<u>314</u>
<u>54</u>	DRYCLEANERS	ARROYO CLEANERS	633 S ARROYO PKWY STE 4 PASADENA CA 911050000	S	0.10 / 546.23	-14	<u>319</u>
<u>54</u>	EMISSIONS	ARROYO CLEANERS, MEHRAN FARHAD	633 S ARROYO PKWY PASADENA CA 91105	S	0.10 / 546.23	-14	<u>319</u>
<u>54</u>	FINDS/FRS	ARROYO CLEANERS	633 S ARROYO PKWY 4 PASADENA CA 91105-3293	S	0.10 / 546.23	-14	<u>320</u>
<u>54</u>	HAZNET	ARROYO CLEANERS	633 S ARROYO PKWY STE 4 PASADENA CA 911050000	S	0.10 / 546.23	-14	<u>320</u>
<u>54</u>	RCRA SQG	ARROYO CLEANERS	633 S ARROYO PKWY 4 PASADENA CA 91105	S	0.10 / 546.23	-14	<u>324</u>
<u>55</u>	HAZNET	PASADENA HUMANE SOCIETY	361 SOUTH RAYMOND AVE PASADENA CA 911050000	NNW	0.10 / 550.33	15	<u>325</u>

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
56	EMISSIONS	ARROYO CLEANERS, SUN JU CHO. DBA	633 S ARROYO PKY #4 PASADENA CA 91105	S	0.11 / 562.51	-14	326
57	ENVIROSTOR	GLOBE ASBESTOS CO.	PASADENA CA <i>Estor/EPA ID Cleanup Status:</i> 80001011 INACTIVE - NEEDS EVALUATION AS OF 7/1/2005	WSW	0.11 / 580.30	-7	326
57	ENVIROSTOR	ASSOCIATED MANUFACTURING CO.	PASADENA CA <i>Estor/EPA ID Cleanup Status:</i> 80000980 INACTIVE - NEEDS EVALUATION AS OF 7/1/2005	WSW	0.11 / 580.30	-7	327
58	HIST MANIFEST		335 S RAYMOND PASADENA CA 911050000	NNW	0.11 / 605.28	16	328
58	HAZNET	1X PASADENA HUMANE SOCIETY	335 S RAYMOND PASADENA CA 911050000	NNW	0.11 / 605.28	16	329
59	HAZNET	PERFORMANCE BICYCLE SHOP #81	323 S ARROYO PKWY PASADENA CA 911052515	N	0.12 / 614.35	18	329
59	RCRA NON GEN	PERFORMANCE BICYCLE SHOP #81	323 S ARROYO PKWY PASADENA CA 91105-2515	N	0.12 / 614.35	18	330
60	HAZNET	APELS AUTO WRECKING	659 SOUTH RAYMOND AVENUE PASADENA CA 911050000	SSW	0.12 / 616.77	-16	331
61	DRYCLEANERS	CROWN CITY RUG & UPHOLSTERY CLEANERS	665 S RAYMOND AVE PASADENA CA 911050000	SSW	0.12 / 636.23	-16	331
61	FINDS/FRS	HMRI SWEDISH EMBASSY	665 S RAYMOND AVE PASADENA CA 91105	SSW	0.12 / 636.23	-16	332
61	HIST MANIFEST		665 S RAYMOND AVE PASADENA CA 911050000	SSW	0.12 / 636.23	-16	332
61	LA HMS		665 S RAYMOND AVE PASADENA CA 91103	SSW	0.12 / 636.23	-16	333
61	HAZNET	VICTOR'S MERCEDES SERVICE	665 S RAYMOND AVE PASADENA CA 911050000	SSW	0.12 / 636.23	-16	333

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
<u>61</u>	HAZNET	VICTORS MERCEDES	665 S RAYMOND PASADENA CA 911050000	SSW	0.12 / 636.23	-16	<u>333</u>
<u>61</u>	HAZNET	CROWN CITY RUG & UPHOLSTERY CLEANERS	665 S RAYMOND AVE PASADENA CA 911050000	SSW	0.12 / 636.23	-16	<u>334</u>
<u>62</u>	DELISTED TNK	CHEVRON STATION #91410	160 E. CALIFORNIA BLVD. Pasadena CA 91105	E	0.12 / 650.27	13	<u>334</u>
<u>63</u>	HAZNET	GENESIS FO PARTNERS, LLC	590 S FAIR OAKS AVE PASADENA CA 91105	SW	0.12 / 650.39	-11	<u>334</u>
<u>64</u>	CERS HAZ	SWAN CLEANERS	319 S ARROYO PKWY # 7 PASADENA CA 91105	N	0.12 / 657.08	19	<u>335</u>
<u>64</u>	DRYCLEANERS	ESCOLTA LLC DBA SWAN CLEANERS	319 S ARROYO PKWY STE 7 PASADENA CA 911052547	N	0.12 / 657.08	19	<u>339</u>
<u>64</u>	DRYCLEANERS	JNJ INC SWAN CLEANERS	319 S ARROYO PRKWY STE 7 PASADENA CA 91105	N	0.12 / 657.08	19	<u>339</u>
<u>64</u>	DRYCLEANERS	SWAN CLEANERS	319 S ARROYO PKWY STE 7 PASADENA CA 911052547	N	0.12 / 657.08	19	<u>340</u>
<u>64</u>	DRYCLEANERS	SWAN CLEANERS	319 S ARROYO PKWY UNIT 7 PASADENA CA 911050000	N	0.12 / 657.08	19	<u>340</u>
<u>64</u>	DRYCLEANERS	SWAN CLEANERS	319 S ARROYO PARKWAY PASADENA CA 911050000	N	0.12 / 657.08	19	<u>340</u>
<u>64</u>	DRYCLEANERS	SWAN CLEANERS	319 S ARROYO PARKWAY PASADENA CA 911050000	N	0.12 / 657.08	19	<u>341</u>
<u>64</u>	DRYCLEANERS	SWAN CLEANERS	319 S ARROYO PARKWAY PASADENA CA 911050000	N	0.12 / 657.08	19	<u>341</u>
<u>64</u>	FINDS/FRS	SWAN CLEANERS	319 S ARROYO PKWY UNIT 7 PASADENA CA 91105	N	0.12 / 657.08	19	<u>341</u>

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
<u>64</u>	HAZNET	SWAN CLEANERS	319 S ARROYO PARKWAY PASADENA CA 911050000	N	0.12 / 657.08	19	<u>342</u>
<u>64</u>	HAZNET	FUTURE IMAGE	319 SO ARROYO PARKWAY #6 PASADENA CA 911050000	N	0.12 / 657.08	19	<u>342</u>
<u>64</u>	HAZNET	SWAN CLEANERS	319 S ARROYO PKWY UNIT 7 PASADENA CA 911050000	N	0.12 / 657.08	19	<u>343</u>
<u>64</u>	HAZNET	SWAN CLEANERS	319 S ARROYO PKWY STE 7 PASADENA CA 911052547	N	0.12 / 657.08	19	<u>343</u>
<u>64</u>	HAZNET	JNJ INC SWAN CLEANERS	319 S ARROYO PRKWY STE 7 PASADENA CA 91105	N	0.12 / 657.08	19	<u>347</u>
<u>64</u>	HAZNET	SWAN CLEANERS	319 S ARROYO PARKWAY PASADENA CA 911050000	N	0.12 / 657.08	19	<u>348</u>
<u>64</u>	HAZNET	SWAN CLEANERS	319 S ARROYO PARKWAY PASADENA CA 911050000	N	0.12 / 657.08	19	<u>348</u>
<u>64</u>	HAZNET	ESCOLTA LLC DBA SWAN CLEANERS	319 S ARROYO PKWY STE 7 PASADENA CA 911052547	N	0.12 / 657.08	19	<u>349</u>
<u>64</u>	RCRA NON GEN	JNJ INC SWAN CLEANERS	319 S ARROYO PRKWY STE 7 PASADENA CA 91105	N	0.12 / 657.08	19	<u>349</u>
<u>64</u>	RCRA SQG	SWAN CLEANERS	319 S ARROYO PKWY UNIT 7 PASADENA CA 91105	N	0.12 / 657.08	19	<u>350</u>
<u>65</u>	RCRA SQG	RADCLIFFE ENGINEERING CORP	681 S RAYMOND AVE PASADENA CA 91105	SSW	0.13 / 667.14	-17	<u>351</u>
<u>66</u>	RCRA NON GEN	NISHIKAWA AUTO SERVICE	510 S FAIR OAKS AVE PASADENA CA 91105-0000	W	0.13 / 683.03	3	<u>352</u>
<u>67</u>	RCRA SQG	A N TOOL & DIE	518 SO FAIR OAKS PASADENA CA 91105	W	0.13 / 685.12	1	<u>353</u>

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
<u>68</u>	HHSS	PUBLIC STORAGE	588 SO. FAIR OAKS AVE PASADENA CA 91105	WSW	0.13 / 690.58	-10	<u>354</u>
<u>68</u>	HIST TANK	PUBLIC STORAGE	588 SO. FAIR OAKS AVE PASADENA CA	WSW	0.13 / 690.58	-10	<u>355</u>
<u>69</u>	EMISSIONS	CLASSIC TOUCH BODY & PAINT (IHDZ-M)	559 S FAIR OAKS LONG BEACH CA 90805	WSW	0.13 / 697.98	-4	<u>355</u>
<u>70</u>	HHSS	STANYER AND EDMONDSON OF PASADEN	400 S. FAIR OAKS AVE. PASADENA CA 91105	NW	0.13 / 701.50	13	<u>355</u>
<u>70</u>	LA HMS		400 S FAIR OAKS AVE PASADENA CA 91105	NW	0.13 / 701.50	13	<u>355</u>
<u>70</u>	HIST TANK	STANYER & EDMONDSON OF PASADEN	400 S. FAIR OAKS AVE. PASADENA CA	NW	0.13 / 701.50	13	<u>356</u>
<u>70</u>	RCRA SQG	STANYER & EDMONDSON	400 S FAIR OAKS AVE PASADENA CA 91105	NW	0.13 / 701.50	13	<u>356</u>
<u>71</u>	EMISSIONS	ARRIBA	425 S. FAIR OAKS PASADENA CA 91105	WNW	0.13 / 701.52	10	<u>357</u>
<u>72</u>	RCRA SQG	HUNTINGTON MAGNETIC RESONANCE	10 PICO PASADENA CA 91105	SW	0.13 / 703.87	-15	<u>357</u>
<u>73</u>	LA HMS		511 S FAIR OAKS AVE PASADENA CA 91115	W	0.13 / 704.32	2	<u>358</u>
<u>74</u>	EMISSIONS	SERVICE KING PAINT & BODY, LLC	559 S FAIR OAKS PASADENA CA 91103	WSW	0.13 / 706.99	-6	<u>358</u>
<u>75</u>	EMISSIONS	CAL-SWISS MFG. CO., INC.	390 S FAIR OAKS AVE PASADENA CA 91105	NW	0.14 / 717.06	13	<u>359</u>
<u>75</u>	EMISSIONS	CAL-SWISS MFG. CO., INC.	390 S FAIR OAKS AVE. PASADENA CA 91105	NW	0.14 / 717.06	13	<u>360</u>

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
<u>75</u>	RCRA SQG	CAL SWISS A DIVISION GORKO IND	390 S FAIR OAKS AVE PASADENA CA 91105-0430	NW	0.14 / 717.06	13	<u>360</u>
<u>76</u>	HHSS	JASS SHELL SERVICE	587 S. FAIROAK ST. PASADENA CA 91105	SW	0.14 / 721.50	-11	<u>362</u>
<u>76</u>	LA HMS		587 S FAIR OAKS AVE PASADENA CA 91105	SW	0.14 / 721.50	-11	<u>362</u>
<u>76</u>	HIST TANK	JASS SHELL SERVICE	587 S. FAIROAK ST. PASADENA CA	SW	0.14 / 721.50	-11	<u>362</u>
<u>77</u>	RCRA NON GEN	HEALTHCARE PARTNERS LTD	401 S FAIR OAKS PASADENA CA 91105-0000	NW	0.14 / 723.77	13	<u>363</u>
<u>78</u>	EMISSIONS	RADCLIFFE ENGINEERING CORP	673 S RAYMOND AV PASADENA CA 91105	SSW	0.14 / 725.37	-17	<u>364</u>
<u>79</u>	RCRA NON GEN	HEALTHCARE PARTNERS	675 S ARROYO PKWY PASADENA CA 91105	S	0.14 / 755.35	-15	<u>365</u>
<u>80</u>	DRYCLEANERS	HUNTINGTON MEMORIAL HOSPITAL	625 S FAIR OAKS AVE PASADENA CA 91105	SW	0.15 / 775.26	-13	<u>366</u>
<u>80</u>	RCRA NON GEN	UCLA PASADENA HEM/ONC	625 S FAIR OAKS AVE STE 320 PASADENA CA 91105	SW	0.15 / 775.26	-13	<u>366</u>
<u>80</u>	RCRA NON GEN	UNIVERSITY OF SOUTHERN CALIFORNIA DBA KENNETH NORRIS JR	625 S FAIR OAKS AVE STE 400 PASADENA CA 91105-2684	SW	0.15 / 775.26	-13	<u>367</u>
<u>81</u>	LA HMS		373 S FAIR OAKS AVE PASADENA CA 91105	NW	0.16 / 824.61	15	<u>368</u>
<u>81</u>	RCRA SQG	BROWN & CALDWELL LABS	373 S FAIR OAKS AVE PASADENA CA 91105	NW	0.16 / 824.61	15	<u>368</u>

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
<u>82</u>	LA HMS		651 S FAIR OAKS AVE PASADENA CA 91115	SW	0.16 / 830.99	-13	<u>369</u>
<u>83</u>	DRYCLEANERS	FASHION CLEANERS	1 W CALIFORNIA BLVD PASADENA CA 91105	WSW	0.16 / 831.97	-8	<u>370</u>
<u>83</u>	RCRA NON GEN	FASHION CLEANERS	1 W CALIFORNIA BLVD PASADENA CA 91105	WSW	0.16 / 831.97	-8	<u>370</u>
<u>84</u>	HHSS	KENNETH FRASER COMPANY INC	707 S. ARROYO PARKWAY PASADENA CA 91105	S	0.16 / 863.45	-16	<u>371</u>
<u>84</u>	LA HMS		707 S ARROYO PKWY PASADENA CA 91105	S	0.16 / 863.45	-16	<u>371</u>
<u>84</u>	HIST TANK	KENNETH FRASER COMPANY, INC.	707 S. ARROYO PARKWAY PASADENA CA	S	0.16 / 863.45	-16	<u>372</u>
<u>85</u>	LA HMS		333 S FAIR OAKS AVE PASADENA CA 911052541	NW	0.17 / 898.65	17	<u>372</u>
<u>86</u>	RCRA NON GEN	GOODWILL INDUSTRIES OF SOUTHERN CALIFORNIA, FAIR OAKS #3	340 S. FAIR OAKS AVENUE PASADENA CA 91105	NW	0.17 / 912.66	18	<u>372</u>
<u>87</u>	RCRA LQG	CVS PHARMACY # 9668	727 SOUTH ARROYO PARKWAY PASADENA CA 91105	S	0.17 / 923.04	-16	<u>373</u>
<u>88</u>	DELISTED TNK	CROWN CITY TIRE	80 W. BELLEVUE DR. Pasadena CA 91105	NW	0.18 / 924.82	16	<u>380</u>
<u>89</u>	UST	LHSW, Inc Arroyo Shell	290 S ARROYO PKWY PASADENA CA 91105 <i>Facility ID: LACoFA0003294</i>	N	0.18 / 934.94	28	<u>380</u>
<u>90</u>	HIST TANK	SHIBLI HADDAD #14-406	290 S.AROYO PARKWAY PASADENA CA	N	0.18 / 937.88	27	<u>380</u>
<u>91</u>	RCRA NON GEN	DAVID N SCHULTZ	285 E. CALIFORNIA BLVD. #301 PASADENA CA 91106	ESE	0.18 / 953.80	6	<u>380</u>

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
<u>92</u>	HHSS	UNION OIL RETAIL RETAIL SALES	730 SOUTH RAYMOND AVENUE PASADENA CA 91105	SSW	0.18 / 953.98	-19	<u>381</u>
<u>92</u>	LA HMS		730 S RAYMOND AVE PASADENA CA 91105	SSW	0.18 / 953.98	-19	<u>381</u>
<u>92</u>	HIST TANK	UNION OIL RETAIL RETAIL SALES	730 SOUTH RAYMOND AVENUE PASADENA CA	SSW	0.18 / 953.98	-19	<u>382</u>
<u>93</u>	CERS TANK	LHSW, Inc Arroyo Shell	290 S ARROYO PKWY PASADENA CA 91105	N	0.18 / 956.07	26	<u>382</u>
<u>93</u>	EMISSIONS	LHSW, INC DBA ARROYO SHELL	290 S ARROYO PKY PASADENA CA 91105	N	0.18 / 956.07	26	<u>391</u>
<u>93</u>	HHSS	SHIBLI HADDAD 14-406	290 S. ARROYO PARKWAY PASADENA CA 91101	N	0.18 / 956.07	26	<u>391</u>
<u>93</u>	LA HMS		290 S ARROYO PKWY PASADENA CA 91103	N	0.18 / 956.07	26	<u>391</u>
<u>94</u>	RCRA SQG	HUNTINGTON TRUST	707 S RAYMOND AVE PASADENA CA 91105	SSW	0.18 / 968.18	-19	<u>391</u>
<u>94</u>	LA SML	RAYMOND AVENUE PROPERTY	707 S RAYMOND AVE PASADENA CA 91105	SSW	0.18 / 968.18	-19	<u>393</u>
<u>95</u>	LA HMS		686 S FAIR OAKS AVE PASADENA CA 91115	SW	0.19 / 978.83	-13	<u>393</u>
<u>95</u>	RCRA NON GEN	HUNTINGTON MEDICAL RESEARCH INSTITUTES	686 S FAIR OAKS AVE PASADENA CA 91101	SW	0.19 / 978.83	-13	<u>393</u>
<u>96</u>	EMISSIONS	SIZZLER - FORBCO MANAGEMENT CO	730 S ARROYO PARKWAY PASADENA CA 91101	S	0.19 / 999.38	-16	<u>394</u>
<u>97</u>	RCRA NON GEN	DESIGN LAB	30 EAST DEL MAR BLVD. PASADENA CA 91105	NNW	0.19 / 1,004.97	21	<u>395</u>

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
98	ENVIROSTOR	RAYMOND AVENUE PROPERTY	707 S. RAYMOND AVE. PASADENA CA 91105	SSW	0.19 / 1,007.45	-18	396
<i>Estor/EPA ID Cleanup Status:</i> 19650033 REFER: 1248 LOCAL AGENCY AS OF 12/16/2003							
99	HHSS	MIKE WARD 14-413	733 S. ARROYO PARKWAY PASADENA CA 91101	S	0.19 / 1,011.72	-18	396
99	LA HMS		733 S ARROYO PKWY PASADENA CA 91101	S	0.19 / 1,011.72	-18	396
99	HIST TANK	MIKE WARD #14-413	733 S. ARROYO PARKWAY PASADENA CA	S	0.19 / 1,011.72	-18	397
100	ALT FUELS	Greenlots - 43105	260 S Raymond Ave Pasadena CA 91105	NNW	0.19 / 1,015.14	22	397
101	DRYCLEANERS	EXPRESS CLEANERS	700 S FAIR OAKS AVE PASADENA CA 911052618	SSW	0.20 / 1,032.42	-13	397
101	EMISSIONS	EXPRESS CLEANERS	700 S FAIR OAKS AVE UNIT H SOUTH PASADENA CA 91030	SSW	0.20 / 1,032.42	-13	397
102	EMISSIONS	CAL LIQUID FERTILIZER CO INC	745-801 S RAYMOND AV PASADENA CA 91102	SSW	0.20 / 1,041.21	-20	398
103	DELISTED TNK	HUNTINGTON MEMORIAL HOSPITAL	100 WEST CALIFORNIA BLVD. Pasadena CA 91105	SW	0.20 / 1,061.38	-4	398
104	RCRA SQG	CUTLER AUTOMOTIVE	38 WAVERLY DR PASADENA CA 91105	NW	0.21 / 1,091.64	17	398
105	RCRA NON GEN	MARCHACK & MARCHACK DDS	301 S FAIR OAKS AVE STE 408 PASADENA CA 91105-2562	NNW	0.21 / 1,091.70	21	399
105	RCRA NON GEN	PAUL P. SHINTO, D.D.S., INC.	301 S FAIR OAKS AVE STE 205 PASADENA CA 91105-2536	NNW	0.21 / 1,091.70	21	400
105	RCRA NON GEN	SONA ASATRYAN DDS	301 S FAIR OAKS AVE STE 206 PASADENA CA 91105-2536	NNW	0.21 / 1,091.70	21	401

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
<u>105</u>	RCRA NON GEN	HEALTHCARE PARTNERS	301 S FAIR OAKS AVE PASADENA CA 91105	NNW	0.21 / 1,091.70	21	<u>402</u>
<u>105</u>	RCRA NON GEN	JACK S BROUSSARD JR DDS	301 S FAIR OAKS AVE STE 204 PASADENA CA 91105-0000	NNW	0.21 / 1,091.70	21	<u>403</u>
<u>106</u>	DRYCLEANERS	MONTERRA DEL MAR LAUNDRY ROOM	280 E DEL MAR BLVD PASADENA CA 911012770	NE	0.21 / 1,097.49	34	<u>404</u>
<u>106</u>	RCRA NON GEN	THE HALLIE	280 E DEL MAR BLVD PASADENA CA 91101	NE	0.21 / 1,097.49	34	<u>405</u>
<u>106</u>	RCRA NON GEN	ESSEX PROPERTY TRUST - MONTERRA DEL MAR	280 E DEL MAR PASADENA CA 91105	NE	0.21 / 1,097.49	34	<u>406</u>
<u>106</u>	RCRA NON GEN	THE HALLIE	280 E. DELMAR BLVD PASADENA CA 91101	NE	0.21 / 1,097.49	34	<u>407</u>
<u>107</u>	RCRA NON GEN	CAD BLU, INC.	64 WEST BELLEVUE DRIVE PASADENA CA 91105	WNW	0.21 / 1,127.69	12	<u>408</u>
<u>108</u>	RCRA SQG	HUNTINGTON EXTENDED CARE	716 S FAIR OAKS AVE PASADENA CA 91105	SSW	0.21 / 1,128.25	-14	<u>409</u>
<u>109</u>	HHSS	RUSH PHARMACY	67 WEST BELLEVUE DRIVE PASADENA CA 91105	WNW	0.21 / 1,129.14	12	<u>410</u>
<u>109</u>	LA HMS		67 W BELLEVUE DR PASADENA CA 91105	WNW	0.21 / 1,129.14	12	<u>410</u>
<u>109</u>	HIST TANK	RUSH PHARMACY	67 WEST BELLEVUE DRIVE PASADENA CA	WNW	0.21 / 1,129.14	12	<u>410</u>
<u>109</u>	RCRA SQG	CONVERSE ENVIROLAB	67 W BELLEVUE DR PASADENA CA 91105	WNW	0.21 / 1,129.14	12	<u>410</u>
<u>110</u>	HHSS	BUDGET CAR AND TRUCK RENTAL	750 S. ARROYO PARKWAY PASADENA CA 91105	S	0.21 / 1,130.47	-17	<u>411</u>

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
<u>110</u>	LA HMS		750 S ARROYO PKWY PASADENA CA 91105	S	0.21 / 1,130.47	-17	<u>412</u>
<u>110</u>	HIST TANK	BUDGET CAR & TRUCK RENTAL	750 S. ARROYO PARKWAY PASADENA CA	S	0.21 / 1,130.47	-17	<u>412</u>
<u>111</u>	CERS TANK	FAIR OAKS GAS	718 S FAIR OAKS AVE SOUTH PASADENA CA 91030	SSW	0.22 / 1,135.45	-14	<u>412</u>
<u>112</u>	DELISTED HAZ	TELE CLEANERS	711 S FAIR OAKS AVE # E SOUTH PASADENA CA 91030	SSW	0.22 / 1,135.81	-14	<u>424</u>
<u>112</u>	DRYCLEANERS	TELE CLEANERS	711 S. FAIR OAKS AVE #E SOUTH PASADENA CA 91030	SSW	0.22 / 1,135.81	-14	<u>424</u>
<u>113</u>	RCRA SQG	ORHTOPAEDIC INSTITUTE INC	10 CONGRESS ST 103 PASADENA CA 91105	SW	0.22 / 1,142.48	-9	<u>424</u>
<u>114</u>	RCRA SQG	CONGRESS ASSOCIATES INC	39 CONGRESS ST STE 201 PASADENA CA 91105	SW	0.22 / 1,152.51	-8	<u>425</u>
<u>115</u>	HHSS	CALIFORNIA LIQUID FERTILIZER C	755 SO. RAYMOND AVE. PASADENA CA 91105	SSW	0.22 / 1,153.68	-21	<u>426</u>
<u>115</u>	HIST TANK	CALIFORNIA LIQUID FERTILIZER C	755 SO. RAYMOND AVE. PASADENA CA	SSW	0.22 / 1,153.68	-21	<u>426</u>
<u>116</u>	EMISSIONS	EARL SCHEIB OF CAL INC	270 S ARROYO PARKWAY PASADENA CA 90008	N	0.22 / 1,175.92	27	<u>426</u>
<u>116</u>	EMISSIONS	EARL SCHEIB OF CAL INC	270 S ARROYO PKY PASADENA CA 90008	N	0.22 / 1,175.92	27	<u>428</u>
<u>117</u>	CLEANUP SITES	CHAMPION PLAZA	753-755 S. ARROYO PKWY PASADENA CA 91105	S	0.23 / 1,205.27	-20	<u>429</u>
<u>118</u>	RCRA NON GEN	DEPARTMENT OF TOXIC SUBSTANCES CONTROL	757 S RAYMOND AVE PASADENA CA 91105	S	0.23 / 1,213.46	-22	<u>430</u>

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
<u>118</u>	RCRA SQG	CLINICAL MICRO SENSORS DBA OSMETECH	757 S RAYMOND AVE PASADENA CA 91105	S	0.23 / 1,213.46	-22	<u>431</u>
<u>119</u>	LA HMS		755 S ARROYO PKWY PASADENA CA 91105	S	0.23 / 1,216.08	-20	<u>437</u>
<u>120</u>	RCRA SQG	MAXDEM, INC	267 S FAIR OAKS AVE PASADENA CA 91105	NNW	0.23 / 1,225.35	23	<u>437</u>
<u>121</u>	UST	CROWN CITY TIRE & WHEEL INC.	80 W BELLEVUE DR Pasadena CA 91105 <i>Facility ID: LACoFA0005096</i>	WNW	0.23 / 1,239.83	11	<u>438</u>
<u>122</u>	CERS TANK	CROWN CITY TIRE & WHEEL INC.	80 W BELLEVUE DR PASADENA CA 91105	WNW	0.23 / 1,240.60	12	<u>438</u>
<u>122</u>	LA HMS		80 W BELLEVUE DR PASADENA CA 91105	WNW	0.23 / 1,240.60	12	<u>444</u>
<u>122</u>	RCRA SQG	CROWN CITY TIRE	80 W BELLEVUE DR PASADENA CA 91105	WNW	0.23 / 1,240.60	12	<u>444</u>
<u>123</u>	RCRA SQG	LOGIN PRINTER COMPANY	66 W WAVERLY DRIVE PASADENA CA 91105	NW	0.24 / 1,246.16	17	<u>445</u>
<u>124</u>	RCRA SQG	CALTECH WAVERLY WAREHOUSE	55 WAVERLY DR PASADENA CA 91105	NW	0.24 / 1,251.21	18	<u>446</u>
<u>125</u>	UST	COLLIS P & HOWARD	757 S RAYMOND AVE PASADENA CA 91105 <i>Facility ID: LACoFA0021665</i>	SSW	0.24 / 1,266.93	-22	<u>447</u>
<u>126</u>	RCRA NON GEN	OMNIPATHOLOGY SOLUTIONS MEDICAL CORP	11 W DEL MAR BLVD STE 100 PASADENA CA 91105-2505	NW	0.24 / 1,274.33	23	<u>447</u>
<u>126</u>	RCRA SQG	GENZYME GENETICS	11 W DEL MAR BLVD PASADENA CA 91105	NW	0.24 / 1,274.33	23	<u>448</u>
<u>127</u>	UST	Huntington Hospital	100 W California Blvd Pasadena CA 91105 <i>Facility ID: LACoFA0006340</i>	WSW	0.25 / 1,299.59	7	<u>450</u>

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
128	EMISSIONS	HUNTINGTON MEMORIAL HOSPITAL U	100 CONGRESS ST PASADENA CA 91105	SW	0.25 / 1,306.59	0	450
128	EMISSIONS	HUNTINGTON MEM HOSP	100 CONGRESS ST PASADENA CA 91105	SW	0.25 / 1,306.59	0	452
128	HHSS	HUNTINGTON MEMORIAL HOSPITAL	100 CONGRESS ST. PASADENA CA 91105	SW	0.25 / 1,306.59	0	453
128	HIST TANK	HUNTINGTON MEMORIAL HOSPITAL	100 CONGRESS ST. PASADENA CA	SW	0.25 / 1,306.59	0	453
129	FED BROWNFIELDS	Inter-Modal	750 South Raymond Avenue 766 South Raymond Avenue Pasadena CA 91105	S	0.25 / 1,309.71	-23	453
130	CERCLIS	HUNTINGTON HOSPITAL MERCURY	100 WEST CALIFORNIA PASADENA, CA 91105	WSW	0.28 / 1,462.57	12	456
130	SEMS	HUNTINGTON HOSPITAL MERCURY	100 WEST CALIFORNIA PASADENA, CA 91105	WSW	0.28 / 1,462.57	12	457
131	ENVIROSTOR	HUNTINGTON MEDICAL PLAZA	N.W. CORNER OF FAIR OAKS & BELLEFONTAINE PASADENA CA 91105 <i>Estor/EPA ID Cleanup Status:</i> 19800027 CERTIFIED AS OF 9/1/1984	SSW	0.30 / 1,565.20	-25	457
132	DELISTED HAZ	PASADENA SURGERY CENTER	800 S FAIRMOUNT AVE # 419 PASADENA CA 91105	SW	0.30 / 1,578.27	-8	458
133	ENVIROSTOR	SO CAL GAS/PASADENA MGP	815, 859 & 870 SOUTH RAYMOND AVENUE PASADENA CA 91105 <i>Estor/EPA ID Cleanup Status:</i> 19490225 ACTIVE AS OF 4/30/2001	S	0.31 / 1,644.89	-28	458
133	VCP	SO CAL GAS/PASADENA MGP	815, 859 & 870 SOUTH RAYMOND AVENUE PASADENA CA 91105 <i>Estor/EPA ID Cleanup Status:</i> 19490225 ACTIVE AS OF 4/30/2001	S	0.31 / 1,644.89	-28	462
134	ENVIROSTOR	HUNTINGTON MEMORIAL HOSPITAL	100 W. CALIFORNIA BOULEVARD PASADENA CA 91105 <i>Estor/EPA ID Cleanup Status:</i> 71002706 REFER: OTHER AGENCY AS OF	SW	0.32 / 1,691.78	7	466
135	RESPONSE	HUNTINGTON MEDICAL PLAZA	N.W. CORNER OF FAIR OAKS & BELLEFONTAINE PASADENA CA 91105	SSW	0.33 / 1,718.22	-25	467

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
<i>Estor/EPA ID Cleanup Status:</i> 19800027 CERTIFIED AS OF 9/1/1984							
136	ENVIROSTOR	MONITOR POLISHING & PLATING	390 S. PASADENA AVENUE PASADENA CA 91105	WNW	0.33 / 1,723.54	19	467
<i>Estor/EPA ID Cleanup Status:</i> 71002527 INACTIVE - ACTION REQUIRED AS OF 4/26/2017							
137	CERCLIS	HUNTINGTON DESK	855 S ARROYO PKWY PASADENA CA 91105	S	0.34 / 1,802.72	-30	473
137	CERCLIS NFRAP	HUNTINGTON DESK	855 S ARROYO PKWY PASADENA CA 91105	S	0.34 / 1,802.72	-30	474
137	SEMS ARCHIVE	HUNTINGTON DESK	855 S ARROYO PKWY PASADENA CA 91105	S	0.34 / 1,802.72	-30	476
138	CERCLIS	MONITOR POLISHING & PLATING	390 S PASADENA AVE PASADENA CA 91105	WNW	0.35 / 1,822.21	21	476
138	RCRA CORRACTS	MONITOR POLISHING & PLATING	390 S PASADENA AVE PASADENA CA 91105	WNW	0.35 / 1,822.21	21	478
138	SEMS	MONITOR POLISHING & PLATING	390 S PASADENA AVE PASADENA CA 91105	WNW	0.35 / 1,822.21	21	481
138	LA SML	MONITOR POLISHING & PLATING	390 S PASADENA AVE PASADENA CA 91105	WNW	0.35 / 1,822.21	21	482
139	ENVIROSTOR	MONITOR POLISHING & PLATING	390 S PASADENA AVE PASADENA CA 911050000	WNW	0.35 / 1,837.25	21	482
<i>Estor/EPA ID Cleanup Status:</i> 80001453 INACTIVE - ACTION REQUIRED AS OF 4/26/2017							
139	ENVIROSTOR	MONITOR POLISHING & PLATING	390 S PASADENA AVE PASADENA CA 911050000	WNW	0.35 / 1,837.25	21	482
<i>Estor/EPA ID Cleanup Status:</i> CAD066233834							
139	HWP	MONITOR POLISHING & PLATING	390 S PASADENA AVE PASADENA CA 911050000	WNW	0.35 / 1,837.25	21	483
<i>Estor/EPA ID:</i> CAD066233834							
140	DELISTED HAZ	Pasadena Meadows Nursing Center LP	150 BELLEFONTAINE ST PASADENA CA 91105	SW	0.43 / 2,268.39	0	484
141	DELISTED HAZ	BANNER LOS ROBLES CORPORATION	200 S LOS ROBLES AVE STE 430 PASADENA CA 91101	NE	0.43 / 2,277.33	33	485

<i>Map Key</i>	<i>DB</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Direction</i>	<i>Distance (mi/ft)</i>	<i>Elev Diff (ft)</i>	<i>Page Number</i>
142	DELISTED HAZ	S O S FOOD LAB INC	1010 S ARROYO PKWY # 8 PASADENA CA 91105	S	0.45 / 2,369.32	-33	485
143	ENVIROSTOR	CITY OF PASADENA POWER PLANT	72 EAST GLENARM STREET PASADENA CA 91105	S	0.58 / 3,061.03	-38	485
			<i>Estor/EPA ID Cleanup Status:</i> 60001941 NO FURTHER ACTION AS OF 8/6/2014				
144	ENVIROSTOR	PASADENA AREA SUPPORT CNTR	PASADENA CA 91105	WNW	1.00 / 5,275.96	3	486
			<i>Estor/EPA ID Cleanup Status:</i> 80000354 NO FURTHER ACTION AS OF 10/24/2011				
144	ENVIROSTOR	PASADENA ARMY HOSP	PASADENA CA	WNW	1.00 / 5,275.96	3	487
			<i>Estor/EPA ID Cleanup Status:</i> 80000099 INACTIVE - NEEDS EVALUATION AS OF 7/1/2005				

Executive Summary: Summary by Data Source

Standard

Federal

SEMS - SEMS List 8R Active Site Inventory

A search of the SEMS database, dated Nov 14, 2018 has found that there are 2 SEMS site(s) within approximately 0.50 miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
HUNTINGTON HOSPITAL MERCURY	100 WEST CALIFORNIA PASADENA, CA 91105	WSW	0.28 / 1,462.57	<u>130</u>
MONITOR POLISHING & PLATING	390 S PASADENA AVE PASADENA CA 91105	WNW	0.35 / 1,822.21	<u>138</u>

SEMS ARCHIVE - SEMS List 8R Archive Sites

A search of the SEMS ARCHIVE database, dated Nov 14, 2018 has found that there are 1 SEMS ARCHIVE site(s) within approximately 0.50 miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
HUNTINGTON DESK	855 S ARROYO PKWY PASADENA CA 91105	S	0.34 / 1,802.72	<u>137</u>

CERCLIS - Comprehensive Environmental Response, Compensation and Liability Information System - CERCLIS

A search of the CERCLIS database, dated Oct 25, 2013 has found that there are 3 CERCLIS site(s) within approximately 0.50 miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
HUNTINGTON HOSPITAL MERCURY	100 WEST CALIFORNIA PASADENA, CA 91105	WSW	0.28 / 1,462.57	<u>130</u>
MONITOR POLISHING & PLATING	390 S PASADENA AVE PASADENA CA 91105	WNW	0.35 / 1,822.21	<u>138</u>

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
HUNTINGTON DESK	855 S ARROYO PKWY PASADENA CA 91105	S	0.34 / 1,802.72	<u>137</u>

CERCLIS NFRAP - CERCLIS - No Further Remedial Action Planned

A search of the CERCLIS NFRAP database, dated Oct 25, 2013 has found that there are 1 CERCLIS NFRAP site(s) within approximately 0.50 miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
HUNTINGTON DESK	855 S ARROYO PKWY PASADENA CA 91105	S	0.34 / 1,802.72	<u>137</u>

RCRA CORRACTS - RCRA CORRACTS-Corrective Action

A search of the RCRA CORRACTS database, dated Dec 17, 2018 has found that there are 1 RCRA CORRACTS site(s) within approximately 1.00 miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
MONITOR POLISHING & PLATING	390 S PASADENA AVE PASADENA CA 91105	WNW	0.35 / 1,822.21	<u>138</u>

RCRA LQG - RCRA Generator List

A search of the RCRA LQG database, dated Dec 17, 2018 has found that there are 1 RCRA LQG site(s) within approximately 0.25 miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
CVS PHARMACY # 9668	727 SOUTH ARROYO PARKWAY PASADENA CA 91105	S	0.17 / 923.04	<u>87</u>

RCRA SQG - RCRA Small Quantity Generators List

A search of the RCRA SQG database, dated Dec 17, 2018 has found that there are 28 RCRA SQG site(s) within approximately 0.25 miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
HOME VAN VECHTEN THE	450 S ARROYO PKY PASADENA CA 91105	NNE	0.02 / 84.23	<u>11</u>
PLATI GERMAN CAR SERVICE	442 S RAYMOND ST PASADENA CA 91105	NW	0.04 / 202.89	<u>22</u>
HYCHEM INC	394 SOUTH RAYMOND AVE PASADENA CA 91105	NNW	0.05 / 280.32	<u>37</u>
SWAN CLEANERS	319 S ARROYO PKWY UNIT 7 PASADENA CA 91105	N	0.12 / 657.08	<u>64</u>

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
A N TOOL & DIE	518 SO FAIR OAKS PASADENA CA 91105	W	0.13 / 685.12	<u>67</u>
STANYER & EDMONDSON	400 S FAIR OAKS AVE PASADENA CA 91105	NW	0.13 / 701.50	<u>70</u>
CAL SWISS A DIVISION GORKO IND	390 S FAIR OAKS AVE PASADENA CA 91105-0430	NW	0.14 / 717.06	<u>75</u>
BROWN & CALDWELL LABS	373 S FAIR OAKS AVE PASADENA CA 91105	NW	0.16 / 824.61	<u>81</u>
CUTLER AUTOMOTIVE	38 WAVERLY DR PASADENA CA 91105	NW	0.21 / 1,091.64	<u>104</u>
CONVERSE ENVIROLAB	67 W BELLEVUE DR PASADENA CA 91105	WNW	0.21 / 1,129.14	<u>109</u>
MAXDEM, INC	267 S FAIR OAKS AVE PASADENA CA 91105	NNW	0.23 / 1,225.35	<u>120</u>
CROWN CITY TIRE	80 W BELLEVUE DR PASADENA CA 91105	WNW	0.23 / 1,240.60	<u>122</u>
LOGIN PRINTER COMPANY	66 W WAVERLY DRIVE PASADENA CA 91105	NW	0.24 / 1,246.16	<u>123</u>
CALTECH WAVERLY WAREHOUSE	55 WAVERLY DR PASADENA CA 91105	NW	0.24 / 1,251.21	<u>124</u>
GENZYME GENETICS	11 W DEL MAR BLVD PASADENA CA 91105	NW	0.24 / 1,274.33	<u>126</u>
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
BRYANS CLEANERS INC	544 S ARROYO PARKWAY PASADENA CA 91105	SE	0.02 / 87.89	<u>17</u>
CHEVRON STATION NO 91410	160 E CALIFORNIA BLVD PASADENA CA 91105-3230	SSE	0.05 / 242.62	<u>34</u>

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
HUNTINGTON MEDICAL GROUP INC	55 E CALIFORNIA BLVD PASADENA CA 91105	SW	0.07 / 344.74	41
DY DEE DIAPER SERVICE	40 E CALIFORNIA PASADENA CA 91105	SW	0.09 / 489.81	49
FARRIS AND SONS AUTO SVC	621 S ARROYO PARKWAY UNIT B PASADENA CA 91105	S	0.10 / 515.01	51
ARROYO CLEANERS	633 S ARROYO PKWY 4 PASADENA CA 91105	S	0.10 / 546.23	54
RADCLIFFE ENGINEERING CORP	681 S RAYMOND AVE PASADENA CA 91105	SSW	0.13 / 667.14	65
HUNTINGTON MAGNETIC RESONANCE	10 PICO PASADENA CA 91105	SW	0.13 / 703.87	72
HUNTINGTON TRUST	707 S RAYMOND AVE PASADENA CA 91105	SSW	0.18 / 968.18	94
HUNTINGTON EXTENDED CARE	716 S FAIR OAKS AVE PASADENA CA 91105	SSW	0.21 / 1,128.25	108
ORHTOPAEDIC INSTITUTE INC	10 CONGRESS ST 103 PASADENA CA 91105	SW	0.22 / 1,142.48	113
CONGRESS ASSOCIATES INC	39 CONGRESS ST STE 201 PASADENA CA 91105	SW	0.22 / 1,152.51	114
CLINICAL MICRO SENSORS DBA OSMETECH	757 S RAYMOND AVE PASADENA CA 91105	S	0.23 / 1,213.46	118

RCRA CESQG - RCRA Conditionally Exempt Small Quantity Generators List

A search of the RCRA CESQG database, dated Dec 17, 2018 has found that there are 1 RCRA CESQG site(s) within approximately 0.25 miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
ROGERSON KRATOS	403 S RAYMOND AVE PASADENA CA 91109	NNW	0.05 / 272.13	36

RCRA NON GEN - RCRA Non-Generators

A search of the RCRA NON GEN database, dated Dec 17, 2018 has found that there are 28 RCRA NON GEN site(s) within approximately 0.25 miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
MRS GOOCH'S NATURAL FOODS MARKET INC DBA WHOLE FOODS MARKET ARR 37	465 S ARROYO PKWY PASADENA CA 91105	-	0.00 / 0.00	2
CROWELL & LYONS EQUIPMENT INC	495 A ARROYO PKWY PASADENA CA 91105	ENE	0.00 / 22.69	7
PERFORMANCE BICYCLE SHOP #81	323 S ARROYO PKWY PASADENA CA 91105-2515	N	0.12 / 614.35	59
JNJ INC SWAN CLEANERS	319 S ARROYO PRKWY STE 7 PASADENA CA 91105	N	0.12 / 657.08	64
NISHIKAWA AUTO SERVICE	510 S FAIR OAKS AVE PASADENA CA 91105-0000	W	0.13 / 683.03	66
HEALTHCARE PARTNERS LTD	401 S FAIR OAKS PASADENA CA 91105-0000	NW	0.14 / 723.77	77
GOODWILL INDUSTRIES OF SOUTHERN CALIFORNIA, FAIR OAKS #3	340 S. FAIR OAKS AVENUE PASADENA CA 91105	NW	0.17 / 912.66	86
DAVID N SCHULTZ	285 E. CALIFORNIA BLVD. #301 PASADENA CA 91106	ESE	0.18 / 953.80	91
DESIGN LAB	30 EAST DEL MAR BLVD. PASADENA CA 91105	NNW	0.19 / 1,004.97	97
JACK S BROUSSARD JR DDS	301 S FAIR OAKS AVE STE 204 PASADENA CA 91105-0000	NNW	0.21 / 1,091.70	105

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
HEALTHCARE PARTNERS	301 S FAIR OAKS AVE PASADENA CA 91105	NNW	0.21 / 1,091.70	<u>105</u>
SONA ASATRYAN DDS	301 S FAIR OAKS AVE STE 206 PASADENA CA 91105-2536	NNW	0.21 / 1,091.70	<u>105</u>
PAUL P. SHINTO, D.D.S., INC.	301 S FAIR OAKS AVE STE 205 PASADENA CA 91105-2536	NNW	0.21 / 1,091.70	<u>105</u>
MARCHACK & MARCHACK DDS	301 S FAIR OAKS AVE STE 408 PASADENA CA 91105-2562	NNW	0.21 / 1,091.70	<u>105</u>
THE HALLIE	280 E. DELMAR BLVD PASADENA CA 91101	NE	0.21 / 1,097.49	<u>106</u>
ESSEX PROPERTY TRUST - MONTERRA DEL MAR	280 E DEL MAR PASADENA CA 91105	NE	0.21 / 1,097.49	<u>106</u>
THE HALLIE	280 E DEL MAR BLVD PASADENA CA 91101	NE	0.21 / 1,097.49	<u>106</u>
CAD BLU, INC.	64 WEST BELLEVUE DRIVE PASADENA CA 91105	WNW	0.21 / 1,127.69	<u>107</u>
OMNIPATHOLOGY SOLUTIONS MEDICAL CORP	11 W DEL MAR BLVD STE 100 PASADENA CA 91105-2505	NW	0.24 / 1,274.33	<u>126</u>
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
ZAQ SERVICE STATION	160 E CALIFORNIA BLVD PASADENA CA 91105-3230	SSE	0.05 / 242.62	<u>34</u>
TRADER JOES 051	610 S ARROYO PKWY PASADENA CA 91105	SSE	0.05 / 287.29	<u>38</u>
RAYS MBZ	621 S ARROYO PKWY STE B PASADENA CA 91105-3280	S	0.10 / 515.01	<u>51</u>
HEALTHCARE PARTNERS	675 S ARROYO PKWY PASADENA CA 91105	S	0.14 / 755.35	<u>79</u>

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
UNIVERSITY OF SOUTHERN CALIFORNIA DBA KENNETH NORRIS JR	625 S FAIR OAKS AVE STE 400 PASADENA CA 91105-2684	SW	0.15 / 775.26	80
UCLA PASADENA HEM/ONC	625 S FAIR OAKS AVE STE 320 PASADENA CA 91105	SW	0.15 / 775.26	80
FASHION CLEANERS	1 W CALIFORNIA BLVD PASADENA CA 91105	WSW	0.16 / 831.97	83
HUNTINGTON MEDICAL RESEARCH INSTITUTES	686 S FAIR OAKS AVE PASADENA CA 91101	SW	0.19 / 978.83	95
DEPARTMENT OF TOXIC SUBSTANCES CONTROL	757 S RAYMOND AVE PASADENA CA 91105	S	0.23 / 1,213.46	118

FED BROWNFIELDS - The Assessment, Cleanup and Redevelopment Exchange System (ACRES) Brownfield Database

A search of the FED BROWNFIELDS database, dated Jan 11, 2019 has found that there are 1 FED BROWNFIELDS site(s) within approximately 0.50 miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
Inter-Modal	750 South Raymond Avenue 766 South Raymond Avenue Pasadena CA 91105	S	0.25 / 1,309.71	129

State

RESPONSE - State Response Sites

A search of the RESPONSE database, dated Dec 20, 2018 has found that there are 1 RESPONSE site(s) within approximately 1.00 miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
HUNTINGTON MEDICAL PLAZA	N.W. CORNER OF FAIR OAKS & BELLEFONTAINE PASADENA CA 91105 <i>Estor/EPA ID Cleanup Status: 19800027 CERTIFIED AS OF 9/1/1984</i>	SSW	0.33 / 1,718.22	135

ENVIROSTOR - EnviroStor Database

A search of the ENVIROSTOR database, dated Dec 20, 2018 has found that there are 12 ENVIROSTOR site(s) within approximately 1.00 miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
HUNTINGTON MEMORIAL HOSPITAL	100 W. CALIFORNIA BOULEVARD PASADENA CA 91105	SW	0.32 / 1,691.78	<u>134</u>
<i>Estor/EPA ID Cleanup Status: 71002706 REFER: OTHER AGENCY AS OF</i>				
MONITOR POLISHING & PLATING	390 S. PASADENA AVENUE PASADENA CA 91105	WNW	0.33 / 1,723.54	<u>136</u>
<i>Estor/EPA ID Cleanup Status: 71002527 INACTIVE - ACTION REQUIRED AS OF 4/26/2017</i>				
MONITOR POLISHING & PLATING	390 S PASADENA AVE PASADENA CA 911050000	WNW	0.35 / 1,837.25	<u>139</u>
<i>Estor/EPA ID Cleanup Status: 80001453 INACTIVE - ACTION REQUIRED AS OF 4/26/2017</i>				
MONITOR POLISHING & PLATING	390 S PASADENA AVE PASADENA CA 911050000	WNW	0.35 / 1,837.25	<u>139</u>
<i>Estor/EPA ID Cleanup Status: CAD066233834 </i>				
PASADENA ARMY HOSP	PASADENA CA	WNW	1.00 / 5,275.96	<u>144</u>
<i>Estor/EPA ID Cleanup Status: 80000099 INACTIVE - NEEDS EVALUATION AS OF 7/1/2005</i>				
PASADENA AREA SUPPORT CNTR	PASADENA CA 91105	WNW	1.00 / 5,275.96	<u>144</u>
<i>Estor/EPA ID Cleanup Status: 80000354 NO FURTHER ACTION AS OF 10/24/2011</i>				
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
ASSOCIATED MANUFACTURING CO.	PASADENA CA	WSW	0.11 / 580.30	<u>57</u>
<i>Estor/EPA ID Cleanup Status: 80000980 INACTIVE - NEEDS EVALUATION AS OF 7/1/2005</i>				
GLOBE ASBESTOS CO.	PASADENA CA	WSW	0.11 / 580.30	<u>57</u>
<i>Estor/EPA ID Cleanup Status: 80001011 INACTIVE - NEEDS EVALUATION AS OF 7/1/2005</i>				
RAYMOND AVENUE PROPERTY	707 S. RAYMOND AVE. PASADENA CA 91105	SSW	0.19 / 1,007.45	<u>98</u>
<i>Estor/EPA ID Cleanup Status: 19650033 REFER: 1248 LOCAL AGENCY AS OF 12/16/2003</i>				
HUNTINGTON MEDICAL PLAZA	N.W. CORNER OF FAIR OAKS & BELLEFONTAINE PASADENA CA 91105	SSW	0.30 / 1,565.20	<u>131</u>
<i>Estor/EPA ID Cleanup Status: 19800027 CERTIFIED AS OF 9/1/1984</i>				
SO CAL GAS/PASADENA MGP	815, 859 & 870 SOUTH RAYMOND AVENUE PASADENA CA 91105	S	0.31 / 1,644.89	<u>133</u>
<i>Estor/EPA ID Cleanup Status: 19490225 ACTIVE AS OF 4/30/2001</i>				
CITY OF PASADENA POWER PLANT	72 EAST GLENARM STREET PASADENA CA 91105	S	0.58 / 3,061.03	<u>143</u>
<i>Estor/EPA ID Cleanup Status: 60001941 NO FURTHER ACTION AS OF 8/6/2014</i>				

HWP - EnviroStor Hazardous Waste Facilities

A search of the HWP database, dated Dec 20, 2018 has found that there are 1 HWP site(s) within approximately 1.00 miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
MONITOR POLISHING & PLATING	390 S PASADENA AVE PASADENA CA 911050000	WNW	0.35 / 1,837.25	139
Estor/EPA ID: CAD066233834				

LUST - Leaking Underground Fuel Tank Reports

A search of the LUST database, dated Nov 30, 2018 has found that there are 2 LUST site(s) within approximately 0.50 miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
Southern California Public Radio	474 RAYMOND S PASADENA CA 91105	NNE	0.06 / 341.02	40
Global ID / Status / Status Date: T10000005348 Completed - Case Closed 2009-10-09 00:00:00				

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
ARCO #0510	125 CALIFORNIA BLVD E PASADENA CA 91105	S	0.01 / 78.20	10
Global ID / Status / Status Date: T0603702026 Completed - Case Closed 2004-12-03 00:00:00				

UST - Permitted Underground Storage Tank (UST) in GeoTracker

A search of the UST database, dated Nov 30, 2018 has found that there are 6 UST site(s) within approximately 0.25 miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
LHSW, Inc Arroyo Shell	290 S ARROYO PKWY PASADENA CA 91105	N	0.18 / 934.94	89
Facility ID: LACoFA0003294				

CROWN CITY TIRE & WHEEL INC.	80 W BELLEVUE DR Pasadena CA 91105	WNW	0.23 / 1,239.83	121
Facility ID: LACoFA0005096				

Huntington Hospital	100 W California Blvd Pasadena CA 91105	WSW	0.25 / 1,299.59	127
Facility ID: LACoFA0006340				

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
ARROYO CAR WASH CORP	605 S ARROYO PKWY PASADENA CA 91105	S	0.02 / 131.83	20
Facility ID: LACoFA0003316				

ZAQ Chevron	160 E. California Blvd. Pasadena CA 91105-3230	SSE	0.04 / 208.77	29
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<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
<i>Facility ID: LACoFA0006278</i>				
COLLIS P & HOWARD	757 S RAYMOND AVE PASADENA CA 91105	SSW	0.24 / 1,266.93	125
<i>Facility ID: LACoFA0021665</i>				

HHSS - Historical Hazardous Substance Storage Information Database

A search of the HHSS database, dated Aug 27, 2015 has found that there are 18 HHSS site(s) within approximately 0.25 miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
JURGENSENS GROCERY COMPANY	474 S. RAYMOND AVENUE PASADENA CA 91105	WNW	0.04 / 204.73	26
STANYER AND EDMONDSON OF PASADEN	400 S. FAIR OAKS AVE. PASADENA CA 91105	NW	0.13 / 701.50	70
SHIBLI HADDAD 14-406	290 S. ARROYO PARKWAY PASADENA CA 91101	N	0.18 / 956.07	93
RUSH PHARMACY	67 WEST BELLEVUE DRIVE PASADENA CA 91105	WNW	0.21 / 1,129.14	109

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
MILO PATTERSON	125 E CALIFORNIA PASADENA CA 91106	S	0.00 / 26.04	8
BRYANS CLEANERS INC	544 SO ARROYO PARKWAY PASADENA CA 91105	SE	0.02 / 87.89	17
ARROYO CALIFORNIA CAR WASH	605 S. ARROYO PKWAY PASADENA CA 91105	SSE	0.04 / 190.24	21
PASADENA MOVING CENTER	552 S RAYMOND PASADENA CA 91105	SW	0.04 / 203.89	24
NONE	160 E VALIFORNIA ARROYA PKWY PASADENA CA 91105	SSE	0.05 / 242.62	34
BILL BARRY	160 E. CALIF. PASADENA CA 91105	SSE	0.05 / 242.62	34

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
PUBLIC STORAGE	588 SO. FAIR OAKS AVE PASADENA CA 91105	WSW	0.13 / 690.58	<u>68</u>
JASS SHELL SERVICE	587 S. FAIROAK ST. PASADENA CA 91105	SW	0.14 / 721.50	<u>76</u>
KENNETH FRASER COMPANY INC	707 S. ARROYO PARKWAY PASADENA CA 91105	S	0.16 / 863.45	<u>84</u>
UNION OIL RETAIL RETAIL SALES	730 SOUTH RAYMOND AVENUE PASADENA CA 91105	SSW	0.18 / 953.98	<u>92</u>
MIKE WARD 14-413	733 S. ARROYO PARKWAY PASADENA CA 91101	S	0.19 / 1,011.72	<u>99</u>
BUDGET CAR AND TRUCK RENTAL	750 S. ARROYO PARKWAY PASADENA CA 91105	S	0.21 / 1,130.47	<u>110</u>
CALIFORNIA LIQUID FERTILIZER C	755 SO. RAYMOND AVE. PASADENA CA 91105	SSW	0.22 / 1,153.68	<u>115</u>
HUNTINGTON MEMORIAL HOSPITAL	100 CONGRESS ST. PASADENA CA 91105	SW	0.25 / 1,306.59	<u>128</u>

DELISTED TNK - Delisted Storage Tanks

A search of the DELISTED TNK database, dated Nov 30, 2018 has found that there are 5 DELISTED TNK site(s) within approximately 0.25 miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
ARROYAL CAR WASH	605 S. ARROYAL PARK WAY Pasadena CA 91105	ESE	0.07 / 387.71	<u>45</u>
CHEVRON STATION #91410	160 E. CALIFORNIA BLVD. Pasadena CA 91105	E	0.12 / 650.27	<u>62</u>
CROWN CITY TIRE	80 W. BELLEVUE DR. Pasadena CA 91105	NW	0.18 / 924.82	<u>88</u>

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
ARCO FACILITY #510	125 E. CALIFORNIA AVE. Pasadena CA 91105	S	0.01 / 32.98	9
HUNTINGTON MEMORIAL HOSPITAL	100 WEST CALIFORNIA BLVD. Pasadena CA 91105	SW	0.20 / 1,061.38	103

CERS TANK - California Environmental Reporting System (CERS) Tanks

A search of the CERS TANK database, dated Nov 29, 2018 has found that there are 6 CERS TANK site(s) within approximately 0.25 miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
SOUTHERN CALIFORNIA PUBLIC RADIO	474 S RAYMOND AVE PASADENA CA 91105	WNW	0.04 / 204.73	26
LHSW, Inc Arroyo Shell	290 S ARROYO PKWY PASADENA CA 91105	N	0.18 / 956.07	93
CROWN CITY TIRE & WHEEL INC.	80 W BELLEVUE DR PASADENA CA 91105	WNW	0.23 / 1,240.60	122

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
ARROYO CAR WASH CORP	605 S ARROYO PKWY PASADENA CA 91105	SSE	0.04 / 190.24	21
ZAQ Chevron	160 E. CALIFORNIA BLVD. PASADENA CA 91105-3230	SSE	0.05 / 242.62	34
FAIR OAKS GAS	718 S FAIR OAKS AVE SOUTH PASADENA CA 91030	SSW	0.22 / 1,135.45	111

VCP - Voluntary Cleanup Program

A search of the VCP database, dated Dec 20, 2018 has found that there are 1 VCP site(s) within approximately 0.50 miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
SO CAL GAS/PASADENA MGP	815, 859 & 870 SOUTH RAYMOND AVENUE PASADENA CA 91105 <i>Estor/EPA ID Cleanup Status: 19490225 ACTIVE AS OF 4/30/2001</i>	S	0.31 / 1,644.89	133

CLEANUP SITES - GeoTracker Cleanup Sites Data

A search of the CLEANUP SITES database, dated Nov 30, 2018 has found that there are 1 CLEANUP SITES site(s) within approximately 0.50 miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
CHAMPION PLAZA	753-755 S. ARROYO PKWY PASADENA CA 91105	S	0.23 / 1,205.27	117

HIST TANK - Historical Hazardous Substance Storage Container Information - Facility Summary

A search of the HIST TANK database, dated May 27, 1988 has found that there are 18 HIST TANK site(s) within approximately 0.25 miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
JURGENSEN'S GROCERY COMPANY	474 S. RAYMOND AVENUE PASADENA CA	WNW	0.04 / 204.73	26
STANYER & EDMONDSON OF PASADEN	400 S. FAIR OAKS AVE. PASADENA CA	NW	0.13 / 701.50	70
SHIBLI HADDAD #14-406	290 S.ARROYO PARKWAY PASADENA CA	N	0.18 / 937.88	90
RUSH PHARMACY	67 WEST BELLEVUE DRIVE PASADENA CA	WNW	0.21 / 1,129.14	109

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
MILO PATTERSON	125 E CALIFORNIA PASADENA CA CA	S	0.01 / 32.98	9
BRYAN'S CLEANERS INC.	544 SO ARROYO PARKWAY PASADENA CA	SE	0.02 / 87.89	17
ARROYO CALIFORNIA CAR WASH	605 S. ARROYO PKWAY PASADENA CA	SSE	0.04 / 190.24	21
PASADENA MOVING CENTER	552 S RAYMOND PASADENA CA	SW	0.04 / 203.89	24
91410	160 E CALIFORNIA PASADENA CA	SSE	0.05 / 242.62	34

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
BILL BARRY	160 E. CALIF. PASADENA CA	SSE	0.05 / 242.62	34
PUBLIC STORAGE	588 SO. FAIR OAKS AVE PASADENA CA	WSW	0.13 / 690.58	68
JASS SHELL SERVICE	587 S. FAIROAK ST. PASADENA CA	SW	0.14 / 721.50	76
KENNETH FRASER COMPANY, INC.	707 S. ARROYO PARKWAY PASADENA CA	S	0.16 / 863.45	84
UNION OIL RETAIL RETAIL SALES	730 SOUTH RAYMOND AVENUE PASADENA CA	SSW	0.18 / 953.98	92
MIKE WARD #14-413	733 S. ARROYO PARKWAY PASADENA CA	S	0.19 / 1,011.72	99
BUDGET CAR & TRUCK RENTAL	750 S. ARROYO PARKWAY PASADENA CA	S	0.21 / 1,130.47	110
CALIFORNIA LIQUID FERTILIZER C	755 SO. RAYMOND AVE. PASADENA CA	SSW	0.22 / 1,153.68	115
HUNTINGTON MEMORIAL HOSPITAL	100 CONGRESS ST. PASADENA CA	SW	0.25 / 1,306.59	128

County

LA HMS - Los Angeles County - HMS List

A search of the LA HMS database, dated Dec 12, 2018 has found that there are 26 LA HMS site(s) within approximately 0.25 miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
	455 S ARROYO PKWY PASADENA CA 91105	NNE	0.00 / 21.77	5
	432 S ARROYO PKWY PASADENA CA 91103	NNE	0.02 / 86.68	14

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
	411 S ARROYO PKWY PASADENA CA 91105	NNE	0.02 / 120.98	<u>19</u>
	474 S RAYMOND AVE PASADENA CA 91104	WNW	0.04 / 204.73	<u>26</u>
	443 S RAYMOND AVE PASADENA CA 91105	NW	0.04 / 224.38	<u>31</u>
	400 S FAIR OAKS AVE PASADENA CA 91105	NW	0.13 / 701.50	<u>70</u>
	511 S FAIR OAKS AVE PASADENA CA 91115	W	0.13 / 704.32	<u>73</u>
	373 S FAIR OAKS AVE PASADENA CA 91105	NW	0.16 / 824.61	<u>81</u>
	333 S FAIR OAKS AVE PASADENA CA 911052541	NW	0.17 / 898.65	<u>85</u>
	290 S ARROYO PKWY PASADENA CA 91103	N	0.18 / 956.07	<u>93</u>
	67 W BELLEVUE DR PASADENA CA 91105	WNW	0.21 / 1,129.14	<u>109</u>
	80 W BELLEVUE DR PASADENA CA 91105	WNW	0.23 / 1,240.60	<u>122</u>

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
	125 E CALIFORNIA BLVD PASADENA CA 91115	S	0.00 / 26.04	<u>8</u>
	544 S ARROYO PKWY PASADENA CA 91105	SE	0.02 / 87.89	<u>17</u>
	605 S ARROYO PKWY PASADENA CA 91105	SSE	0.04 / 190.24	<u>21</u>

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
	522 S RAYMOND AVE PASADENA CA 91104	WSW	0.04 / 204.75	<u>27</u>
	160 E CALIFORNIA BLVD PASADENA CA 91115	SSE	0.05 / 242.62	<u>34</u>
	665 S RAYMOND AVE PASADENA CA 91103	SSW	0.12 / 636.23	<u>61</u>
	587 S FAIR OAKS AVE PASADENA CA 91105	SW	0.14 / 721.50	<u>76</u>
	651 S FAIR OAKS AVE PASADENA CA 91115	SW	0.16 / 830.99	<u>82</u>
	707 S ARROYO PKWY PASADENA CA 91105	S	0.16 / 863.45	<u>84</u>
	730 S RAYMOND AVE PASADENA CA 91105	SSW	0.18 / 953.98	<u>92</u>
	686 S FAIR OAKS AVE PASADENA CA 91115	SW	0.19 / 978.83	<u>95</u>
	733 S ARROYO PKWY PASADENA CA 91101	S	0.19 / 1,011.72	<u>99</u>
	750 S ARROYO PKWY PASADENA CA 91105	S	0.21 / 1,130.47	<u>110</u>
	755 S ARROYO PKWY PASADENA CA 91105	S	0.23 / 1,216.08	<u>119</u>

Non Standard

Federal

FINDS/FRS - Facility Registry Service/Facility Index

A search of the FINDS/FRS database, dated Oct 17, 2018 has found that there are 31 FINDS/FRS site(s) within approximately 0.12 miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
WHOLE FOODS #37	465 S ARROYO PKWY PASADENA CA 91105	-	0.00 / 0.00	<u>2</u>
CROWELL & LYONS EQUIPMENT INC	495 A ARROYO PKWY PASADENA CA 91105	ENE	0.00 / 22.69	<u>7</u>
HOME VAN VECHTEN THE	450 S ARROYO PKY PASADENA CA 91105-2530	NNE	0.02 / 84.23	<u>11</u>
PARKWAY GRILL	510 S ARROYO PKWY PASADENA CA 91105	ESE	0.02 / 86.43	<u>13</u>
T-MOBILE WEST CORPORATION IE24799A	411 S ARROYO PKWY PASADENA CA 91105	NNE	0.02 / 120.98	<u>19</u>
PLATI GERMAN CAR SERVICE	442 S RAYMOND ST PASADENA CA 91105	NW	0.04 / 202.89	<u>22</u>
SOUTHERN CALIFORNIA PUBLIC RADIO	474 S RAYMOND AVE PASADENA CA 91105	WNW	0.04 / 204.73	<u>26</u>
DISNEY STORE USA LLC	443 S RAYMOND AVE PASADENA CA 91105	NW	0.04 / 224.38	<u>31</u>
ROGERSON KRATOS	403 S RAYMOND AVE PASADENA CA 91109	NNW	0.05 / 272.13	<u>36</u>
HYCHEM INC	394 SOUTH RAYMOND AVE PASADENA CA 91105	NNW	0.05 / 280.32	<u>37</u>
HRC FERTILITY	333 S ARROYO PKWY PASADENA CA 91105	N	0.07 / 395.47	<u>46</u>
CONGREGATION ALE HOUSE	300 S RAYMOND AVE PASADENA CA 91105	NNW	0.10 / 524.63	<u>53</u>

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
SWAN CLEANERS	319 S ARROYO PKWY UNIT 7 PASADENA CA 91105	N	0.12 / 657.08	<u>64</u>
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
DONA ROSA BAKERY AND TAQUERIA	577 S ARROYO PKWY PASADENA CA 91105	-	0.00 / 0.00	<u>3</u>
ARCO #0510	125 CALIFORNIA BLVD E PASADENA CA 91105	S	0.00 / 26.04	<u>8</u>
ARROYO CHOP HOUSE	536 S ARROYO PKWY PASADENA CA 91105	SE	0.02 / 87.52	<u>16</u>
BRYANS CLEANERS INCORPORATED	544 SOUTH ARROYO PARKWAY PASADENA CA 91105-2583	SE	0.02 / 87.89	<u>17</u>
ARROYO CAR WASH CORP	605 S ARROYO PKWY PASADENA CA 91105	SSE	0.04 / 190.24	<u>21</u>
U-HAUL MOVING & STORAGE OF PASADENA	552 S. RAYMOND AVE. PASADENA CA 91105	SW	0.04 / 203.89	<u>24</u>
CHEVRON STATION NO 91410	160 E CALIFORNIA BLVD PASADENA CA 911053230	SSE	0.05 / 242.62	<u>34</u>
ALLMETAL MFG	617 S RAYMOND AVE PASADENA CA 91105	SSW	0.05 / 271.15	<u>35</u>
WEST WORLD IMPORTS	171 E CALIFORNIA BLVD PASADENA CA 91105	SE	0.06 / 303.53	<u>39</u>
HUNTINGTON MEDICAL GROUP INC	55 E CALIFORNIA BLVD PASADENA CA 91105	SW	0.07 / 344.74	<u>41</u>
DY DEE DIAPER SERVICE	40 E CALIFORNIA PASADENA CA 91105-3285	SW	0.09 / 489.81	<u>49</u>

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
FARRIS AND SONS AUTO SVC	621 S ARROYO PARKWAY UNIT B PASADENA CA 91105	S	0.10 / 515.01	51
ARROYO AUTO CENTER	621 S ARROYO PKWY # A PASADENA CA 91105	S	0.10 / 515.01	51
THE BEST	621 S ARROYO PKWY # C PASADENA CA 91105	S	0.10 / 515.01	51
RAY'S MBZ	621 S ARROYO PKWY # B PASADENA CA 91105	S	0.10 / 515.01	51
PLAY-WELL EQUIPMENT	655 S RAYMOND AVE PASADENA CA 91105	SSW	0.10 / 521.24	52
ARROYO CLEANERS	633 S ARROYO PKWY 4 PASADENA CA 91105-3293	S	0.10 / 546.23	54
HMRI SWEDISH EMBASSY	665 S RAYMOND AVE PASADENA CA 91105	SSW	0.12 / 636.23	61

FED DRYCLEANERS - Drycleaner Facilities

A search of the FED DRYCLEANERS database, dated May 29, 2018 has found that there are 2 FED DRYCLEANERS site(s) within approximately 0.25 miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
HOME VAN VECHTEN THE	450 S ARROYO PKY PASADENA CA 91105	NNE	0.02 / 84.23	11

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
BRYANS CLEANERS INCORPORATED	544 SOUTH ARROYO PARKWAY PASADENA CA 91105	SE	0.02 / 87.89	17

ALT FUELS - Alternative Fueling Stations

A search of the ALT FUELS database, dated Jan 15, 2019 has found that there are 1 ALT FUELS site(s) within approximately 0.25 miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
Greenlots - 43105	260 S Raymond Ave Pasadena CA 91105	NNW	0.19 / 1,015.14	100

SSTS - Registered Pesticide Establishments

A search of the SSTS database, dated Mar 1, 2018 has found that there are 1 SSTS site(s) within approximately 0.25 miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
Ozone Clean Technologies, Inc.	525 S. Raymond Ave - Pasadena CA 91105	WSW	0.04 / 224.48	32

State

DRYCLEANERS - Dry Cleaning Facilities

A search of the DRYCLEANERS database, dated Jan 18, 2019 has found that there are 19 DRYCLEANERS site(s) within approximately 0.25 miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
HOME VAN VECHTEN THE	450 S ARROYO PKWY PASADENA CA 911052530	NNE	0.02 / 84.23	11
1X LAUNDRY PARTNERS LIMITED	432 SOUTH ARROYO PARKWAY PASADENA CA 911010000	NNE	0.02 / 86.68	14
SWAN CLEANERS	319 S ARROYO PARKWAY PASADENA CA 911050000	N	0.12 / 657.08	64
SWAN CLEANERS	319 S ARROYO PARKWAY PASADENA CA 911050000	N	0.12 / 657.08	64
SWAN CLEANERS	319 S ARROYO PARKWAY PASADENA CA 911050000	N	0.12 / 657.08	64
SWAN CLEANERS	319 S ARROYO PKWY UNIT 7 PASADENA CA 911050000	N	0.12 / 657.08	64
SWAN CLEANERS	319 S ARROYO PKWY STE 7 PASADENA CA 911052547	N	0.12 / 657.08	64
JNJ INC SWAN CLEANERS	319 S ARROYO PRKWY STE 7 PASADENA CA 91105	N	0.12 / 657.08	64

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
ESCOLTA LLC DBA SWAN CLEANERS	319 S ARROYO PKWY STE 7 PASADENA CA 911052547	N	0.12 / 657.08	<u>64</u>
MONTERRA DEL MAR LAUNDRY ROOM	280 E DEL MAR BLVD PASADENA CA 911012770	NE	0.21 / 1,097.49	<u>106</u>
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
BRYAN'S CLEANERS	544 S ARROYO PKWY PASADENA CA 911050000	SE	0.02 / 87.89	<u>17</u>
BRYAN'S CLEANERS & DYERS INC	544 S ARROYO PKWY PASADENA CA 911050000	SE	0.02 / 87.89	<u>17</u>
DY DEE DIAPER SERVICE	40 E CALIFORNIA BLVD PASADENA CA 911050000	SW	0.09 / 489.81	<u>49</u>
ARROYO CLEANERS	633 S ARROYO PKWY STE 4 PASADENA CA 911050000	S	0.10 / 546.23	<u>54</u>
CROWN CITY RUG & UPHOLSTERY CLEANERS	665 S RAYMOND AVE PASADENA CA 911050000	SSW	0.12 / 636.23	<u>61</u>
HUNTINGTON MEMORIAL HOSPITAL	625 S FAIR OAKS AVE PASADENA CA 91105	SW	0.15 / 775.26	<u>80</u>
FASHION CLEANERS	1 W CALIFORNIA BLVD PASADENA CA 91105	WSW	0.16 / 831.97	<u>83</u>
EXPRESS CLEANERS	700 S FAIR OAKS AVE PASADENA CA 911052618	SSW	0.20 / 1,032.42	<u>101</u>
TELE CLEANERS	711 S. FAIR OAKS AVE #E SOUTH PASADENA CA 91030	SSW	0.22 / 1,135.81	<u>112</u>

CHMIRS - California Hazardous Material Incident Report System (CHMIRS)

A search of the CHMIRS database, dated Jun 19, 2018 has found that there are 2 CHMIRS site(s) within approximately 0.12 miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
City of Burbank HazMat	380 S Raymond Ave. Pasadena CA	NNW	0.08 / 406.16	47

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
Uhaul W Covina	552 S Raymond Ave Pasadena CA 91105	SW	0.04 / 203.89	24

HAZNET - Hazardous Waste Manifest Data

A search of the HAZNET database, dated Oct 24, 2016 has found that there are 89 HAZNET site(s) within approximately 0.12 miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
MRS GOOCH'S NATURAL FOODS MARKET INC DBA WHOLE FOODS MARKET ARR 37	465 S ARROYO PKWY PASADENA CA 91105	-	0.00 / 0.00	2
BUILDERS PLUS	112 E BELLVUE DR PASADENA CA 911050000	N	0.00 / 15.46	4
DISCOUNT TIRE CENTERS #022	455 S Arroyo Pkwy Pasadena CA 911052529	NNE	0.00 / 21.77	5
DISCOUNT TIRE CTR #94	455 S ARROYO PKWY PASADENA CA 911052529	NNE	0.00 / 21.77	5
BELLEVUE VENTURES LLC	455 S ARROYO PKWY PASADENA CA 911052529	NNE	0.00 / 21.77	5
PRO AUTO CTR	455 S ARROYO PKWY PASADENA CA 911050000	NNE	0.00 / 21.77	5
BELVIEW CENTER	455 S ARROYO PKWY PASADENA CA 91105	NNE	0.00 / 21.77	5
CROWELL & LYONS EQUIP INC	495 SO ARROYO PARKWAY PASADENA CA 911050000	ENE	0.00 / 22.67	6
HOME VAN VECHTEN THE	450 S ARROYO PKWY PASADENA CA 911052530	NNE	0.02 / 84.23	11

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
IMAGE OF INK	474 S ARROYO PARKWAY PASADENA CA 911050000	NE	0.02 / 85.23	<u>12</u>
IMAGE OF INK	474 S ARROYO PARKWAY PASADENA CA 911050000	NE	0.02 / 85.23	<u>12</u>
1X MUNSON & WHITE COMPANY	432 S ARROYO PARKWAY PASADENA CA 911010000	NNE	0.02 / 86.68	<u>14</u>
1X LAUNDRY PARTNERS LIMITED	432 SOUTH ARROYO PARKWAY PASADENA CA 911010000	NNE	0.02 / 86.68	<u>14</u>
1X TYLER COBLEIGH	432 S ARROYO PARKWAY PASADENA CA 911010000	NNE	0.02 / 86.68	<u>14</u>
CUSTOM RIMS&TIRES	496 S ARROYO PKWY PASADENA CA 911050000	E	0.02 / 86.71	<u>15</u>
TIRE CENTER INC	496 S ARROYO PARKWAY PASADENA CA 911050000	E	0.02 / 86.71	<u>15</u>
EURO COLLISION INC.	496 S ARROYO PKWY PASADENA CA 911050000	E	0.02 / 86.71	<u>15</u>
ARROYO STORAGE LLC	411 ARROYO PARKWAY PASADENA CA 911050000	NNE	0.02 / 120.98	<u>19</u>
PLATI GERMAN CAR SVC	442 S RAYMOND AVE PASADENA CA 911050000	NW	0.04 / 202.89	<u>22</u>
PLATI GERMAN CAR SERVICE	442 SO RAYMOND AVE PASADENA CA 911050000	NW	0.04 / 202.89	<u>22</u>
PLATI GERMAN CAR SERV & REPAIR	442 SOUTH RAYMOND AVE PASADENA CA 911050000	NW	0.04 / 202.89	<u>22</u>
ABSOLUTE AUTOMOTIVE SVS INC.	450 SOUTH RAYMOND PASADENA CA 911050000	NW	0.04 / 203.59	<u>23</u>

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
1X 220 NORTH LAKE, INC.	474-494 SOUTH RAYMOND PASADENA CA 911050000	NW	0.04 / 204.34	<u>25</u>
JOHN T COLLINS	500 S RAYMOND PASADENA CA 911050000	W	0.04 / 204.80	<u>28</u>
RAYMOND AVENUE SELF STORAGE	421 S RAYMOND AVE PASADENA CA 911052609	NW	0.04 / 222.10	<u>30</u>
MILUM TEXTILE SERVICES	443 S. RAYMOND PASADENA CA 911050000	NW	0.04 / 224.38	<u>31</u>
THE DISNEY STORES	443 S RAYMOND AVE PASADENA CA 91105	NW	0.04 / 224.38	<u>31</u>
THE DISNEY STORES	443 S RAYMOND AVE PASADENA CA 911052630	NW	0.04 / 224.38	<u>31</u>
KRATOS INC AVIATION PRODUCTS DIV	403 S RAYMOND AVE PASADENA CA 911050000	NNW	0.05 / 272.13	<u>36</u>
ROGERSON AIRCRAFT CORP	403 S RAYMOND AVE PASADENA CA 911052609	NNW	0.05 / 272.13	<u>36</u>
ROGERSON KRATOS	403 S RAYMOND AVE PASADENA CA 911052609	NNW	0.05 / 272.13	<u>36</u>
HYCHEM INC	394 SOUTH RAYMOND AVE PASADENA CA 911050000	NNW	0.05 / 280.32	<u>37</u>
CALTRANS DIST 7 ROW	190 CALIFORNIA BLVD PASADENA CA 91105	SE	0.07 / 354.15	<u>42</u>
MOULE & POLYZOIDES CORP	180 E CALIFORNIA BLVD PASADENA CA 911053230	SE	0.07 / 368.80	<u>43</u>
HUNTINGTON REPRODUCTIVE CENTER	333 S ARROYO PKWY PASADENA CA 911052515	N	0.07 / 395.47	<u>46</u>

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
C F TOOL COMPANY INC	530 S MARENGO AVE PASADENA CA 911010000	ESE	0.10 / 513.42	50
PASADENA HUMANE SOCIETY	361 SOUTH RAYMOND AVE PASADENA CA 911050000	NNW	0.10 / 550.33	55
1X PASADENA HUMANE SOCIETY	335 S RAYMOND PASADENA CA 911050000	NNW	0.11 / 605.28	58
PERFORMANCE BICYCLE SHOP #81	323 S ARROYO PKWY PASADENA CA 911052515	N	0.12 / 614.35	59
SWAN CLEANERS	319 S ARROYO PARKWAY PASADENA CA 911050000	N	0.12 / 657.08	64
FUTURE IMAGE	319 SO ARROYO PARKWAY #6 PASADENA CA 911050000	N	0.12 / 657.08	64
SWAN CLEANERS	319 S ARROYO PKWY UNIT 7 PASADENA CA 911050000	N	0.12 / 657.08	64
SWAN CLEANERS	319 S ARROYO PKWY STE 7 PASADENA CA 911052547	N	0.12 / 657.08	64
JNJ INC SWAN CLEANERS	319 S ARROYO PRKWY STE 7 PASADENA CA 91105	N	0.12 / 657.08	64
SWAN CLEANERS	319 S ARROYO PARKWAY PASADENA CA 911050000	N	0.12 / 657.08	64
SWAN CLEANERS	319 S ARROYO PARKWAY PASADENA CA 911050000	N	0.12 / 657.08	64
ESCOLTA LLC DBA SWAN CLEANERS	319 S ARROYO PKWY STE 7 PASADENA CA 911052547	N	0.12 / 657.08	64

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
ABSOLUTE AUTOMOTIVE SERVICE INC	451 & 491 S ARROYO PKWY PASADENA CA 911050000	-	0.00 / 0.00	<u>1</u>
BP WEST COAST PRODUCTS LLC 00510	125 E CALIFORNIA AVE PASADENA CA 91105	S	0.00 / 26.04	<u>8</u>
PATTERSON'S ARCO 510	125 E CALIFORNIA AVE PASADENA CA 911050000	S	0.00 / 26.04	<u>8</u>
ARCO PRODUCTS COMPANY	125 E CALIFORNIA PASADENA CA 911050000	S	0.00 / 26.04	<u>8</u>
BP WEST COAST PRODUCTS LLC 00510	125 E CALIFORNIA AVE PASADENA CA 911050000	S	0.00 / 26.04	<u>8</u>
1X BRIAN'S CLEANING INC.	544 SOUTH ARROYO PARKWAY PASADENA CA 911050000	SE	0.02 / 87.89	<u>17</u>
BRYAN'S CLEANERS & DYERS INC	544 S ARROYO PKWY PASADENA CA 911050000	SE	0.02 / 87.89	<u>17</u>
BRYAN'S CLEANERS	544 S ARROYO PKWY PASADENA CA 911050000	SE	0.02 / 87.89	<u>17</u>
SAN MARINO POOL & PATIO	100 E CALIFORNIA BLVD PASADENA CA 911050000	SSW	0.02 / 98.23	<u>18</u>
LUNG CHU	605 S ARROYA PKWY PASADENA CA 911050000	SSE	0.04 / 190.24	<u>21</u>
TOSCO UNOCAL DEALER	605 SO ARROYO PARKWAY PASADENA CA 911050000	SSE	0.04 / 190.24	<u>21</u>
ARROYO CARWASH INC	605 S ARROYO PKWY PASADENA CA 911053207	SSE	0.04 / 190.24	<u>21</u>
UNOCAL SERVICE STATION_#9693	605 SO ARROYO PARKWAY PASADENA CA 911050000	SSE	0.04 / 190.24	<u>21</u>

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
U-HAUL INC	552 S RAYMOND AVE PASADENA CA 911050000	SW	0.04 / 203.89	<u>24</u>
U-HAUL PASADENA 713-64	552 S RAYMOND AVE PASADENA CA 911050000	SW	0.04 / 203.89	<u>24</u>
RAYMOND PLAZA PARTNERSHIP	517 SO RAYMOND AVE PASADENA CA 911050000	W	0.04 / 224.67	<u>33</u>
ERDMAN INSTRUMENTS INC	517 SOUTH RAYMOND AVE PASADENA CA 911050000	W	0.04 / 224.67	<u>33</u>
1X BILBERRY CHEVRON STATION	160 E CALIFORNIA STREET PASADENA CA 911010000	SSE	0.05 / 242.62	<u>34</u>
CHEVRON 91410	160 E CALIFORNIA BLVD PASADENA CA 911050000	SSE	0.05 / 242.62	<u>34</u>
CHEVRON PRODUCTS SS#_91410	160 E CALIFORNIA BLVD PASADENA CA 911053230	SSE	0.05 / 242.62	<u>34</u>
ZAQ SERVICE STATION	160 E CALIFORNIA BLVD PASADENA CA 911053230	SSE	0.05 / 242.62	<u>34</u>
NELSON CHEVERON	160 EAST CALIFORNIA PASADENA CA 911050000	SSE	0.05 / 242.62	<u>34</u>
HEALTHCARE PARTNERS MEDICAL GRP	55 E CALIFORNIA BLVD PASADENA CA 911050000	SW	0.07 / 344.74	<u>41</u>
CARDIOLOGY CARE OF THE HEART INC	630 S RAYMOND AVE UNIT 204 PASADENA CA 911053283	SSW	0.07 / 383.96	<u>44</u>
DY-DEE SERVICE OF PASADENA INC	40 E CALIFORNIA BLVD PASADENA CA 911050000	SW	0.09 / 489.81	<u>49</u>
DY DEE DIAPER SERVICE	40 E CALIFORNIA BLVD PASADENA CA 911050000	SW	0.09 / 489.81	<u>49</u>

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
M&G AUTO BODY	28 E CALIFORNIA BLVD PASADENA CA 911050000	SW	0.09 / 489.81	<u>49</u>
DY-DEE SERVICE OF PASADENA INC	40 E CALIFORNIA BLVD PASADENA CA 911050000	SW	0.09 / 489.81	<u>49</u>
RAY'S MBZ	621 S ARROYO PKWY STE B PASADENA CA 911053280	S	0.10 / 515.01	<u>51</u>
THE BEST SMOG REPAIR	621 S ARROYO PKWY STE C PASADENA CA 911053281	S	0.10 / 515.01	<u>51</u>
ARROYO AUTO CENTER	621 S ARROYO PKWY UNIT A PASADENA CA 911050000	S	0.10 / 515.01	<u>51</u>
FARRIS AND SONS AUTO SVC	621 S ARROYO PARKWAY UNIT B PASADENA CA 911050000	S	0.10 / 515.01	<u>51</u>
RAYS MBZ	621 S ARROYO PKWY STE B PASADENA CA 911053280	S	0.10 / 515.01	<u>51</u>
FAIR OAKS AUTOMOTIVE	621 S ARROYO PARKWAY #B PASADENA CA 911050000	S	0.10 / 515.01	<u>51</u>
JOHNS AUTO	621 S ARROYO PKWY STE B PASADENA CA 911053280	S	0.10 / 515.01	<u>51</u>
PLAYWELL EQUIPMENT CO	655 SO RAYMOND PASADENA CA 911050000	SSW	0.10 / 521.24	<u>52</u>
ARROYO CLEANERS	633 S ARROYO PKWY STE 4 PASADENA CA 911050000	S	0.10 / 546.23	<u>54</u>
APELS AUTO WRECKING	659 SOUTH RAYMOND AVENUE PASADENA CA 911050000	SSW	0.12 / 616.77	<u>60</u>
VICTOR'S MERCEDES SERVICE	665 S RAYMOND AVE PASADENA CA 911050000	SSW	0.12 / 636.23	<u>61</u>

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
VICTORS MERCEDES	665 S RAYMOND PASADENA CA 911050000	SSW	0.12 / 636.23	<u>61</u>
CROWN CITY RUG & UPHOLSTERY CLEANERS	665 S RAYMOND AVE PASADENA CA 911050000	SSW	0.12 / 636.23	<u>61</u>
GENESIS FO PARTNERS, LLC	590 S FAIR OAKS AVE PASADENA CA 91105	SW	0.12 / 650.39	<u>63</u>

HIST MANIFEST - Historical Hazardous Waste Manifest Data

A search of the HIST MANIFEST database, dated Dec 31, 1992 has found that there are 17 HIST MANIFEST site(s) within approximately 0.12 miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
	432 S ARROYO PARKWAY PASADENA CA 911010000	NNE	0.02 / 86.68	<u>14</u>
	432 S ARROYO PARKWAY PASADENA CA 911010000	NNE	0.02 / 86.68	<u>14</u>
	432 SOUTH ARROYO PARKWAY PASADENA CA 911010000	NNE	0.02 / 86.68	<u>14</u>
	450 SOUTH RAYMOND PASADENA CA 911050000	NW	0.04 / 203.59	<u>23</u>
	474-494 SOUTH RAYMOND PASADENA CA 911050000	NW	0.04 / 204.34	<u>25</u>
	443 S. RAYMOND PASADENA CA 911050000	NW	0.04 / 224.38	<u>31</u>
	403 S RAYMOND AVE PASADENA CA 911050000	NNW	0.05 / 272.13	<u>36</u>
	403 S RAYMOND AVE PASADENA CA 911052609	NNW	0.05 / 272.13	<u>36</u>
	394 SOUTH RAYMOND AVE PASADENA CA 911050000	NNW	0.05 / 280.32	<u>37</u>

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
	335 S RAYMOND PASADENA CA 911050000	NNW	0.11 / 605.28	58
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
	125 E CALIFORNIA PASADENA CA 911050000	S	0.00 / 26.04	8
	544 S ARROYO PKWY PASADENA CA 911050000	SE	0.02 / 87.89	17
	544 SOUTH ARROYO PARKWAY PASADENA CA 911050000	SE	0.02 / 87.89	17
	552 S RAYMOND AVE PASADENA CA 911050000	SW	0.04 / 203.89	24
	160 E CALIFORNIA STREET PASADENA CA 911010000	SSE	0.05 / 242.62	34
	28 E CALIFORNIA BLVD PASADENA CA 911050000	SW	0.09 / 489.81	49
	665 S RAYMOND AVE PASADENA CA 911050000	SSW	0.12 / 636.23	61

CERS HAZ - California Environmental Reporting System (CERS) Hazardous Waste Sites

A search of the CERS HAZ database, dated Nov 29, 2018 has found that there are 19 CERS HAZ site(s) within approximately 0.12 miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
WHOLE FOODS #37	465 S ARROYO PKWY PASADENA CA 91105	-	0.00 / 0.00	2
Parkway Grill	510 S ARROYO PKWY PASADENA CA 91105	ESE	0.02 / 86.43	13
T-Mobile West, LLC IE24799A	411 S ARROYO PKWY PASADENA CA 91105	NNE	0.02 / 120.98	19

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
PLATI GERMAN CAR SERVICE	442 S RAYMOND AVE PASADENA CA 91105	NW	0.04 / 202.89	<u>22</u>
DISNEY STORE USA LLC	443 S RAYMOND AVE PASADENA CA 91105	NW	0.04 / 224.38	<u>31</u>
ROGERSON KRATOS	403 S RAYMOND AVE S PASADENA CA 91105	NNW	0.05 / 272.13	<u>36</u>
HRC Fertility	333 S ARROYO PKWY PASADENA CA 91105	N	0.07 / 395.47	<u>46</u>
Congregation Ale House	300 S RAYMOND AVE PASADENA CA 91105	NNW	0.10 / 524.63	<u>53</u>
SWAN CLEANERS	319 S ARROYO PKWY # 7 PASADENA CA 91105	N	0.12 / 657.08	<u>64</u>
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
Arroyo Chop House	536 S ARROYO PKWY PASADENA CA 91105	SE	0.02 / 87.52	<u>16</u>
BRYAN'S CLEANER & LAUNDRY	544 S ARROYO PKWY PASADENA CA 91105	SE	0.02 / 87.89	<u>17</u>
U-Haul Moving & Storage of Pasadena	552 S. RAYMOND AVE. PASADENA CA 91105	SW	0.04 / 203.89	<u>24</u>
Allmetal Mfg	617 S RAYMOND AVE PASADENA CA 91105	SSW	0.05 / 271.15	<u>35</u>
Trader Joe's #051	610 S ARROYO PKWY PASADENA CA 91105	SSE	0.05 / 287.29	<u>38</u>
DY-DEE SERVICE	40 E CALIFORNIA BLVD PASADENA CA 91105	SW	0.09 / 489.81	<u>49</u>

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
RAY'S MBZ	621 S ARROYO PKWY # B PASADENA CA 91105	S	0.10 / 515.01	51
ARROYO AUTO CENTER	621 S ARROYO PKWY # A PASADENA CA 91105	S	0.10 / 515.01	51
The Best	621 S ARROYO PKWY # C PASADENA CA 91105	S	0.10 / 515.01	51
ARROYO CLEANERS	633 S ARROYO PKWY # 4 PASADENA CA 91105	S	0.10 / 546.23	54

DELISTED HAZ - Delisted Environmental Reporting System (CERS) Hazardous Waste Sites

A search of the DELISTED HAZ database, dated Nov 29, 2018 has found that there are 6 DELISTED HAZ site(s) within approximately 0.50 miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
SOUTHERN CALIFORNIA PUBLIC RADIO	474 S RAYMOND AVE PASADENA CA 91105	WNW	0.04 / 204.73	26
Pasadena Meadows Nursing Center LP	150 BELLEFONTAINE ST PASADENA CA 91105	SW	0.43 / 2,268.39	140
BANNER LOS ROBLES CORPORATION	200 S LOS ROBLES AVE STE 430 PASADENA CA 91101	NE	0.43 / 2,277.33	141

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
TELE CLEANERS	711 S FAIR OAKS AVE # E SOUTH PASADENA CA 91030	SSW	0.22 / 1,135.81	112
PASADENA SURGERY CENTER	800 S FAIRMOUNT AVE # 419 PASADENA CA 91105	SW	0.30 / 1,578.27	132
S O S FOOD LAB INC	1010 S ARROYO PKWY # 8 PASADENA CA 91105	S	0.45 / 2,369.32	142

EMISSIONS - Toxic Pollutant Emissions Facilities

A search of the EMISSIONS database, dated Dec 31, 2016 has found that there are 32 EMISSIONS site(s) within approximately 0.25 miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
HOME & VAN VECHTEN, D. BEDELL	450 S ARROYO PKWY PASADENA CA 91105	NNE	0.02 / 84.23	<u>11</u>
THE HOME-VAN VECHTEN	450 S ARROYO PKY PASADENA CA 91105	NNE	0.02 / 84.23	<u>11</u>
DEREK BEDELL ENT IN,THE HOME V	450 S ARROYO PKWY PASADENA CA 91105	NNE	0.02 / 84.23	<u>11</u>
DEREK BEDELL ENT IN,THE HOME V	450 S ARROYO PKY PASADENA CA 91105	NNE	0.02 / 84.23	<u>11</u>
MILUM TEXTILE SERV CO	443 S RAYMOND AV PASADENA CA 91102	NW	0.04 / 224.38	<u>31</u>
KRATOS INSTRUMENT DIV	403 S RAYMOND AV PASADENA CA 91109	NNW	0.05 / 272.13	<u>36</u>
ROGERSON- KRATOS,INC	403 S RAYMOND AVE PASADENA CA 91105	NNW	0.05 / 272.13	<u>36</u>
ROGERSON KRATOS	403 S RAYMOND AV PASADENA CA 91109	NNW	0.05 / 272.13	<u>36</u>
CROWN CITY BREWERY	300 S. RAYMOND AVE. PASADENA CA 91105	NNW	0.10 / 524.63	<u>53</u>
ARRIBA	425 S. FAIR OAKS PASADENA CA 91105	WNW	0.13 / 701.52	<u>71</u>
CAL-SWISS MFG. CO., INC.	390 S FAIR OAKS AVE. PASADENA CA 91105	NW	0.14 / 717.06	<u>75</u>
CAL-SWISS MFG. CO., INC.	390 S FAIR OAKS AVE PASADENA CA 91105	NW	0.14 / 717.06	<u>75</u>
LHSW, INC DBA ARROYO SHELL	290 S ARROYO PKY PASADENA CA 91105	N	0.18 / 956.07	<u>93</u>

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
EARL SCHEIB OF CAL INC	270 S ARROYO PKY PASADENA CA 90008	N	0.22 / 1,175.92	116
EARL SCHEIB OF CAL INC	270 S ARROYO PARKWAY PASADENA CA 90008	N	0.22 / 1,175.92	116
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
BRYAN'S CLEANERS & DYERS INC	544 S ARROYO PKY PASADENA CA 91105	SE	0.02 / 87.89	17
BRYANS CLEANERS & DYERS INC	544 S. ARROYO PARKWAY PASADENA CA 91101	SE	0.02 / 87.89	17
BRYAN'S CLEANERS & DYERS INC	544 S ARROYO PARKWAY PASADENA CA 91105	SE	0.02 / 87.89	17
ZAQ, INC	160 E CALIFORNIA BLVD PASADENA CA 91105	SSE	0.05 / 242.62	34
LUCKY BOY #4, J RELLOS/R KARAG	640 S. ARROYO PARKWAY PASADENA CA 91105	S	0.09 / 481.02	48
M & G AUTO BODY SHOP, JACK SEM	28 E CALIFORNIA BL PASADENA CA 91105	SW	0.09 / 489.81	49
PLAY-WELL EQUIP CO	655 S RAYMOND AV PASADENA CA 91105	SSW	0.10 / 521.24	52
ARROYO CLEANERS, MEHRAN FARHAD	633 S ARROYO PKWY PASADENA CA 91105	S	0.10 / 546.23	54
ARROYO CLEANERS, SUN JU CHO. DBA	633 S ARROYO PKY #4 PASADENA CA 91105	S	0.11 / 562.51	56
CLASSIC TOUCH BODY & PAINT (IHDZ-M)	559 S FAIR OAKS LONG BEACH CA 90805	WSW	0.13 / 697.98	69
SERVICE KING PAINT & BODY, LLC	559 S FAIR OAKS PASADENA CA 91103	WSW	0.13 / 706.99	74

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
RADCLIFFE ENGINEERING CORP	673 S RAYMOND AV PASADENA CA 91105	SSW	0.14 / 725.37	78
SIZZLER - FORBCO MANAGEMENT CO	730 S ARROYO PARKWAY PASADENA CA 91101	S	0.19 / 999.38	96
EXPRESS CLEANERS	700 S FAIR OAKS AVE UNIT H SOUTH PASADENA CA 91030	SSW	0.20 / 1,032.42	101
CAL LIQUID FERTILIZER CO INC	745-801 S RAYMOND AV PASADENA CA 91102	SSW	0.20 / 1,041.21	102
HUNTINGTON MEM HOSP	100 CONGRESS ST PASADENA CA 91105	SW	0.25 / 1,306.59	128
HUNTINGTON MEMORIAL HOSPITAL U	100 CONGRESS ST PASADENA CA 91105	SW	0.25 / 1,306.59	128

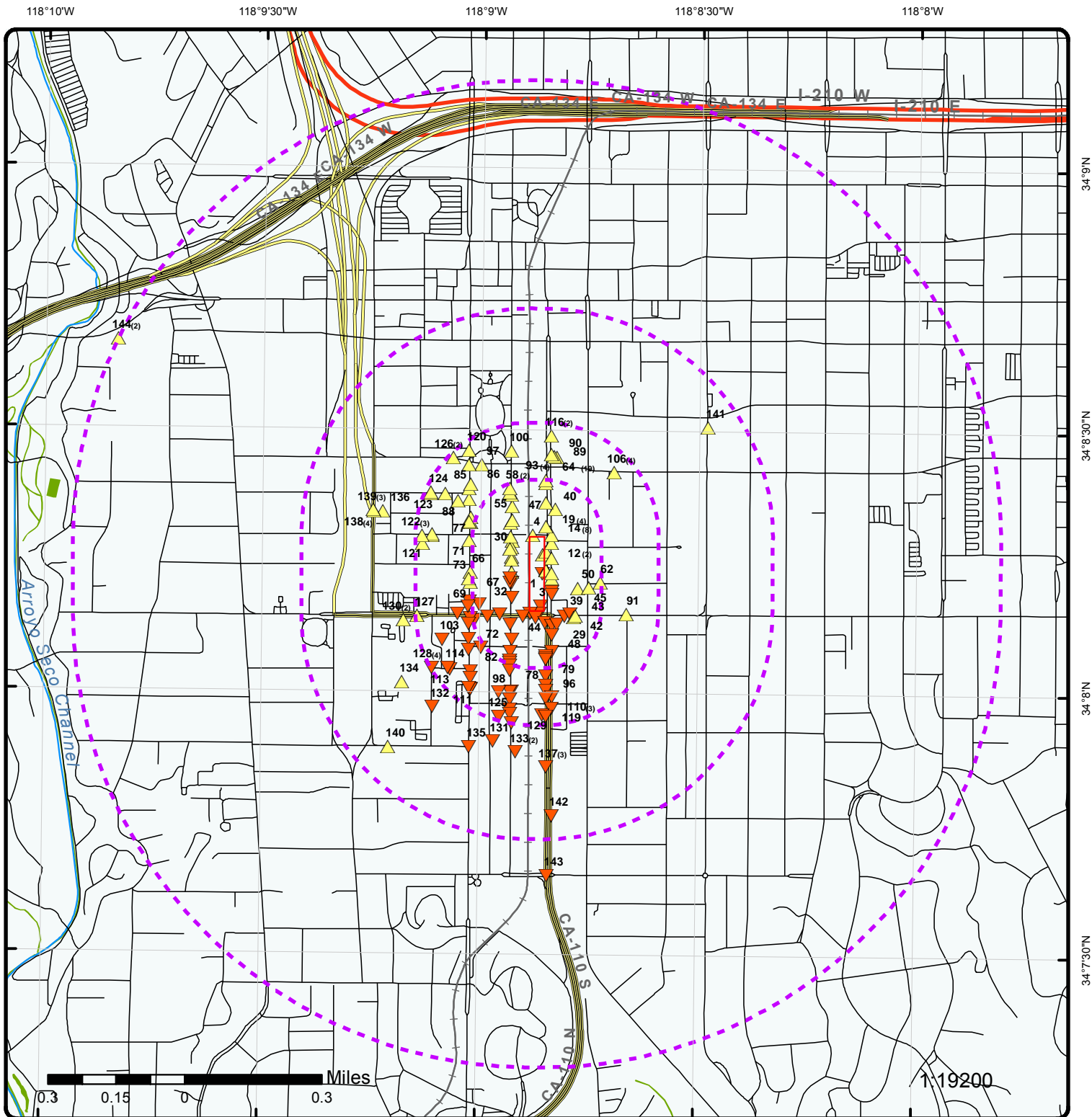
County

LA SML - Los Angeles County - Site Mitigation List

A search of the LA SML database, dated Jan 9, 2019 has found that there are 3 LA SML site(s) within approximately 0.50 miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
MONITOR POLISHING & PLATING	390 S PASADENA AVE PASADENA CA 91105	WNW	0.35 / 1,822.21	138

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
100 E CALIFORNIA	100 E CALIFORNIA BLVD PASADENA CA 91105	SSW	0.02 / 98.23	18
RAYMOND AVENUE PROPERTY	707 S RAYMOND AVE PASADENA CA 91105	SSW	0.18 / 968.18	94



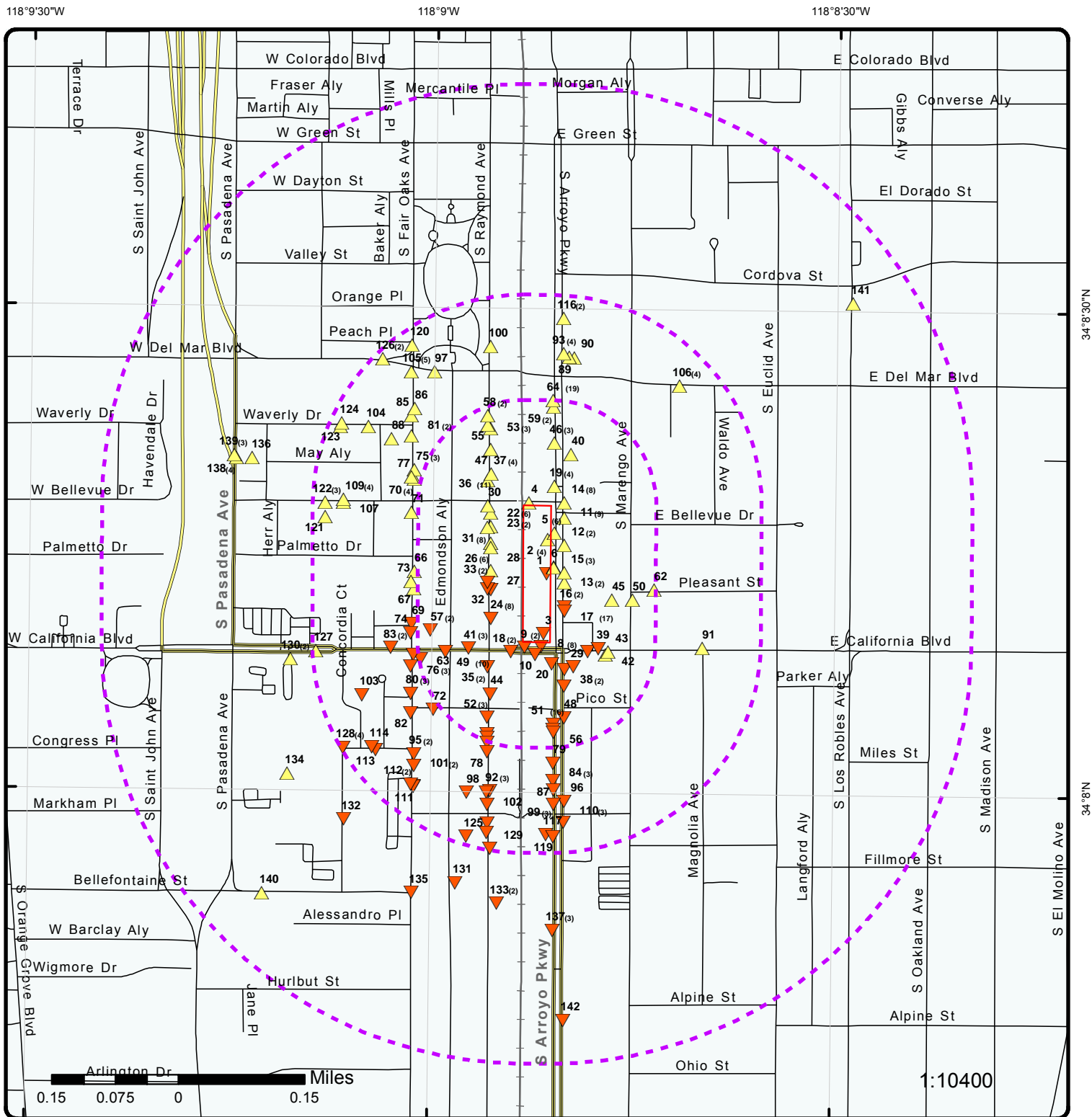
Map : 1 Mile Radius

Order No: 20190215102

Address: 465, Pasadena, CA, 91105



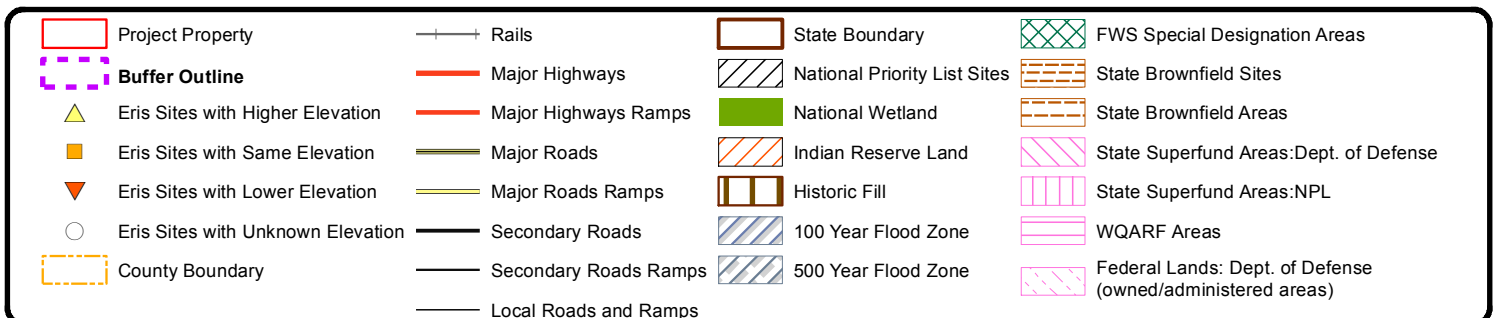
Project Property	Rails	State Boundary	FWS Special Designation Areas
Buffer Outline	Major Highways	National Priority List Sites	State Brownfield Sites
Eris Sites with Higher Elevation	Major Highways Ramps	National Wetland	State Brownfield Areas
Eris Sites with Same Elevation	Major Roads	Indian Reserve Land	State Superfund Areas:Dept. of Defense
Eris Sites with Lower Elevation	Major Roads Ramps	Historic Fill	State Superfund Areas:NPL
Eris Sites with Unknown Elevation	Secondary Roads	100 Year Flood Zone	WQARF Areas
County Boundary	Secondary Roads Ramps	500 Year Flood Zone	Federal Lands: Dept. of Defense (owned/administered areas)
	Local Roads and Ramps		

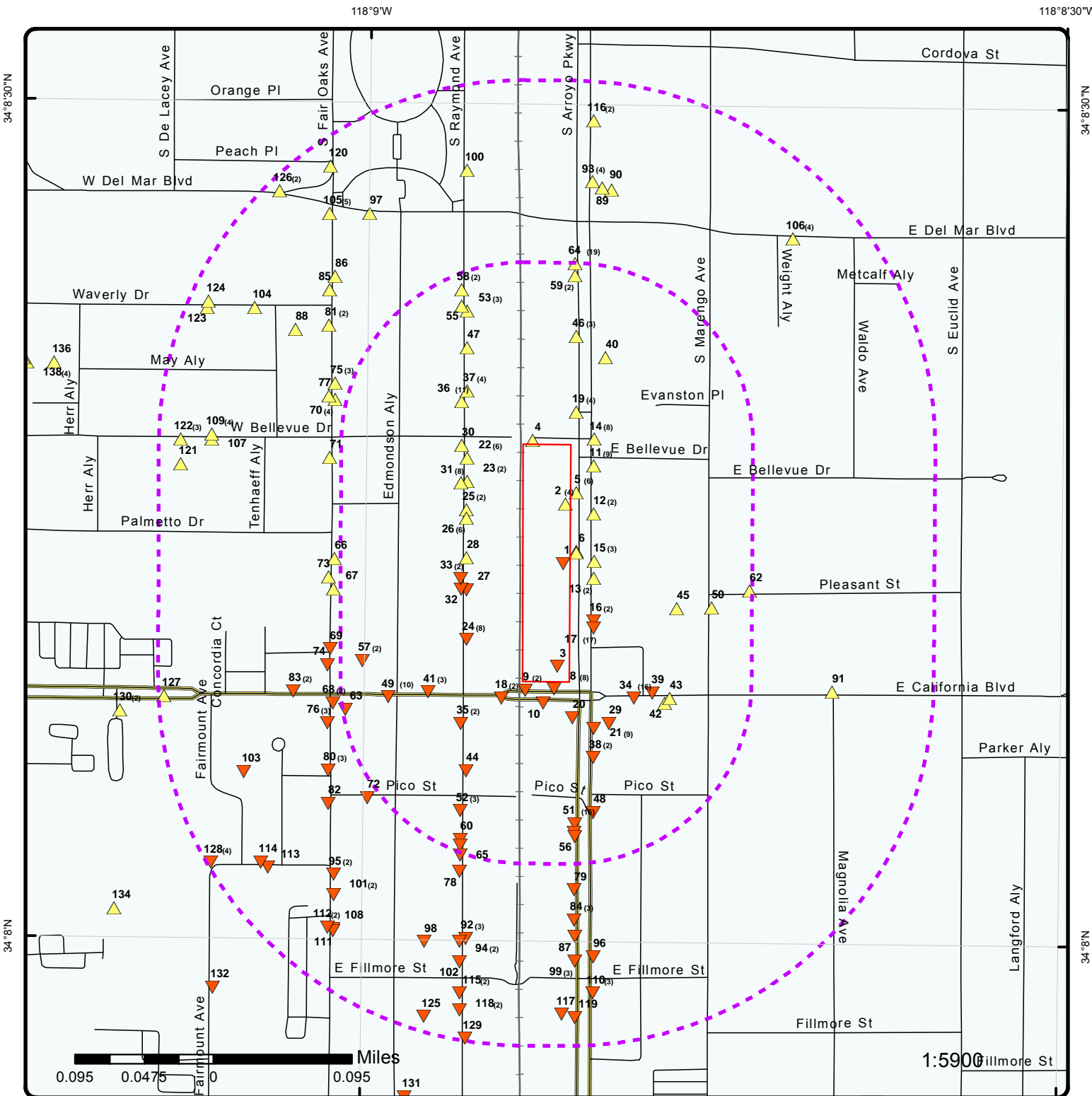


Map : 0.5 Mile Radius

Order No: 20190215102

Address: 465, Pasadena, CA, 91105

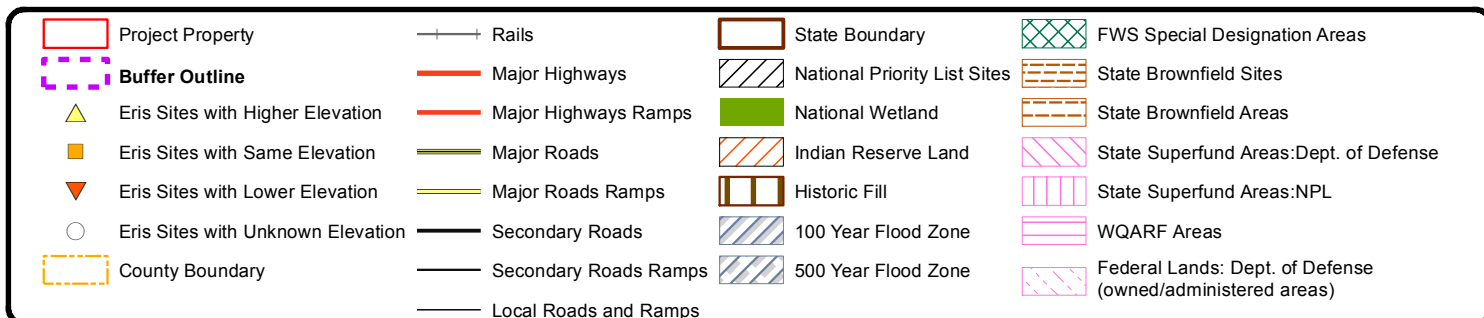




Map : 0.25 Mile Radius

Order No: 20190215102

Address: 465, Pasadena, CA, 91105



118°9'W

34°8'30"N

34°8'30"N

34°8'N

34°8'N

0.07 0.035 0 0.07 Miles

1:5000

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

Aerial (2017)

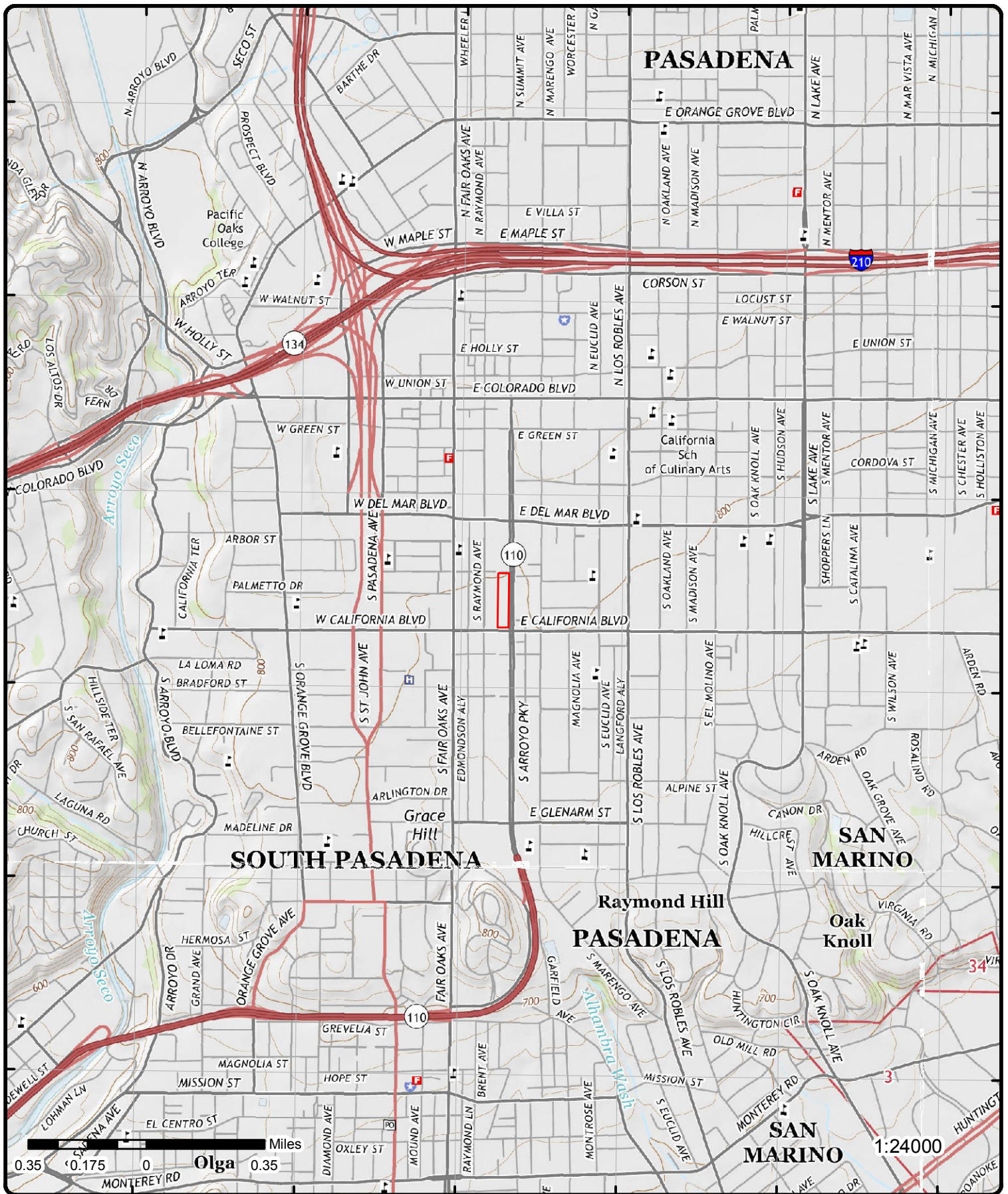
Address: 465, Pasadena, CA, 91105

Source: ESRI World Imagery

Order No: 20190215102



© ERIS Information Inc.



Topographic Map (2015)

Address: 465, Pasadena, CA, 91105

Quadrangle(s): Pasadena, CA; Mount Wilson, CA; Los Angeles, CA; El Monte, CA;

Source: USGS Topographic Map

Order No: 20190215102



© ERIS Information Inc.

Detail Report

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
1	1 of 1	-	0.00 / 0.00	793.45 / 0	ABSOLUTE AUTOMOTIVE SERVICE INC 451 & 491 S ARROYO PKWY PASADENA CA 911050000	HAZNET
SIC Code: 7538				Mailing City:	PASADENA	
NAICS Code: 811111				Mailing State:	CA	
EPA ID: CAL000216482				Mailing Zip:	911010000	
Create Date: 4/27/2000				Region Code:	3	
Fac Act Ind: No				Owner Name:	ABSOLUTE AUTOMOTIVE SERVC INC	
Inact Date: 6/30/2006				Owner Addr 1:	451 S ARROYO	
County Code: 19				Owner Addr 2:		
County Name: Los Angeles				Owner City:	PASADENA	
Mail Name:				Owner State:	CA	
Mailing Addr 1: 525 CORDOVA ST				Owner Zip:	911050000	
Mailing Addr 2:				Owner Phone:	6264409777	
Owner Fax:						
Contact Information						
--				--		
Contact Name:		SEAN SAMARASEKARA OFFICE MGR				
Street Address 1:		525 CORDOVA STREET				
Street Address 2:						
City:		PASADENA				
State:		CA				
Zip:		911010000				
Phone:		6265290330				
--				--		
2	1 of 4	-	0.00 / 0.00	796.50 / 3	WHOLE FOODS #37 465 S ARROYO PKWY PASADENA CA 91105	CERS HAZ
Site ID:		171687				
Latitude:		34.137556				
Longitude:		-118.147484				
Regulated Programs						
EI ID:		10304692		EI Description:		Hazardous Waste Generator
EI ID:		10304692		EI Description:		Chemical Storage Facilities
Violations						
Violation Date:		12/11/2015				
Violation Division:		Pasadena Fire Department				
Violation Program:		HMRRP				
Violation Source:		CERS				
Citation:		HSC 6.95 25508.1(a)-(e) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(e)				
Violation Notes:						

Returned to compliance on 03/18/2016.; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Failure to electronically update business plan within 30 days of any one of the following events:
 A 100 percent or more increase in the quantity of a previously disclosed material.
 Any handling of a previously undisclosed hazardous materials at or above reportable quantities.
 A change of business address, business ownership, or business name.

Violations

Violation Date: 12/11/2015
Violation Division: Pasadena Fire Department
Violation Program: HMRRP
Violation Source: CERS
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Notes:

Returned to compliance on 03/18/2016.; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.

Violations

Violation Date: 12/11/2015
Violation Division: Pasadena Fire Department
Violation Program: HMRRP
Violation Source: CERS
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Notes:

Returned to compliance on 03/18/2016.; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to complete and electronically submit a site map with all required content.

Evaluations

Eval Date: 12/11/2015
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Pasadena Fire Department
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 9/15/2015
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS
Eval Notes:

Ashley Kettle; Note: data in [EVAL Notes] field for some records is truncated from the source.

Affiliations

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Affil Type Desc: Entity Name: Entity Title: Address: City: State: Country: Zip Code: Phone:					Parent Corporation Ms. Gooch's Natural Food Markets Inc., DBA Whole Foods Market	
Affil Type Desc: Entity Name: Entity Title: Address: City: State: Country: Zip Code: Phone:					Legal Owner Mrs. Gooch's Natural Foods Markets, Inc. 207 Goode Ave. 7th Floor Glendale CA United States 91203 (818) 501-8484	
Affil Type Desc: Entity Name: Entity Title: Address: City: State: Country: Zip Code: Phone:					CUPA District Los Angeles County Fire 5825 Rickenbacker Road Commerce CA 90040-3027 (323) 890-4045	
Affil Type Desc: Entity Name: Entity Title: Address: City: State: Country: Zip Code: Phone:					Property Owner Marc Ittah Trust 9538 Brighton Way Ste # 314 Beverly Hills CA United States 90210 (310) 278-0470	
Affil Type Desc: Entity Name: Entity Title: Address: City: State: Country: Zip Code: Phone:					Document Preparer Hartman King PC	
Affil Type Desc: Entity Name: Entity Title: Address: City: State: Country: Zip Code: Phone:					Operator Mrs. Gooch's Natural Food Markets, Inc.	
Affil Type Desc: Entity Name: Entity Title: Address: City: State: Country: Zip Code: Phone:					 (626) 204-2266	
Affil Type Desc: Entity Name: Entity Title: Address: City: State: Country: Zip Code:					Facility Mailing Address Mailing Address P.O. Box 684786 Austin TX 78768	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Phone:						
Affil Type Desc:		Environmental Contact				
Entity Name:		Debora Sanches				
Entity Title:						
Address:		207 Goode Ave 7th Floor				
City:		Glendale				
State:		CA				
Country:						
Zip Code:		91203				
Phone:		(510) 428-7078				
Affil Type Desc:		Identification Signer				
Entity Name:		Debora Sanches				
Entity Title:		Environmental Specialist				
Address:						
City:						
State:						
Country:						
Zip Code:						
Phone:						
Coordinates						
Env Int Type Code:		HWG		Longitude:		-118.147480
Program ID:		10304692		Coord Name:		
Latitude:		34.137560		Ref Point Type Desc:		Center of a facility or station.
2	2 of 4	-	0.00 / 0.00	796.50 / 3	WHOLE FOODS #37 465 S ARROYO PKWY PASADENA CA 91105	FINDS/FRS
Registry ID:		110064948491				
FIPS Code:						
Program Acronyms:		CA-ENVIROVIEW				
HUC Code:		18070105				
Site Type Name:		STATIONARY				
Location Description:						
Supplemental Location:						
Create Date:		10-OCT-2015 07:48:17				
Update Date:						
Interest Types:		STATE MASTER				
SIC Codes:		5411				
SIC Code Descriptions:		GROCERY STORES				
NAICS Codes:		424490				
NAICS Code Descriptions:		OTHER GROCERY AND RELATED PRODUCTS MERCHANT WHOLESALERS.				
Conveyor:		FRS-GEocode				
Federal Facility Code:						
Federal Agency Name:						
Tribal Land Code:						
Tribal Land Name:						
Congressional Dist No.:		29				
Census Block Code:		060374636024008				
EPA Region Code:		09				
County Name:		LOS ANGELES				
US/Mexico Border Ind:						
Latitude:		34.13761				
Longitude:		-118.147431				
Reference Point:		ENTRANCE POINT OF A FACILITY OR STATION				
Coord Collection Method:		ADDRESS MATCHING-HOUSE NUMBER				
Accuracy Value:		50				
Datum:		NAD83				
Source:						
Facility Detail Rprt URL:		http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110064948491				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
2	3 of 4	-	0.00 / 0.00	796.50 / 3	MRS GOOCH'S NATURAL FOODS MARKET INC DBA WHOLE FOODS MARKET ARR 37 465 S ARROYO PKWY PASADENA CA 91105	HAZNET
SIC Code:		5399,5411		Mailing City:		GLENDALE
NAICS Code:		45291		Mailing State:		CA
EPA ID:		CAL000401445		Mailing Zip:		912031364
Create Date:		10/20/2014		Region Code:		3
Fac Act Ind:		Yes		Owner Name:		MRS GOOCH'S NATURAL FOOD MARKET INC
Inact Date:				Owner Addr 1:		207 GOODE AVE
County Code:		19		Owner Addr 2:		7TH FLOOR
County Name:		Los Angeles		Owner City:		GLENDALE
Mail Name:				Owner State:		CA
Mailing Addr 1:		207 GOODE AVE		Owner Zip:		912031364
Mailing Addr 2:		7TH FLOOR		Owner Phone:		8185018484
Owner Fax:		8189907089				
Contact Information						
--						
Contact Name:		SP MAINTENANCE ATTN: PAULA CHAVEZ				
Street Address 1:		207 GOODE AVE,				
Street Address 2:		7TH FLOOR				
City:		GLENDALE				
State:		CA				
Zip:		91423				
Phone:		8185018484				
--						
--						
Tanner Information						
--						
Generator EPA ID:		CAL000401445				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAD008364432				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		122				
State Waste Code Desc.:		Alkaline solution without metals pH >= 12.5				
Method Code:		H141				
Method Description:		STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)				
Tons:		0.0005				
Year:		2014				
--						
Generator EPA ID:		CAL000401445				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAD008364432				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		141				
State Waste Code Desc.:		Off-specification, aged or surplus inorganics				
Method Code:		H141				
Method Description:		STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)				
Tons:		0.0005				
Year:		2014				
--						
Generator EPA ID:		CAL000401445				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAD008364432				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		214				
State Waste Code Desc.:		Unspecified solvent mixture				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Method Code:		H141				
Method Description:		STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)				
Tons:		0.0005				
Year:		2014				
--		--				
Generator EPA ID:		CAL000401445				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAD008364432				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		331				
State Waste Code Desc.:		Off-specification, aged or surplus organics				
Method Code:		H141				
Method Description:		STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)				
Tons:		0.037				
Year:		2014				
--		--				
Generator EPA ID:		CAL000401445				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAD008364432				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:						
State Waste Code Desc.:						
Method Code:		H141				
Method Description:		STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)				
Tons:		0.002				
Year:		2015				
--		--				
Generator EPA ID:		CAL000401445				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAD008364432				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		122				
State Waste Code Desc.:		Alkaline solution without metals pH >= 12.5				
Method Code:		H141				
Method Description:		STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)				
Tons:		0.002				
Year:		2015				
--		--				
Generator EPA ID:		CAL000401445				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAD008364432				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		181				
State Waste Code Desc.:		Other inorganic solid waste				
Method Code:		H141				
Method Description:		STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)				
Tons:		0.001				
Year:		2015				
--		--				
Generator EPA ID:		CAL000401445				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAD008364432				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		214				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
State Waste Code Desc.:		Unspecified solvent mixture				
Method Code:		H141				
Method Description:		STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)				
Tons:		0.007				
Year:		2015				
--		--				
Generator EPA ID:		CAL000401445				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAD008364432				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		331				
State Waste Code Desc.:		Off-specification, aged or surplus organics				
Method Code:		H141				
Method Description:		STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)				
Tons:		0.8085				
Year:		2015				
--		--				

2	4 of 4	-	0.00 / 0.00	796.50 / 3	MRS GOOCH'S NATURAL FOODS MARKET INC DBA WHOLE FOODS MARKET ARR 37 465 S ARROYO PKWY PASADENA CA 91105	RCRA NON GEN
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EPA Handler ID: CAL000401445
Gen Status Universe: No Report
Contact Name: SP MAINTENANCE ATTN: PAULA CHAVEZ
Contact Address: 207 GOODE AVE, , 7TH FLOOR , GLENDALE , CA, 91423 ,
Contact Phone No and Ext: 818-501-8484
Contact Email: SPALLMAINTENANCE@WHOLEFOODS.COM
Contact Country:
County Name: LOS ANGELES
EPA Region: 09
Land Type:
Receive Date: 20141020

Violation/Evaluation Summary

Note: NO RECORDS: As of Dec 2018, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: Yes
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Sequence No: 1 Receive Date: 20141020 Handler Name: MRS GOOCH'S NATURAL FOODS MARKET INC DBA WHOLE FOODS MARKET ARR 37 Generator Status Universe: No Report Source Type: Implementer						
Owner/Operator Details						
Owner/Operator Ind: Current Operator Type: Other Name: SP MAINTENANCE ATTN: PAULA CHAVEZ Date Became Current: Date Ended Current: Phone: 818-501-8484 Source Type: Implementer						
Street No: Street 1: 207 GOODE AVE, Street 2: 7TH FLOOR City: GLENDALE State: CA Country: Zip Code: 91423						
Owner/Operator Ind: Current Owner Type: Other Name: MRS GOOCH'S NATURAL FOOD MARKET INC Date Became Current: Date Ended Current: Phone: 818-501-8484 Source Type: Implementer						
Street No: Street 1: 207 GOODE AVE Street 2: 7TH FLOOR City: GLENDALE State: CA Country: Zip Code: 91203-1364						
3	1 of 1	-	0.00 / 0.00	786.68 / -7	DONA ROSA BAKERY AND TAQUERIA 577 S ARROYO PKWY PASADENA CA 91105	FINDS/FRS
Registry ID: 110065871587 FIPS Code: Program Acronyms: CA-ENVIROVIEW HUC Code: 18070105 Site Type Name: STATIONARY Location Description: Supplemental Location: Create Date: 13-OCT-2015 15:50:49 Update Date: Interest Types: STATE MASTER SIC Codes: SIC Code Descriptions: NAICS Codes: NAICS Code Descriptions: Conveyor: FRS-GEOCODE Federal Facility Code: Federal Agency Name: Tribal Land Code: Tribal Land Name: Congressional Dist No.: 29 Census Block Code: 060374636024008 EPA Region Code: 09 County Name: LOS ANGELES US/Mexico Border Ind: Latitude: 34.13609 Longitude: -118.14769 Reference Point: CENTER OF A FACILITY OR STATION Coord Collection Method: ADDRESS MATCHING-HOUSE NUMBER Accuracy Value: 30 Datum: NAD83 Source: Facility Detail Rprt URL: http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110065871587						
4	1 of 1	N	0.00 / 15.46	801.25 / 8	BUILDERS PLUS 112 E BELLVUE DR	HAZNET

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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PASADENA CA 911050000

SIC Code:		Mailing City:	WALNUT
NAICS Code:		Mailing State:	CA
EPA ID:	CAC002347335	Mailing Zip:	917890000
Create Date:	4/3/2001	Region Code:	3
Fac Act Ind:	No	Owner Name:	BUILDERS PLUS
Inact Date:	1/11/2002	Owner Addr 1:	340 PASEO TESORO
County Code:	19	Owner Addr 2:	
County Name:	Los Angeles	Owner City:	WALNUT
Mail Name:		Owner State:	CA
Mailing Addr 1:	340 PASEO TESORO	Owner Zip:	917890000
Mailing Addr 2:		Owner Phone:	8183914876
Owner Fax:			

Contact Information

--	--
Contact Name:	DAN WADE
Street Address 1:	340 PASEO TESORO
Street Address 2:	
City:	WALNUT
State:	CA
Zip:	917890000
Phone:	8183914876
--	--

<u>5</u>	1 of 6	NNE	0.00 / 21.77	796.87 / 3	455 S ARROYO PKWY PASADENA CA 91105	LA HMS
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Site No:	011730
Area:	3J

--Details--

File No:	011791
File Name:	DISCOUNT TIRE CENTER
Status Code:	REM
Status Desc:	Equipment Removed
Permit No:	
Permit Category:	
Permit Category Desc:	
Permit Status Code:	
Permit Status Desc:	
Permit Type:	
Permit Type Desc:	

<u>5</u>	2 of 6	NNE	0.00 / 21.77	796.87 / 3	DISCOUNT TIRE CENTERS #022 455 S Arroyo Pkwy Pasadena CA 911052529	HAZNET
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SIC Code:	7538	Mailing City:	HUNTINGTON BEACH
NAICS Code:	811111	Mailing State:	CA
EPA ID:	CAL913534167	Mailing Zip:	926490000
Create Date:	12/19/1991	Region Code:	3
Fac Act Ind:	No	Owner Name:	AKH CO, INC
Inact Date:	3/23/2005	Owner Addr 1:	15412 ELECTRONIC LN STE 202
County Code:	19	Owner Addr 2:	
County Name:	Los Angeles	Owner City:	HUNTINGTON BEACH
Mail Name:		Owner State:	CA
Mailing Addr 1:	15412 ELECTRONIC LN STE 202	Owner Zip:	926491334
Mailing Addr 2:		Owner Phone:	7148619024
Owner Fax:			

Contact Information

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
--		--				
Contact Name:		TOM RECUPERO				
Street Address 1:		15412 ELECTRONIC LN STE 202				
Street Address 2:						
City:		HUNTINGTON BEACH				
State:		CA				
Zip:		926491334				
Phone:		7148619024				
--		--				
Tanner Information		--				
--		--				
Generator EPA ID:		CAL913534167				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAD044429835				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		221				
State Waste Code Desc.:		Waste oil and mixed oil				
Method Code:		T01				
Method Description:		Treatment, tank				
Tons:		0.912				
Year:		1996				
--		--				
Generator EPA ID:		CAL913534167				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAD981696420				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		134				
State Waste Code Desc.:		Aqueous solution with total organic residues less than 10 percent				
Method Code:		H01				
Method Description:		Transfer station				
Tons:		0.231				
Year:		1996				
--		--				
Generator EPA ID:		CAL913534167				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAD981696420				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		134				
State Waste Code Desc.:		Aqueous solution with total organic residues less than 10 percent				
Method Code:		H01				
Method Description:		Transfer station				
Tons:		0.231				
Year:		1998				
--		--				
Generator EPA ID:		CAL913534167				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAT080013352				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		133				
State Waste Code Desc.:		Aqueous solution with total organic residues 10 percent or more				
Method Code:		R01				
Method Description:		Recycler				
Tons:		0.4586				
Year:		1998				
--		--				
Generator EPA ID:		CAL913534167				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAT080013352				
TSD County Code:		19				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
TSD County:		Los Angeles				
State Waste Code:		133				
State Waste Code Desc.:		Aqueous solution with total organic residues 10 percent or more				
Method Code:		R01				
Method Description:		Recycler				
Tons:		1.0006				
Year:		1999				
--		--				
5	3 of 6	NNE	0.00 / 21.77	796.87 / 3	DISCOUNT TIRE CTR #94 455 S ARROYO PKWY PASADENA CA 911052529	HAZNET
SIC Code:				Mailing City:	PASADENA	
NAICS Code:				Mailing State:	CA	
EPA ID:	CAD982353815			Mailing Zip:	911050000	
Create Date:	6/17/1988			Region Code:	3	
Fac Act Ind:	No			Owner Name:	--	
Inact Date:	6/30/2001			Owner Addr 1:	--	
County Code:	19			Owner Addr 2:	--	
County Name:	Los Angeles			Owner City:	--	
Mail Name:				Owner State:	99	
Mailing Addr 1:	455 S ARROYO PKWY			Owner Zip:	--	
Mailing Addr 2:				Owner Phone:	0000000000	
Owner Fax:						
Contact Information						
--		--				
Contact Name:	INACTIVE PER SURVEY NOV 1994					
Street Address 1:	--					
Street Address 2:	--					
City:	--					
State:	99					
Zip:	--					
Phone:	--					
--		--				
--		--				
Tanner Information						
--		--				
Generator EPA ID:	CAD982353815					
Generator County Code:	19					
Generator County:	Los Angeles					
TSD EPA ID:	CAT000613893					
TSD County Code:	19					
TSD County:	Los Angeles					
State Waste Code:	214					
State Waste Code Desc.:	Unspecified solvent mixture					
Method Code:	H01					
Method Description:	Transfer station					
Tons:	0.0144					
Year:	1998					
--		--				
Generator EPA ID:	CAD982353815					
Generator County Code:	19					
Generator County:	Los Angeles					
TSD EPA ID:	CAT000613893					
TSD County Code:	19					
TSD County:	Los Angeles					
State Waste Code:	134					
State Waste Code Desc.:	Aqueous solution with total organic residues less than 10 percent					
Method Code:	H01					
Method Description:	Transfer station					
Tons:	0.1806					
Year:	1999					
--		--				
Generator EPA ID:	CAD982353815					
Generator County Code:	19					
Generator County:	Los Angeles					

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
TSD EPA ID:		CAT000613893				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		134				
State Waste Code Desc.:		Aqueous solution with total organic residues less than 10 percent				
Method Code:		H01				
Method Description:		Transfer station				
Tons:		0.084				
Year:		2000				
--		--				
Generator EPA ID:		CAD982353815				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAT000613893				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		134				
State Waste Code Desc.:		Aqueous solution with total organic residues less than 10 percent				
Method Code:		H01				
Method Description:		Transfer station				
Tons:		0.1092				
Year:		2001				
--		--				
Generator EPA ID:		CAD982353815				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAT000613893				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		134				
State Waste Code Desc.:		Aqueous solution with total organic residues less than 10 percent				
Method Code:		H01				
Method Description:		Transfer station				
Tons:		0.1386				
Year:		2002				
--		--				
Generator EPA ID:		CAD982353815				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAT000613893				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		134				
State Waste Code Desc.:		Aqueous solution with total organic residues less than 10 percent				
Method Code:		H01				
Method Description:		Transfer station				
Tons:		0.084				
Year:		2003				
--		--				
Generator EPA ID:		CAD982353815				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAT000613893				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		134				
State Waste Code Desc.:		Aqueous solution with total organic residues less than 10 percent				
Method Code:		H01				
Method Description:		Transfer station				
Tons:		0.1428				
Year:		2004				
--		--				
Generator EPA ID:		CAD982353815				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAT000613893				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		134				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
State Waste Code Desc.:		Aqueous solution with total organic residues less than 10 percent				
Method Code:		H01				
Method Description:		Transfer station				
Tons:		0.063				
Year:		2005				
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5	4 of 6	NNE	0.00 / 21.77	796.87 / 3	BELLEVUE VENTURES LLC 455 S ARROYO PKWY PASADENA CA 911052529	HAZNET
SIC Code:				Mailing City:	LOS ANGELES	
NAICS Code:				Mailing State:	CA	
EPA ID:		CAC002613054	Mailing Zip:		900245515	
Create Date:		2/6/2007	Region Code:		3	
Fac Act Ind:		No	Owner Name:		BELLEVUE VENTURES LLC	
Inact Date:		8/6/2007	Owner Addr 1:		1556 VETERAN AVE	
County Code:		19	Owner Addr 2:			
County Name:		Los Angeles	Owner City:		LOS ANGELES	
Mail Name:			Owner State:		CA	
Mailing Addr 1:		1556 VETERAN AVE	Owner Zip:		900245515	
Mailing Addr 2:			Owner Phone:		3102314866	
Owner Fax:						
Contact Information						
--		--				
Contact Name:		GORDON K EKSTRAN/MGR OF MEMBERS				
Street Address 1:		1556 VETERAN AVE				
Street Address 2:						
City:		LOS ANGELES				
State:		CA				
Zip:		900245515				
Phone:		3102314866				
--		--				
--		--				
Tanner Information						
--		--				
Generator EPA ID:		CAC002613054				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAD028409019				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		352				
State Waste Code Desc.:		Other organic solids				
Method Code:		H141				
Method Description:		STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)				
Tons:		0.75				
Year:		2007				
--		--				
Generator EPA ID:		CAC002613054				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAT080013352				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		135				
State Waste Code Desc.:		Unspecified aqueous solution				
Method Code:		H135				
Method Description:		DISCHARGE TO SEWER/POTW OR NPDES(WITH PRIOR STORAGE--WITH OR WITHOUT TREATMENT)				
Tons:		31.92				
Year:		2007				
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5	5 of 6	NNE	0.00 / 21.77	796.87 / 3	PRO AUTO CTR 455 S ARROYO PKWY	HAZNET

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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PASADENA CA 911050000

SIC Code:		Mailing City:	PASADENA
NAICS Code:		Mailing State:	CA
EPA ID:	CAL000080253	Mailing Zip:	911050000
Create Date:	5/7/1992	Region Code:	3
Fac Act Ind:	No	Owner Name:	FOTO J A
Inact Date:	6/30/1996	Owner Addr 1:	--
County Code:	19	Owner Addr 2:	--
County Name:	Los Angeles	Owner City:	--
Mail Name:		Owner State:	99
Mailing Addr 1:	455 S ARROYO PKWY	Owner Zip:	--
Mailing Addr 2:		Owner Phone:	0000000000
Owner Fax:			

Contact Information

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Contact Name:	UNDELIVERABLE 1996 FEES FORM
Street Address 1:	--
Street Address 2:	--
City:	--
State:	99
Zip:	--
Phone:	--
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<u>5</u>	6 of 6	NNE	0.00 / 21.77	796.87 / 3	BELVIEW CENTER 455 S ARROYO PKWY PASADENA CA 91105	HAZNET
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SIC Code:		Mailing City:	LOS ANGELES
NAICS Code:		Mailing State:	CA
EPA ID:	CAC002599872	Mailing Zip:	90024
Create Date:	1/30/2006	Region Code:	3
Fac Act Ind:	No	Owner Name:	GORDON EKSTRAND
Inact Date:	7/30/2006	Owner Addr 1:	1556 VETERAN AVE
County Code:	19	Owner Addr 2:	--
County Name:	Los Angeles	Owner City:	LOS ANGELES
Mail Name:		Owner State:	CA
Mailing Addr 1:	1556 VETERAN AVE	Owner Zip:	90024
Mailing Addr 2:		Owner Phone:	3102314866
Owner Fax:			

Contact Information

--	--
Contact Name:	GORDON EKSTRAND
Street Address 1:	1556 VETERAN AVE
Street Address 2:	--
City:	LOS ANGELES
State:	CA
Zip:	90024
Phone:	3102314866
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Tanner Information

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Generator EPA ID:	CAC002599872
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	CAD008364432
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	214
State Waste Code Desc.:	Unspecified solvent mixture
Method Code:	H01
Method Description:	Transfer station
Tons:	0.8628

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Year:		2006				
--		--				
Generator EPA ID:		CAC002599872				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAD982444481				
TSD County Code:		36				
TSD County:		San Bernardino				
State Waste Code:		134				
State Waste Code Desc.:		Aqueous solution with total organic residues less than 10 percent				
Method Code:		R01				
Method Description:		Recycler				
Tons:		1.26				
Year:		2006				
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Generator EPA ID:		CAC002599872				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAT080033681				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		221				
State Waste Code Desc.:		Waste oil and mixed oil				
Method Code:		R01				
Method Description:		Recycler				
Tons:		0.494				
Year:		2006				
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6	1 of 1	ENE	0.00 / 22.67	794.19 / 1	CROWELL & LYONS EQUIP INC 495 SO ARROYO PARKWAY PASADENA CA 911050000	HAZNET
SIC Code:				Mailing City:	PASADENA	
NAICS Code:				Mailing State:	CA	
EPA ID:	CAD980665889			Mailing Zip:	911050000	
Create Date:	4/12/1985			Region Code:	3	
Fac Act Ind:	No			Owner Name:	JOHN K CROWELL, PRES	
Inact Date:	6/30/1996			Owner Addr 1:	495 SO ARROYO PARKWAY	
County Code:	19			Owner Addr 2:		
County Name:	Los Angeles			Owner City:	PASADENA	
Mail Name:				Owner State:	CA	
Mailing Addr 1:	495 SO ARROYO PARKWAY			Owner Zip:	911050000	
Mailing Addr 2:				Owner Phone:	8187923153	
Owner Fax:						
Contact Information						
--		--				
Contact Name:		--				
Street Address 1:	495 SO ARROYO PARKWAY					
Street Address 2:						
City:	PASADENA					
State:	CA					
Zip:	911050000					
Phone:	8187923153					
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7	1 of 2	ENE	0.00 / 22.69	794.19 / 1	CROWELL & LYONS EQUIPMENT INC 495 A ARROYO PKWY PASADENA CA 91105	FINDS/FRS
Registry ID:	110002670119					
FIPS Code:	06037					
Program Acronyms:	RCRAINFO					
HUC Code:	18070105					
Site Type Name:	STATIONARY					

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Location Description: Supplemental Location: Create Date: 01-MAR-2000 00:00:00 Update Date: 29-DEC-2014 08:56:27 Interest Types: TRANSPORTER SIC Codes: SIC Code Descriptions: NAICS Codes: NAICS Code Descriptions: Conveyor: FRS-GEOCODE Federal Facility Code: Federal Agency Name: Tribal Land Code: Tribal Land Name: Congressional Dist No.: 29 Census Block Code: 060374636024008 EPA Region Code: 09 County Name: LOS ANGELES US/Mexico Border Ind: Latitude: 34.136935 Longitude: -118.147435 Reference Point: ENTRANCE POINT OF A FACILITY OR STATION Coord Collection Method: ADDRESS MATCHING-HOUSE NUMBER Accuracy Value: 50 Datum: NAD83 Source: Facility Detail Rprt URL: http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110002670119						

7	2 of 2	ENE	0.00 / 22.69	794.19 / 1	CROWELL & LYONS EQUIPMENT INC 495 A ARROYO PKWY PASADENA CA 91105	RCRA NON GEN
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EPA Handler ID:	CAD980665889
Gen Status Universe:	No Report
Contact Name:	ENVIRONMENTAL MANAGER
Contact Address:	495 A ARROYO PKWY , , PASADENA , CA, 91105 , US
Contact Phone No and Ext:	213-792-7186
Contact Email:	
Contact Country:	US
County Name:	LOS ANGELES
EPA Region:	09
Land Type:	Other
Receive Date:	19820115

Violation/Evaluation Summary

Note: NO VIOLATIONS: All of the compliance records associated with this facility (EPA ID) indicate NO VIOLATIONS; Compliance Monitoring and Enforcement table dated Dec, 2018.

Evaluation Details

Evaluation Start Date:	19850321
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Violation Short Description:	
Return to Compliance Date:	
Evaluation Agency:	State

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	Yes
Transfer Facility:	No

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<hr/>						
Onsite Burner Exemption:	No					
Furnace Exemption:	No					
Underground Injection Activity:	No					
Commercial TSD:	No					
Used Oil Transporter:	No					
Used Oil Transfer Facility:	No					
Used Oil Processor:	No					
Used Oil Refiner:	No					
Used Oil Burner:	No					
Used Oil Market Burner:	No					
Used Oil Spec Marketer:	No					

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 19820115
Handler Name: CROWELL & LYONS EQUIPMENT INC
Generator Status Universe: No Report
Source Type: Notification

Owner/Operator Details

Owner/Operator Ind:	Current Operator	Street No:	
Type:	Private	Street 1:	NOT REQUIRED
Name:	NOT REQUIRED	Street 2:	
Date Became Current:		City:	NOT REQUIRED
Date Ended Current:		State:	ME
Phone:	415-555-1212	Country:	
Source Type:	Notification	Zip Code:	99999

Owner/Operator Ind:	Current Owner	Street No:	
Type:	Private	Street 1:	NOT REQUIRED
Name:	NOT REQUIRED	Street 2:	
Date Became Current:		City:	NOT REQUIRED
Date Ended Current:		State:	ME
Phone:	415-555-1212	Country:	
Source Type:	Notification	Zip Code:	99999

8	1 of 8	S	0.00 / 26.04	785.16 / -8	ARCO #0510 125 CALIFORNIA BLVD E PASADENA CA 91105	FINDS/FRS
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Registry ID: 110065113433
FIPS Code:
Program Acronyms: CA-ENVIROVIEW
HUC Code: 18070105
Site Type Name: STATIONARY
Location Description:
Supplemental Location:
Create Date: 10-OCT-2015 09:15:10
Update Date:
Interest Types: STATE MASTER
SIC Codes:
SIC Code Descriptions:
NAICS Codes:
NAICS Code Descriptions:
Conveyor: FRS-GEOCODE
Federal Facility Code:
Federal Agency Name:
Tribal Land Code:
Tribal Land Name:
Congressional Dist No.: 29
Census Block Code: 060374637002039
EPA Region Code: 09
County Name: LOS ANGELES
US/Mexico Border Ind:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Latitude:		34.13578				
Longitude:		-118.15294				
Reference Point:		ENTRANCE POINT OF A FACILITY OR STATION				
Coord Collection Method:		ADDRESS MATCHING-HOUSE NUMBER				
Accuracy Value:		50				
Datum:		NAD83				
Source:						
Facility Detail Rprt URL:		http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110065113433				

8	2 of 8	S	0.00 / 26.04	785.16 / -8	MILO PATTERSON 125 E CALIFORNIA PASADENA CA 91106	HHSS
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County: Los Angeles
Pdf File Url: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00026408.pdf

8	3 of 8	S	0.00 / 26.04	785.16 / -8	125 E CALIFORNIA PASADENA CA 911050000	HIST MANIFEST
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Gen EPA ID: CAL000016431
Create Date: 11/14/1989 0:00:00
Inact Date: 01/01/2002 0:00
Facility Mail Street: PO BOX 6038
Facility Mail City: ARTESIA
Facility Mail State: CA
Facility Mail Zip: 907026038
Contact Phone(s): 7146705366
File Year(s): 1989; 1990; 1992
Contact Name(s): CARLOS RODRIGUEZ/ENV COMPL ADM

Tanner Information

Method Description:
Tons: 0
Year: 1989
Generator County Code: 19
Generator County: Los Angeles
Method Code:
Tsd County Code: 0
Tsd County:
State Waste Code: 581
State Waste Code Desc: Gas scrubber waste
Tsd Epa ID: WAD009477175

Tanner Information

Method Description:
Tons: 0
Year: 1992
Generator County Code: 19
Generator County: Los Angeles
Method Code: 3
Tsd County Code: 16
Tsd County: Kings
State Waste Code: 611
State Waste Code Desc: Contaminated soil from site clean-up
Tsd Epa ID: CAT000646117

Tanner Information

Method Description:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Tons:		0				
Year:		1990				
Generator County Code:		19				
Generator County:		Los Angeles				
Method Code:						
Tsd County Code:		16				
Tsd County:		Kings				
State Waste Code:						
State Waste Code Desc:						
Tsd Epa ID:		CAT000646117				
<u>Tanner Information</u>						
Method Description:						
Tons:		0				
Year:		1992				
Generator County Code:		19				
Generator County:		Los Angeles				
Method Code:						
Tsd County Code:		19				
Tsd County:		Los Angeles				
State Waste Code:						
State Waste Code Desc:						
Tsd Epa ID:		CAT080013352				
<u>Tanner Information</u>						
Method Description:						
Tons:		0				
Year:		1992				
Generator County Code:		19				
Generator County:		Los Angeles				
Method Code:						
Tsd County Code:		16				
Tsd County:		Kings				
State Waste Code:						
State Waste Code Desc:						
Tsd Epa ID:		CAT000646117				
<u>Tanner Information</u>						
Method Description:						
Tons:		0.18				
Year:		1992				
Generator County Code:		19				
Generator County:		Los Angeles				
Method Code:		R01				
Tsd County Code:		19				
Tsd County:		Los Angeles				
State Waste Code:		134				
State Waste Code Desc:		Aqueous solution with total organic residues less than 10 percent				
Tsd Epa ID:		CAT080013352				
<u>Tanner Information</u>						
Method Description:						
Tons:		0				
Year:		1989				
Generator County Code:		19				
Generator County:		Los Angeles				
Method Code:						
Tsd County Code:		0				
Tsd County:						
State Waste Code:						

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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State Waste Code Desc:
Tsd Epa ID: WAD009477175

Tanner Information

Method Description:
Tons: 2.1
Year: 1990
Generator County Code: 19
Generator County: Los Angeles
Method Code:
Tsd County Code: 16
Tsd County: Kings
State Waste Code: 611
State Waste Code Desc: Contaminated soil from site clean-up
Tsd Epa ID: CAT000646117

8	4 of 8	S	0.00 / 26.04	785.16 / -8	125 E CALIFORNIA BLVD PASADENA CA 91115	LA HMS
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Site No: 011968
Area: 3J

--Details--

File No: 012046
File Name: ARCO PRODUCTS #00510
Status Code: REM
Status Desc: Equipment Removed
Permit No: 00003651T
Permit Category: T
Permit Category Desc: Underground Storage Tank
Permit Status Code: REM
Permit Status Desc: Equipment Removed
Permit Type: 0
Permit Type Desc: Underground Storage Tank Operating Permit

8	5 of 8	S	0.00 / 26.04	785.16 / -8	BP WEST COAST PRODUCTS LLC 00510 125 E CALIFORNIA AVE PASADENA CA 91105	HAZNET
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SIC Code: 5541	Mailing City: RCHO STA MARG
NAICS Code: 44711	Mailing State: CA
EPA ID: CAL000260696	Mailing Zip: 926880000
Create Date: 10/13/2002 10:00:58 PM	Region Code: 3
Fac Act Ind: No	Owner Name: BP WEST COAST PRODUCTS LLC
Inact Date: 6/30/2011	Owner Addr 1: PO BOX 6038
County Code: 19	Owner Addr 2:
County Name: Los Angeles	Owner City: ARTESIA
Mail Name:	Owner State: CA
Mailing Addr 1: PO BOX 80249	Owner Zip: 907020000
Mailing Addr 2:	Owner Phone: 5035246191
Owner Fax: 0000000000	

Contact Information

--
Contact Name: WASTE SPECIALIST
Street Address 1: PO BOX 6038
Street Address 2:
City: ARTESIA
State: CA
Zip: 907020000
Phone: 5035246191

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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8	6 of 8	S	0.00 / 26.04	785.16 / -8	PATTERSON'S ARCO 510 125 E CALIFORNIA AVE PASADENA CA 911050000	HAZNET
SIC Code:		Mailing City:		LOS ANGELES		
NAICS Code:		Mailing State:		CA		
EPA ID:		Mailing Zip:		900710000		
Create Date:		Region Code:		3		
Fac Act Ind:		Owner Name:		ATLANTIC RICHFIELD COMPANY		
Inact Date:		Owner Addr 1:		--		
County Code:		Owner Addr 2:		--		
County Name:		Owner City:		--		
Mail Name:		Owner State:		99		
Mailing Addr 1:		Owner Zip:		--		
Mailing Addr 2:		Owner Phone:		0000000000		
Owner Fax:						
Contact Information						
--		--				
Contact Name:		--				
Street Address 1:		INACT PER 98VQ FINAL NOTICE				
Street Address 2:		- BATCH 4/27				
City:		--				
State:		99				
Zip:		--				
Phone:		--				
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8	7 of 8	S	0.00 / 26.04	785.16 / -8	ARCO PRODUCTS COMPANY 125 E CALIFORNIA PASADENA CA 911050000	HAZNET
SIC Code:		Mailing City:		ARTESIA		
NAICS Code:		Mailing State:		CA		
EPA ID:		Mailing Zip:		907026038		
Create Date:		Region Code:		3		
Fac Act Ind:		Owner Name:		ATLANTIC RICHFIELD COMPANY		
Inact Date:		Owner Addr 1:		PO BOX 711508		
County Code:		Owner Addr 2:		--		
County Name:		Owner City:		LOS ANGELES		
Mail Name:		Owner State:		CA		
Mailing Addr 1:		Owner Zip:		900710000		
Mailing Addr 2:		Owner Phone:		2134860494		
Owner Fax:						
Contact Information						
--		--				
Contact Name:		CARLOS RODRIGUEZ/ENV COMPL ADM				
Street Address 1:		INACT PER LTR OWNER CHANGE/REORG				
Street Address 2:		- NJ				
City:		ARTESIA				
State:		CA				
Zip:		907026038				
Phone:		7146705366				
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Tanner Information						
--		--				
Generator EPA ID:		CAL000016431				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAT080013352				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		213				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
State Waste Code Desc.:		Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)				
Method Code:		R01				
Method Description:		Recycler				
Tons:		0.1042				
Year:		1993				
--		--				
Generator EPA ID:		CAL000016431				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAD028409019				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		223				
State Waste Code Desc.:		Unspecified oil-containing waste				
Method Code:						
Method Description:						
Tons:		0.0417				
Year:		1994				
--		--				
Generator EPA ID:		CAL000016431				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAT080013352				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		134				
State Waste Code Desc.:		Aqueous solution with total organic residues less than 10 percent				
Method Code:		R01				
Method Description:		Recycler				
Tons:		0.084				
Year:		1997				
--		--				
Generator EPA ID:		CAL000016431				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAT080013352				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		134				
State Waste Code Desc.:		Aqueous solution with total organic residues less than 10 percent				
Method Code:		R01				
Method Description:		Recycler				
Tons:		0.189				
Year:		1998				
--		--				
Generator EPA ID:		CAL000016431				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAT080013352				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		134				
State Waste Code Desc.:		Aqueous solution with total organic residues less than 10 percent				
Method Code:		R01				
Method Description:		Recycler				
Tons:		0.084				
Year:		1999				
--		--				
Generator EPA ID:		CAL000016431				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAT080013352				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		134				
State Waste Code Desc.:		Aqueous solution with total organic residues less than 10 percent				
Method Code:		R01				
Method Description:		Recycler				
Tons:		0.063				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Year: --		2000 --				
8	8 of 8	S	0.00 / 26.04	785.16 / -8	BP WEST COAST PRODUCTS LLC 00510 125 E CALIFORNIA AVE PASADENA CA 911050000	HAZNET
SIC Code: 5541				Mailing City:	ARTESIA	
NAICS Code: 44719				Mailing State:	CA	
EPA ID: CAL000226029				Mailing Zip:	907026038	
Create Date: 12/28/2001				Region Code:	3	
Fac Act Ind: No				Owner Name:	BP WEST COAST PRODUCTS LLC	
Inact Date: 6/30/2002				Owner Addr 1:	PO BOX 6038	
County Code: 19				Owner Addr 2:		
County Name: Los Angeles				Owner City:	ARTESIA	
Mail Name:				Owner State:	CA	
Mailing Addr 1: PO BOX 6038				Owner Zip:	907026038	
Mailing Addr 2:				Owner Phone:	0000000000	
Owner Fax:						
Contact Information						
--		--				
Contact Name:		CARLOS RODRIGUEZ				
Street Address 1:		PO BOX 6038				
Street Address 2:						
City:		ARTESIA				
State:		CA				
Zip:		907026038				
Phone:		7146705402				
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--		--				
Tanner Information						
--		--				
Generator EPA ID:		CAL000226029				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAT080013352				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		241				
State Waste Code Desc.:		Tank bottom waste				
Method Code:		R01				
Method Description:		Recycler				
Tons:		2.2935				
Year:		2002				
--		--				
9	1 of 2	S	0.01 / 32.98	784.24 / -9	ARCO FACILITY #510 125 E. CALIFORNIA AVE. Pasadena CA 91105	DELISTED TNK
Facility ID: 19-080-000042				Latitude:	34.13583	
County: Los Angeles				Longitude:	-118.14805	
Permitting Agency: PASADENA, CITY OF						
Original Source: UST						
Record Date: 30-JAN-2017						
9	2 of 2	S	0.01 / 32.98	784.24 / -9	MILO PATTERSON 125 E CALIFORNIA PASADENA CA CA	HIST TAN
Owner Name: ARCO PETROLEUM PRODUCTS CO.				No of Containers:	6	
Owner Street: 515 SOUTH FLOWER STREET				County:	LOS ANGELES	
Owner City: LOS ANGELES				Facility State:	CA	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Owner State:	CA	Facility Zip:	91106
Owner Zip:	90071		

10	1 of 1	S	0.01 / 78.20	783.49 / -10	ARCO #0510 125 CALIFORNIA BLVD E PASADENA CA 91105	LUST
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Global ID:	T0603702026	CUF Case:	NO
Case Type:	LUST Cleanup Site	Begin Date:	1988-10-10 00:00:00
Status:	Completed - Case Closed	How Discovered:	Other Means
Status Date:	2004-12-03 00:00:00	Stop Method:	
RB Case No:	911050025	County:	Los Angeles
LOC Case No:		Latitude:	34.1357057
Lead Agency:	LOS ANGELES RWQCB (REGION 4)	Longitude:	-118.1478324
Case Worker:	CET	File Location:	Regional Board
Local Agency:	PASADENA, CITY OF		
Potential Cont of Concern:	Gasoline		
Potential Media Affected:	Aquifer used for drinking water supply		
How Discovered Description:			
Stop Description:			
Cal Water Watershed Name:	Los Angeles River - Raymond - Pasadena (412.31)		
DWR Groundwater Subbasin:	Raymond (4-023)		
Site History:			

Status History

Status:	Completed - Case Closed	Status Date:	2004-12-03 00:00:00
Status:	Open - Site Assessment	Status Date:	2003-07-31 00:00:00
Status:	Open - Site Assessment	Status Date:	2003-05-29 00:00:00
Status:	Open - Site Assessment	Status Date:	2002-05-28 00:00:00
Status:	Open - Case Begin Date	Status Date:	1988-10-10 00:00:00

Activities

Action Type:	RESPONSE
Action:	Unknown
Date:	2005-03-11 00:00:00
Action Type:	ENFORCEMENT
Action:	Closure/No Further Action Letter
Date:	2004-12-03 00:00:00
Action Type:	ENFORCEMENT
Action:	Notification - Preclosure
Date:	2004-10-22 00:00:00
Action Type:	ENFORCEMENT
Action:	Site Visit / Inspection / Sampling
Date:	2004-10-19 00:00:00
Action Type:	RESPONSE
Action:	Monitoring Report - Quarterly
Date:	2004-10-15 00:00:00
Action Type:	RESPONSE
Action:	Monitoring Report - Quarterly
Date:	2004-07-15 00:00:00
Action Type:	RESPONSE
Action:	Monitoring Report - Quarterly

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Date:		2004-04-15 00:00:00				
Action Type:		RESPONSE				
Action:		Monitoring Report - Quarterly				
Date:		2004-01-15 00:00:00				
Action Type:		RESPONSE				
Action:		Soil and Water Investigation Report				
Date:		2003-12-17 00:00:00				
Action Type:		ENFORCEMENT				
Action:		Staff Letter				
Date:		2003-07-31 00:00:00				
Action Type:		RESPONSE				
Action:		Soil and Water Investigation Workplan				
Date:		2003-05-29 00:00:00				
Action Type:		RESPONSE				
Action:		Other Report / Document				
Date:		2003-05-19 00:00:00				
Action Type:		ENFORCEMENT				
Action:		Staff Letter				
Date:		2003-04-17 00:00:00				
Action Type:		REMEDIATION				
Action:		Soil Vapor Extraction (SVE)				
Date:		1988-11-01 00:00:00				
Action Type:		Other				
Action:		Leak Reported				
Date:		1988-10-12 00:00:00				
Action Type:		Other				
Action:		Leak Discovery				
Date:		1988-10-10 00:00:00				

Contacts

Contact Type:	Regional Board Caseworker	City:	R4 UNKNOWN
Contact Name:	CHANDRA TYLER	Email:	cetyler@waterboards.ca.gov
Organization Name:	LOS ANGELES RWQCB (REGION 4)	Phone No:	
Address:			
Contact Type:	Local Agency Caseworker	City:	Pasadena
Contact Name:	JAMES WECKERLE	Email:	jweckerle@ci.pasadena.ca.us
Organization Name:	PASADENA, CITY OF	Phone No:	6267444115
Address:	199 S Los Robles Ave		

11	1 of 9	NNE	0.02 / 84.23	797.71 / 4	HOME VAN VECHTEN THE 450 S ARROYO PKWY PASADENA CA 911052530	DRYCLEANERS
EPA ID:	CAD981994536			Owner Phone:	6267934187	
Create Date:	7/3/1987			Owner Fax:	0000000000	
Facility Act Ind:	No			Contact Name:	DEREK BEDELL	
Inact Date:	6/30/2015			Contact Street 1:	450 S ARROYO PKWY	
Reason:	SIC/NAICS			Contact Street 2:		
County Name:	Los Angeles			Contact City:	PASADENA	
Region Code:	3			Contact State:	CA	
Owner Name:	HOME VAN VECHTEN THE			Contact Zip:	911052530	
Owner Street 1:	450 S ARROYO PKWY			Contact Phone:	6267934187	
Owner Street 2:				Mail Name:		
Owner City:	PASADENA			DD Latitude:	0	
Owner State:	CA			DD Longitude:	0	
Owner Zip:	911052530					

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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--Details--

NAICS Code: 81232
Naics Desc: Drycleaning and Laundry Services (except Coin-Operated)
SIC Code: 7211
SIC Desc: Power Laundries, Family and Commercial

11	2 of 9	NNE	0.02 / 84.23	797.71 / 4	DEREK BEDELL ENT IN,THE HOME V 450 S ARROYO PKY PASADENA CA 91105	EMISSIONS
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1996 Criteria Data

Facility ID:	40103	CERR Code:	
Facility SIC Code:	7219	TOGT:	0
CO:	19	ROGT:	0
Air Basin:	SC	COT:	.1
District:	SC	NOXT:	.2
COID:	LA	SOXT:	
DISN:	SOUTH COAST AQMD	PMT:	0
CHAPIS:		PM10T:	0

1996 Toxic Data

Facility ID:	40103	COID:	LA
Facility SIC Code:	7219	DISN:	SOUTH COAST AQMD
CO:	19	CHAPIS:	
Air Basin:	SC	CERR Code:	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

1998 Toxic Data

Facility ID:	40103	COID:	LA
Facility SIC Code:	7219	DISN:	SOUTH COAST AQMD
CO:	19	CHAPIS:	
Air Basin:	SC	CERR Code:	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

1999 Toxic Data

Facility ID:	40103	COID:	LA
Facility SIC Code:	7219	DISN:	SOUTH COAST AQMD
CO:	19	CHAPIS:	
Air Basin:	SC	CERR Code:	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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2000 Toxic Data

Facility ID:	40103	COID:	LA
Facility SIC Code:	7219	DISN:	SOUTH COAST AQMD
CO:	19	CHAPIS:	
Air Basin:	SC	CERR Code:	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2001 Toxic Data

Facility ID:	40103	COID:	LA
Facility SIC Code:	7219	DISN:	SOUTH COAST AQMD
CO:	19	CHAPIS:	
Air Basin:	SC	CERR Code:	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

11	3 of 9	NNE	0.02 / 84.23	797.71 / 4	DEREK BEDELL ENT IN,THE HOME V 450 S ARROYO PKWY PASADENA CA 91105	EMISSIONS
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1993 Criteria Data

Facility ID:	40103	CERR Code:	
Facility SIC Code:	7219	TOGT:	2
CO:	19	ROGT:	0
Air Basin:	SC	COT:	
District:	SC	NOXT:	
COID:	LA	SOXT:	
DISN:	SOUTH COAST AQMD	PMT:	
CHAPIS:		PM10T:	

1993 Toxic Data

Facility ID:	40103	COID:	LA
Facility SIC Code:	7219	DISN:	SOUTH COAST AQMD
CO:	19	CHAPIS:	
Air Basin:	SC	CERR Code:	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

1995 Criteria Data

Facility ID:	40103	CERR Code:	
Facility SIC Code:	7219	TOGT:	2
CO:	19	ROGT:	0
Air Basin:	SC	COT:	
District:	SC	NOXT:	
COID:	LA	SOXT:	
DISN:	SOUTH COAST AQMD	PMT:	
CHAPIS:		PM10T:	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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1995 Toxic Data

Facility ID:	40103	COID:	LA
Facility SIC Code:	7219	DISN:	SOUTH COAST AQMD
CO:	19	CHAPIS:	
Air Basin:	SC	CERR Code:	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

11	4 of 9	NNE	0.02 / 84.23	797.71 / 4	THE HOME-VAN VECHTEN 450 S ARROYO PKY PASADENA CA 91105	EMISSIONS
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2002 Criteria Data

Facility ID:	40103	CERR Code:	
Facility SIC Code:	7219	TOGT:	.0106
CO:	19	ROGT:	.00447532
Air Basin:	SC	COT:	.0686
District:	SC	NOXT:	.0816
COID:	LA	SOXT:	.00049
DISN:	SOUTH COAST AQMD	PMT:	.0062
CHAPIS:		PM10T:	.0062

2002 Toxic Data

Facility ID:	40103	COID:	LA
Facility SIC Code:	7219	DISN:	SOUTH COAST AQMD
CO:	19	CHAPIS:	
Air Basin:	SC	CERR Code:	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2003 Criteria Data

Facility ID:	40103	CERR Code:	
Facility SIC Code:	7219	TOGT:	.0106
CO:	19	ROGT:	0
Air Basin:	SC	COT:	.0686
District:	SC	NOXT:	.0816
COID:	LA	SOXT:	.00049
DISN:	SOUTH COAST AQMD	PMT:	.0062
CHAPIS:		PM10T:	.01

2003 Toxic Data

Facility ID:	40103	COID:	LA
Facility SIC Code:	7219	DISN:	SOUTH COAST AQMD
CO:	19	CHAPIS:	
Air Basin:	SC	CERR Code:	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Non-Cancer Acute Haz Ind:						
11	5 of 9	NNE	0.02 / 84.23	797.71 / 4	HOME & VAN VECHTEN, D. BEDELL 450 S ARROYO PKWY PASADENA CA 91105	EMISSIONS

1987 Criteria Data

Facility ID:	40103	CERR Code:	
Facility SIC Code:	5199	TOGT:	3.6
CO:	19	ROGT:	0
Air Basin:	SC	COT:	
District:	SC	NOXT:	
COID:	LA	SOXT:	
DISN:	SOUTH COAST AQMD	PMT:	
CHAPIS:		PM10T:	

1987 Toxic Data

Facility ID:	40103	COID:	LA
Facility SIC Code:	5199	DISN:	SOUTH COAST AQMD
CO:	19	CHAPIS:	
Air Basin:	SC	CERR Code:	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

1990 Criteria Data

Facility ID:	40103	CERR Code:	
Facility SIC Code:	7216	TOGT:	5
CO:	19	ROGT:	0
Air Basin:	SC	COT:	.1
District:	SC	NOXT:	.3
COID:	LA	SOXT:	
DISN:	SOUTH COAST AQMD	PMT:	0
CHAPIS:		PM10T:	0

1990 Toxic Data

Facility ID:	40103	COID:	LA
Facility SIC Code:	7216	DISN:	SOUTH COAST AQMD
CO:	19	CHAPIS:	
Air Basin:	SC	CERR Code:	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

11	6 of 9	NNE	0.02 / 84.23	797.71 / 4	HOME VAN VECHTEN THE 450 S ARROYO PKY PASADENA CA 91105	FED DRYCLEANERS
FRS Facility ID:	110002770467					
NPDES IDs:						
NAICS Codes:	81232					
SIC Codes:						
Latitude:	34.13815					

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Longitude:		-118.14731				
11	7 of 9	NNE	0.02 / 84.23	797.71 / 4	HOME VAN VECHTEN THE 450 S ARROYO PKY PASADENA CA 91105-2530	FINDS/FRS
Registry ID:		110002770467				
FIPS Code:		06037				
Program Acronyms:		CA-CERS, CA-ENVIROVIEW, HWTS-DATAMART, RCRAINFO				
HUC Code:		18070105				
Site Type Name:		STATIONARY				
Location Description:						
Supplemental Location:						
Create Date:		01-MAR-2000 00:00:00				
Update Date:		10-OCT-2015 09:45:35				
Interest Types:		SQG, STATE MASTER				
SIC Codes:		7211				
SIC Code Descriptions:		POWER LAUNDRIES, FAMILY AND COMMERCIAL				
NAICS Codes:						
NAICS Code Descriptions:						
Conveyor:		FRS-GEOCODE				
Federal Facility Code:						
Federal Agency Name:						
Tribal Land Code:						
Tribal Land Name:						
Congressional Dist No.:		29				
Census Block Code:		060374636024009				
EPA Region Code:		09				
County Name:		LOS ANGELES				
US/Mexico Border Ind:						
Latitude:		34.13815				
Longitude:		-118.14731				
Reference Point:		ENTRANCE POINT OF A FACILITY OR STATION				
Coord Collection Method:		ADDRESS MATCHING-HOUSE NUMBER				
Accuracy Value:		50				
Datum:		NAD83				
Source:						
Facility Detail Rprt URL:		http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110002770467				
11	8 of 9	NNE	0.02 / 84.23	797.71 / 4	HOME VAN VECHTEN THE 450 S ARROYO PKWY PASADENA CA 911052530	HAZNET
SIC Code:		7211,7212,7216,7219,7389		Mailing City:		PASADENA
NAICS Code:		81232		Mailing State:		CA
EPA ID:		CAD981994536		Mailing Zip:		911052530
Create Date:		7/3/1987		Region Code:		3
Fac Act Ind:		No		Owner Name:		HOME VAN VECHTEN THE
Inact Date:		6/30/2015		Owner Addr 1:		450 S ARROYO PKWY
County Code:		19		Owner Addr 2:		
County Name:		Los Angeles		Owner City:		PASADENA
Mail Name:				Owner State:		CA
Mailing Addr 1:		450 S ARROYO PKWY		Owner Zip:		911052530
Mailing Addr 2:				Owner Phone:		6267934187
Owner Fax:		0000000000				
Contact Information						
--		--				
Contact Name:		DEREK BEDELL				
Street Address 1:		450 S ARROYO PKWY				
Street Address 2:						
City:		PASADENA				
State:		CA				
Zip:		911052530				
Phone:		6267934187				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
--		--				
--		--				
Tanner Information						
--		--				
Generator EPA ID:			CAD981994536			
Generator County Code:			19			
Generator County:			Los Angeles			
TSD EPA ID:			CAD981397417			
TSD County Code:			19			
TSD County:			Los Angeles			
State Waste Code:			211			
State Waste Code Desc.:			Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)			
Method Code:			R01			
Method Description:			Recycler			
Tons:			2.2985			
Year:			1995			
--		--				
Generator EPA ID:			CAD981994536			
Generator County Code:			19			
Generator County:			Los Angeles			
TSD EPA ID:			CAD981397417			
TSD County Code:			19			
TSD County:			Los Angeles			
State Waste Code:			211			
State Waste Code Desc.:			Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)			
Method Code:			R01			
Method Description:			Recycler			
Tons:			2.1026			
Year:			1996			
--		--				
Generator EPA ID:			CAD981994536			
Generator County Code:			19			
Generator County:			Los Angeles			
TSD EPA ID:			CAD981397417			
TSD County Code:			19			
TSD County:			Los Angeles			
State Waste Code:			211			
State Waste Code Desc.:			Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)			
Method Code:			R01			
Method Description:			Recycler			
Tons:			2.0191			
Year:			1997			
--		--				
Generator EPA ID:			CAD981994536			
Generator County Code:			19			
Generator County:			Los Angeles			
TSD EPA ID:			CAD981397417			
TSD County Code:			19			
TSD County:			Los Angeles			
State Waste Code:			211			
State Waste Code Desc.:			Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)			
Method Code:			R01			
Method Description:			Recycler			
Tons:			2.5614			
Year:			1998			
--		--				
Generator EPA ID:			CAD981994536			
Generator County Code:			19			
Generator County:			Los Angeles			
TSD EPA ID:			CAD981397417			
TSD County Code:			19			
TSD County:			Los Angeles			
State Waste Code:			211			
State Waste Code Desc.:			Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)			
Method Code:			R01			
Method Description:			Recycler			
Tons:			2.0024			
Year:			1999			
--		--				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Generator EPA ID:		CAD981994536				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		AZD009015389				
TSD County Code:		99				
TSD County:		Unknown				
State Waste Code:		751				
State Waste Code Desc.:		Solids or sludges with halogenated organic compounds >= 1,000 Mg./L				
Method Code:		D80				
Method Description:		Disposal, landfill				
Tons:		0.2293				
Year:		2000				
--		--				
Generator EPA ID:		CAD981994536				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		AZD009015389				
TSD County Code:		99				
TSD County:		Unknown				
State Waste Code:		741				
State Waste Code Desc.:		Liquids with halogenated organic compounds >= 1,000 Mg./L				
Method Code:		R01				
Method Description:		Recycler				
Tons:		0.0667				
Year:		2000				
--		--				
Generator EPA ID:		CAD981994536				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAD981397417				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		211				
State Waste Code Desc.:		Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)				
Method Code:		R01				
Method Description:		Recycler				
Tons:		0.4964				
Year:		2000				
--		--				
Generator EPA ID:		CAD981994536				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		OHD980587364				
TSD County Code:		99				
TSD County:		Unknown				
State Waste Code:		741				
State Waste Code Desc.:		Liquids with halogenated organic compounds >= 1,000 Mg./L				
Method Code:						
Method Description:						
Tons:		0.525				
Year:		2001				
--		--				
Generator EPA ID:		CAD981994536				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAT000613893				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		741				
State Waste Code Desc.:		Liquids with halogenated organic compounds >= 1,000 Mg./L				
Method Code:		H01				
Method Description:		Transfer station				
Tons:		0.135				
Year:		2002				
--		--				
Generator EPA ID:		CAD981994536				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAT000613893				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<hr/>						
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		741				
State Waste Code Desc.:		Liquids with halogenated organic compounds >= 1,000 Mg./L				
Method Code:						
Method Description:						
Tons:		0.14				
Year:		2002				
--		--				
Generator EPA ID:		CAD981994536				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		OHD980587364				
TSD County Code:		99				
TSD County:		Unknown				
State Waste Code:		741				
State Waste Code Desc.:		Liquids with halogenated organic compounds >= 1,000 Mg./L				
Method Code:		H01				
Method Description:		Transfer station				
Tons:		0.299				
Year:		2002				
--		--				
Generator EPA ID:		CAD981994536				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAT000613893				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		741				
State Waste Code Desc.:		Liquids with halogenated organic compounds >= 1,000 Mg./L				
Method Code:		H01				
Method Description:		Transfer station				
Tons:		0.085				
Year:		2003				
--		--				
Generator EPA ID:		CAD981994536				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAT000613893				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		741				
State Waste Code Desc.:		Liquids with halogenated organic compounds >= 1,000 Mg./L				
Method Code:		H01				
Method Description:		Transfer station				
Tons:		0.525				
Year:		2004				
--		--				
Generator EPA ID:		CAD981994536				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAT000613893				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		741				
State Waste Code Desc.:		Liquids with halogenated organic compounds >= 1,000 Mg./L				
Method Code:		H01				
Method Description:		Transfer station				
Tons:		0.125				
Year:		2005				
--		--				
<hr/>						
11	9 of 9	NNE	0.02 / 84.23	797.71 / 4	HOME VAN VECHTEN THE 450 S ARROYO PKY PASADENA CA 91105	RCRA SQG

EPA Handler ID: CAD981994536
Gen Status Universe: Small Quantity Generator

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<hr/>						
Contact Name:						
Contact Address:		US				
Contact Phone No and Ext:						
Contact Email:						
Contact Country:		US				
County Name:		LOS ANGELES				
EPA Region:		09				
Land Type:						
Receive Date:		19960901				

Violation/Evaluation Summary

Note: NO RECORDS: As of Dec 2018, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 19960901
Handler Name: HOME VAN VECHTEN THE
Generator Status Universe: Small Quantity Generator
Source Type: Implementer

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 19870219
Handler Name: HOME VAN VECHTEN THE
Generator Status Universe: Small Quantity Generator
Source Type: Notification

Owner/Operator Details

Owner/Operator Ind:	Current Operator	Street No:	
Type:	Private	Street 1:	NOT REQUIRED
Name:	NOT REQUIRED	Street 2:	
Date Became Current:		City:	NOT REQUIRED
Date Ended Current:		State:	ME
Phone:	415-555-1212	Country:	
Source Type:	Implementer	Zip Code:	99999
Owner/Operator Ind:	Current Owner	Street No:	
Type:	Private	Street 1:	NOT REQUIRED
Name:	DEREK BEDELL ENT INC	Street 2:	
Date Became Current:		City:	NOT REQUIRED

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Date Ended Current:				State:	ME	
Phone:		415-555-1212		Country:		
Source Type:		Notification		Zip Code:	99999	
12	1 of 2	NE	0.02 / 85.23	796.03 / 2	IMAGE OF INK 474 S ARROYO PARKWAY PASADENA CA 911050000	HAZNET
SIC Code:		2679		Mailing City:	PASADENA	
NAICS Code:		322222		Mailing State:	CA	
EPA ID:		CAL000229973		Mailing Zip:	911050000	
Create Date:		11/15/2001		Region Code:	3	
Fac Act Ind:		No		Owner Name:	RICHARD WARREN	
Inact Date:		6/30/2003		Owner Addr 1:	474 S ARROYO PARKWAY	
County Code:		19		Owner Addr 2:		
County Name:		Los Angeles		Owner City:	PASADENA	
Mail Name:				Owner State:	CA	
Mailing Addr 1:		474 S ARROYO PARKWAY		Owner Zip:	911050000	
Mailing Addr 2:				Owner Phone:	6264494800	
Owner Fax:						
Contact Information						
Contact Name:		RICHARD WARREN				
Street Address 1:		474 S ARROYO PARKWAY				
Street Address 2:						
City:		PASADENA				
State:		CA				
Zip:		911050000				
Phone:		6264494800				
12	2 of 2	NE	0.02 / 85.23	796.03 / 2	IMAGE OF INK 474 S ARROYO PARKWAY PASADENA CA 911050000	HAZNET
SIC Code:				Mailing City:	PASADENA	
NAICS Code:				Mailing State:	CA	
EPA ID:		CAL000176378		Mailing Zip:	911050000	
Create Date:		8/15/1997		Region Code:	3	
Fac Act Ind:		No		Owner Name:	PATRICIA NEALE	
Inact Date:		6/30/2002		Owner Addr 1:	474 S ARROYO PARKWAY	
County Code:		19		Owner Addr 2:		
County Name:		Los Angeles		Owner City:	PASADENA	
Mail Name:				Owner State:	CA	
Mailing Addr 1:		474 S ARROYO PARKWAY		Owner Zip:	911050000	
Mailing Addr 2:				Owner Phone:	0000000000	
Owner Fax:						
Contact Information						
Contact Name:		DEBBIE ELSON				
Street Address 1:		INACTIVE PER VQ01 - BMI				
Street Address 2:						
City:		PASADENA				
State:		CA				
Zip:		911050000				
Phone:		6264494800				
Tanner Information						
Generator EPA ID:		CAL000176378				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAT000613976				
TSD County Code:		30				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<hr/>						
TSD County:		Orange				
State Waste Code:		741				
State Waste Code Desc.:		Liquids with halogenated organic compounds >= 1,000 Mg./L				
Method Code:		H01				
Method Description:		Transfer station				
Tons:		0.3251				
Year:		2000				
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Generator EPA ID:		CAL000176378				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAT000613976				
TSD County Code:		30				
TSD County:		Orange				
State Waste Code:		741				
State Waste Code Desc.:		Liquids with halogenated organic compounds >= 1,000 Mg./L				
Method Code:		H01				
Method Description:		Transfer station				
Tons:		0.7254				
Year:		2001				
--		--				
Generator EPA ID:		CAL000176378				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAT000613976				
TSD County Code:		30				
TSD County:		Orange				
State Waste Code:		741				
State Waste Code Desc.:		Liquids with halogenated organic compounds >= 1,000 Mg./L				
Method Code:		H01				
Method Description:		Transfer station				
Tons:		0.46702				
Year:		2002				
--		--				

[13](#)

1 of 2

ESE

0.02 /
86.43

794.16 /
1

Parkway Grill
510 S ARROYO PKWY
PASADENA CA 91105

CERS HAZ

Site ID: 274691
Latitude: 34.136955
Longitude: -118.146896

Regulated Programs

El ID: 10629061 El Description: Chemical Storage Facilities

Violations

Violation Date: 3/6/2015
Violation Division: Pasadena Fire Department
Violation Program: HMRRP
Violation Source: CERS
Citation: 19 CCR 6.95 25508(a)(1) - California Code of Regulations, Title 19, Chapter 6.95, Section(s) 25508(a)(1)
Violation Notes:

Returned to compliance on 05/29/2015.; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to complete and electronically submit the Business Activities Page and/or Business Owner Operator Identification Page.

Violations

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Violation Date: 3/6/2015
Violation Division: Pasadena Fire Department
Violation Program: HMRRP
Violation Source: CERS
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Notes:

Returned to compliance on 05/29/2015.; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.

Violations

Violation Date: 3/6/2015
Violation Division: Pasadena Fire Department
Violation Program: HMRRP
Violation Source: CERS
Citation: HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Notes:

Returned to compliance on 05/29/2015.; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to annually review and electronically certify that the business plan is complete, accurate, and up-to-date.

Violations

Violation Date: 3/6/2015
Violation Division: Pasadena Fire Department
Violation Program: HMRRP
Violation Source: CERS
Citation: HSC 6.95 25508(d) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(d)
Violation Notes:

Returned to compliance on 05/29/2015.; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to complete and/or electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.

Violations

Violation Date: 3/6/2015
Violation Division: Pasadena Fire Department
Violation Program: HMRRP
Violation Source: CERS
Citation: HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Notes:

Returned to compliance on 05/29/2015.; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.

Violations

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Violation Date: 3/6/2015
Violation Division: Pasadena Fire Department
Violation Program: HMRRP
Violation Source: CERS
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Notes:

Returned to compliance on 05/29/2015.; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to complete and electronically submit a site map with all required content.

Violations

Violation Date: 3/6/2015
Violation Division: Pasadena Fire Department
Violation Program: HMRRP
Violation Source: CERS
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Notes:

Returned to compliance on 05/29/2015.; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to establish and electronically submit an adequate training program in safety procedures in the event of a release or threatened release of a hazardous material.

Violations

Violation Date: 3/6/2015
Violation Division: Pasadena Fire Department
Violation Program: HMRRP
Violation Source: CERS
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Notes:

Returned to compliance on 05/29/2015.; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to establish and electronically submit an adequate emergency response plan and procedures for a release or threatened release of a hazardous material.

Violations

Violation Date: 3/6/2015
Violation Division: Pasadena Fire Department
Violation Program: HMRRP
Violation Source: CERS
Citation: HSC 6.95 25508.1(a)-(e) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(e)
Violation Notes:

Returned to compliance on 05/29/2015.; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to electronically update business plan within 30 days of any one of the following events:
 A 100 percent or more increase in the quantity of a previously disclosed material.
 Any handling of a previously undisclosed hazardous materials at or above reportable quantities.
 A change of business address, business ownership, or business name.

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Evaluations

Eval Date: 3/6/2015
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Pasadena Fire Department
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

; Note: data in [EVAL Notes] field for some records is truncated from the source.

Affiliations

Affil Type Desc: Environmental Contact
Entity Name: Kornelija O'Faolain
Entity Title:
Address: 510 S Arroyo Pkwy
City: Pasadena
State: CA
Country:
Zip Code: 91105
Phone: (626) 795-1001

Affil Type Desc: Operator
Entity Name: Smith Brothers Restaurant Corporation
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone: (626) 577-2400

Affil Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title:
Address: 510 S Arroyo Pkwy
City: Pasadena
State: CA
Country:
Zip Code: 91105
Phone:

Affil Type Desc: Legal Owner
Entity Name: Smith Brothers Restaurant Co
Entity Title:
Address: 100 E. Corson Street, Suite 320
City: Pasadena
State: CA
Country: United States
Zip Code: 91103
Phone: (626) 577-2400

Affil Type Desc: CUPA District
Entity Name: Los Angeles County Fire
Entity Title:
Address: 5825 Rickenbacker Road
City: Commerce
State: CA
Country:
Zip Code: 90040-3027
Phone: (323) 890-4045

Affil Type Desc: Document Preparer

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Entity Name:		Kornelija O'Faolain				
Entity Title:						
Address:						
City:						
State:						
Country:						
Zip Code:						
Phone:						
Affil Type Desc:		Parent Corporation				
Entity Name:		Parkway Grill				
Entity Title:						
Address:						
City:						
State:						
Country:						
Zip Code:						
Phone:						
Affil Type Desc:		Identification Signer				
Entity Name:		Kornelija O'Faolain				
Entity Title:						
Address:						
City:						
State:						
Country:						
Zip Code:						
Phone:						
<u>Coordinates</u>						
Env Int Type Code:	HMBP			Longitude:	-118.146900	
Program ID:	10629061			Coord Name:		
Latitude:	34.136960			Ref Point Type Desc:	Center of a facility or station.	
13	2 of 2	ESE	0.02 / 86.43	794.16 / 1	PARKWAY GRILL 510 S ARROYO PKWY PASADENA CA 91105	FINDS/FRS
Registry ID:		110065505322				
FIPS Code:						
Program Acronyms:		CA-ENVIROVIEW				
HUC Code:		18070105				
Site Type Name:		STATIONARY				
Location Description:						
Supplemental Location:						
Create Date:		13-OCT-2015 10:42:24				
Update Date:						
Interest Types:		STATE MASTER				
SIC Codes:						
SIC Code Descriptions:						
NAICS Codes:						
NAICS Code Descriptions:						
Conveyor:		FRS-GEOCODE				
Federal Facility Code:						
Federal Agency Name:						
Tribal Land Code:						
Tribal Land Name:						
Congressional Dist No.:		29				
Census Block Code:		060374636024010				
EPA Region Code:		09				
County Name:		LOS ANGELES				
US/Mexico Border Ind:						
Latitude:		34.13696				
Longitude:		-118.1469				
Reference Point:		CENTER OF A FACILITY OR STATION				
Coord Collection Method:		ADDRESS MATCHING-HOUSE NUMBER				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Accuracy Value:		30				
Datum:		NAD83				
Source:						
Facility Detail Rprt URL:		http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110065505322				
14	1 of 8	NNE	0.02 / 86.68	798.77 / 5	1X LAUNDRY PARTNERS LIMITED 432 SOUTH ARROYO PARKWAY PASADENA CA 911010000	DRYCLEANERS
EPA ID:		CAC000306729		Owner Phone:	0000000000	
Create Date:		7/18/1990		Owner Fax:		
Facility Act Ind:		No		Contact Name:	RAY MUNSEN / GENERAL PARTNER	
Inact Date:		10/25/2000		Contact Street 1:	--	
Reason:		DRY		Contact Street 2:		
County Name:		Los Angeles		Contact City:	--	
Region Code:		3		Contact State:	99	
Owner Name:		LAUNDRY PARTNERS LIMITED		Contact Zip:	--	
Owner Street 1:		--		Contact Phone:	8184400997	
Owner Street 2:				Mail Name:		
Owner City:		--		DD Latitude:		
Owner State:		99		DD Longitude:		
Owner Zip:		--				
14	2 of 8	NNE	0.02 / 86.68	798.77 / 5	432 S ARROYO PARKWAY PASADENA CA 911010000	HIST MANIFEST
Gen EPA ID:		CAC000112309				
Create Date:		8/29/1988 0:00:00				
Inact Date:		10/25/2000 0:00:00				
Facility Mail Street:		--				
Facility Mail City:		PASADENA				
Facility Mail State:		CA				
Facility Mail Zip:		911010000				
Contact Phone(s):		8184400997				
File Year(s):		1988				
Contact Name(s):		RAY MUNSON (PARTNER)				
<u>Tanner Information</u>						
Method Description:						
Tons:		0.62				
Year:		1988				
Generator County Code:		19				
Generator County:		Los Angeles				
Method Code:		D80				
Tsd County Code:		45				
Tsd County:		Shasta				
State Waste Code:		151				
State Waste Code Desc:		Asbestos containing waste				
Tsd Epa ID:		CAD981388952				
<u>Tanner Information</u>						
Method Description:						
Tons:		0				
Year:		1988				
Generator County Code:		19				
Generator County:		Los Angeles				
Method Code:						
Tsd County Code:		45				
Tsd County:		Shasta				
State Waste Code:						

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
State Waste Code Desc: Tsd Epa ID:		CAD981388952				

14	3 of 8	NNE	0.02 / 86.68	798.77 / 5	432 S ARROYO PARKWAY PASADENA CA 911010000	HIST MANIFEST
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Gen EPA ID: CAC000108757
 Create Date: 8/19/1988 0:00:00
 Inact Date: 10/25/2000 0:00:00
 Facility Mail Street: --
 Facility Mail City: PASADENA
 Facility Mail State: CA
 Facility Mail Zip: 911030000
 Contact Phone(s): 8187933125
 File Year(s): 1988
 Contact Name(s): KEVIN CONRY

Tanner Information

Method Description:
 Tons: 1.45
 Year: 1988
 Generator County Code: 19
 Generator County: Los Angeles
 Method Code: R01
 Tsd County Code: 15
 Tsd County: Kern
 State Waste Code: 221
 State Waste Code Desc: Waste oil and mixed oil
 Tsd Epa ID: CAD980883177

Tanner Information

Method Description:
 Tons: 4.17
 Year: 1988
 Generator County Code: 19
 Generator County: Los Angeles
 Method Code: T01
 Tsd County Code: 19
 Tsd County: Los Angeles
 State Waste Code: 221
 State Waste Code Desc: Waste oil and mixed oil
 Tsd Epa ID: CAD050806850

Tanner Information

Method Description:
 Tons: 0
 Year: 1988
 Generator County Code: 19
 Generator County: Los Angeles
 Method Code:
 Tsd County Code: 15
 Tsd County: Kern
 State Waste Code:
 State Waste Code Desc:
 Tsd Epa ID: CAD980883177

Tanner Information

Method Description:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Tons: 0 Year: 1988 Generator County Code: 19 Generator County: Los Angeles Method Code: Tsd County Code: 19 Tsd County: Los Angeles State Waste Code: State Waste Code Desc: Tsd Epa ID: CAD050806850						
14	4 of 8	NNE	0.02 / 86.68	798.77 / 5	432 SOUTH ARROYO PARKWAY PASADENA CA 911010000	HIST MANIFEST
Gen EPA ID: CAC000306729 Create Date: 7/18/1990 0:00:00 Inact Date: 10/25/2000 0:00:00 Facility Mail Street: 510 SOUTH MARENGO AVENUE Facility Mail City: PASADENA Facility Mail State: CA Facility Mail Zip: 911010000 Contact Phone(s): 8184400997 File Year(s): 1990 Contact Name(s): RAY MUNSEN / GENERAL PARTNER						
<u>Tanner Information</u>						
Method Description: Tons: 0 Year: 1990 Generator County Code: 19 Generator County: Los Angeles Method Code: Tsd County Code: 0 Tsd County: State Waste Code: State Waste Code Desc: Tsd Epa ID: WAD009477175						
<u>Tanner Information</u>						
Method Description: Tons: 0.8 Year: 1990 Generator County Code: 19 Generator County: Los Angeles Method Code: 1 Tsd County Code: 0 Tsd County: State Waste Code: 211 State Waste Code Desc: Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc) Tsd Epa ID: WAD009477175						
14	5 of 8	NNE	0.02 / 86.68	798.77 / 5	432 S ARROYO PKWY PASADENA CA 91103	LA HMS
Site No: 013896 Area: 3J						
<u>--Details--</u>						
File No: 014358 File Name: TYLER & COBLEIGH						

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Status Code: Status Desc: Permit No: Permit Category: Permit Category Desc: Permit Status Code: Permit Status Desc: Permit Type: Permit Type Desc:		REM Equipment Removed				
14	6 of 8	NNE	0.02 / 86.68	798.77 / 5	1X MUNSON & WHITE COMPANY 432 S ARROYO PARKWAY PASADENA CA 911010000	HAZNET
SIC Code: NAICS Code: EPA ID: Create Date: Fac Act Ind: Inact Date: County Code: County Name: Mail Name: Mailing Addr 1: Mailing Addr 2: Owner Fax:		CAC000112309 8/29/1988 No 10/25/2000 19 Los Angeles --			Mailing City: Mailing State: Mailing Zip: Region Code: Owner Name: Owner Addr 1: Owner Addr 2: Owner City: Owner State: Owner Zip: Owner Phone:	PASADENA CA 911010000 3 MUNSON & WHITE COMPANY -- -- -- 99 -- 0000000000
Contact Information						
--		--				
Contact Name:		RAY MUNSON (PARTNER)				
Street Address 1:		--				
Street Address 2:						
City:		--				
State:		99				
Zip:		--				
Phone:		8184400997				
--		--				

14	7 of 8	NNE	0.02 / 86.68	798.77 / 5	1X LAUNDRY PARTNERS LIMITED 432 SOUTH ARROYO PARKWAY PASADENA CA 911010000	HAZNET
SIC Code: NAICS Code: EPA ID: Create Date: Fac Act Ind: Inact Date: County Code: County Name: Mail Name: Mailing Addr 1: Mailing Addr 2: Owner Fax:		CAC000306729 7/18/1990 No 10/25/2000 19 Los Angeles 510 SOUTH MARENGO AVENUE			Mailing City: Mailing State: Mailing Zip: Region Code: Owner Name: Owner Addr 1: Owner Addr 2: Owner City: Owner State: Owner Zip: Owner Phone:	PASADENA CA 911010000 3 LAUNDRY PARTNERS LIMITED -- -- -- 99 -- 0000000000
Contact Information						
--		--				
Contact Name:		RAY MUNSEN / GENERAL PARTNER				
Street Address 1:		--				
Street Address 2:						
City:		--				
State:		99				
Zip:		--				
Phone:		8184400997				
--		--				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
14	8 of 8	NNE	0.02 / 86.68	798.77 / 5	1X TYLER COBLEIGH 432 S ARROYO PARKWAY PASADENA CA 911010000	HAZNET
SIC Code:				Mailing City:	PASADENA	
NAICS Code:				Mailing State:	CA	
EPA ID:		CAC000108757	Mailing Zip:		911030000	
Create Date:		8/19/1988	Region Code:		3	
Fac Act Ind:		No	Owner Name:		TYLER & COBLEIGH	
Inact Date:		10/25/2000	Owner Addr 1:		--	
County Code:		19	Owner Addr 2:		--	
County Name:		Los Angeles	Owner City:		--	
Mail Name:			Owner State:		99	
Mailing Addr 1:		--	Owner Zip:		--	
Mailing Addr 2:			Owner Phone:		0000000000	
Owner Fax:						
Contact Information						
--		--				
Contact Name:		KEVIN CONRY				
Street Address 1:		--				
Street Address 2:						
City:		--				
State:		99				
Zip:		--				
Phone:		8187933125				
--		--				
15	1 of 3	E	0.02 / 86.71	794.48 / 1	CUSTOM RIMS&TIRES 496 S ARROYO PKWY PASADENA CA 911050000	HAZNET
SIC Code:				Mailing City:	PASADENA	
NAICS Code:				Mailing State:	CA	
EPA ID:		CAL000059492	Mailing Zip:		911050000	
Create Date:		2/24/1992	Region Code:		3	
Fac Act Ind:		No	Owner Name:		BERLIN TIRE CENTERS	
Inact Date:		6/30/1996	Owner Addr 1:		--	
County Code:		19	Owner Addr 2:		--	
County Name:		Los Angeles	Owner City:		--	
Mail Name:			Owner State:		99	
Mailing Addr 1:		496 S ARROYO PKWY	Owner Zip:		--	
Mailing Addr 2:			Owner Phone:		0000000000	
Owner Fax:						
Contact Information						
--		--				
Contact Name:		UNDELIVERABLE 1996 FEES FORM				
Street Address 1:		--				
Street Address 2:						
City:		--				
State:		99				
Zip:		--				
Phone:		--				
--		--				
15	2 of 3	E	0.02 / 86.71	794.48 / 1	TIRE CENTER INC 496 S ARROYO PARKWAY PASADENA CA 911050000	HAZNET
SIC Code:				Mailing City:	PASADENA	
NAICS Code:				Mailing State:	CA	
EPA ID:		CAL000011818	Mailing Zip:		911050000	
Create Date:		11/14/1989	Region Code:		3	
Fac Act Ind:		No	Owner Name:		TIRE CENTERS INC	
Inact Date:		6/30/1996	Owner Addr 1:		--	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
County Code:	19				Owner Addr 2:	
County Name:	Los Angeles				Owner City:	--
Mail Name:					Owner State:	99
Mailing Addr 1:	496 S ARROYO PARKWAY				Owner Zip:	--
Mailing Addr 2:					Owner Phone:	0000000000
Owner Fax:						
Contact Information						
--	--	--	--	--	--	--
Contact Name:	UNDELIVERABLE 1996 FEES FORM					
Street Address 1:	--					
Street Address 2:						
City:	--					
State:	99					
Zip:	--					
Phone:	--					
--	--					
--	--					
Tanner Information						
--	--					
Generator EPA ID:	CAL000011818					
Generator County Code:	19					
Generator County:	Los Angeles					
TSD EPA ID:	CAD028409019					
TSD County Code:	19					
TSD County:	Los Angeles					
State Waste Code:	352					
State Waste Code Desc.:	Other organic solids					
Method Code:	H01					
Method Description:	Transfer station					
Tons:	13.4848					
Year:	1998					
--	--					

15	3 of 3	E	0.02 / 86.71	794.48 / 1	EURO COLLISION INC. 496 S ARROYO PKWY PASADENA CA 911050000	HAZNET
SIC Code:					Mailing City:	PASADENA
NAICS Code:					Mailing State:	CA
EPA ID:	CAL000206412				Mailing Zip:	911050000
Create Date:	4/25/2001				Region Code:	3
Fac Act Ind:	No				Owner Name:	JOSEPH JAVADI
Inact Date:	6/30/2008				Owner Addr 1:	496 S ARROYO PKWY
County Code:	19				Owner Addr 2:	
County Name:	Los Angeles				Owner City:	PASADENA
Mail Name:					Owner State:	CA
Mailing Addr 1:	496 S ARROYO PKWY				Owner Zip:	911050000
Mailing Addr 2:					Owner Phone:	0000000000
Owner Fax:						
Contact Information						
--	--	--	--	--	--	--
Contact Name:	JOSEPH JAVADI OWNER					
Street Address 1:	496 S ARROYO PKWY					
Street Address 2:						
City:	PASADENA					
State:	CA					
Zip:	911050000					
Phone:	6267934697					
--	--					
--	--					
Tanner Information						
--	--					
Generator EPA ID:	CAL000206412					
Generator County Code:	19					
Generator County:	Los Angeles					
TSD EPA ID:	CAD008252405					

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		214				
State Waste Code Desc.:		Unspecified solvent mixture				
Method Code:		H061				
Method Description:		FUEL BLENDING PRIOR TO ENERGY RECOVERY AT ANOTHER SITE				
Tons:		0.0576				
Year:		2007				
--		--				

16	1 of 2	SE	0.02 / 87.52	791.85 / -2	Arroyo Chop House 536 S ARROYO PKWY PASADENA CA 91105	CERS HAZ
Site ID:		272574				
Latitude:		34.136000				
Longitude:		-118.147000				

Regulated Programs

EI ID:	10622149	EI Description:	Chemical Storage Facilities
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Violations

Violation Date:	3/6/2015
Violation Division:	Pasadena Fire Department
Violation Program:	HMRRP
Violation Source:	CERS
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Notes:	

Returned to compliance on 05/21/2015.; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to establish and electronically submit an adequate training program in safety procedures in the event of a release or threatened release of a hazardous material.

Violations

Violation Date:	3/6/2015
Violation Division:	Pasadena Fire Department
Violation Program:	HMRRP
Violation Source:	CERS
Citation:	19 CCR 6.95 25508(a)(1) - California Code of Regulations, Title 19, Chapter 6.95, Section(s) 25508(a)(1)
Violation Notes:	

Returned to compliance on 05/21/2015.; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to complete and electronically submit the Business Activities Page and/or Business Owner Operator Identification Page.

Violations

Violation Date:	3/6/2015
Violation Division:	Pasadena Fire Department
Violation Program:	HMRRP
Violation Source:	CERS
Citation:	HSC 6.95 25508.1(a)-(e) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(e)
Violation Notes:	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Returned to compliance on 05/21/2015.; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to electronically update business plan within 30 days of any one of the following events:
 A 100 percent or more increase in the quantity of a previously disclosed material.
 Any handling of a previously undisclosed hazardous materials at or above reportable quantities.
 A change of business address, business ownership, or business name.

Violations

Violation Date: 3/6/2015
Violation Division: Pasadena Fire Department
Violation Program: HMRRP
Violation Source: CERS
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Notes:

Returned to compliance on 05/21/2015.; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.

Violations

Violation Date: 3/6/2015
Violation Division: Pasadena Fire Department
Violation Program: HMRRP
Violation Source: CERS
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Notes:

Returned to compliance on 05/21/2015.; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to establish and electronically submit an adequate emergency response plan and procedures for a release or threatened release of a hazardous material.

Violations

Violation Date: 3/6/2015
Violation Division: Pasadena Fire Department
Violation Program: HMRRP
Violation Source: CERS
Citation: HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Notes:

Returned to compliance on 05/21/2015.; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.

Violations

Violation Date: 3/6/2015
Violation Division: Pasadena Fire Department
Violation Program: HMRRP

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Violation Source: CERS
Citation: HSC 6.95 25508(d) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(d)
Violation Notes:

Returned to compliance on 05/21/2015.; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to complete and/or electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.

Violations

Violation Date: 3/6/2015
Violation Division: Pasadena Fire Department
Violation Program: HMRRP
Violation Source: CERS
Citation: HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Notes:

Returned to compliance on 05/21/2015.; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to annually review and electronically certify that the business plan is complete, accurate, and up-to-date.

Violations

Violation Date: 3/6/2015
Violation Division: Pasadena Fire Department
Violation Program: HMRRP
Violation Source: CERS
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Notes:

Returned to compliance on 05/21/2015.; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to complete and electronically submit a site map with all required content.

Evaluations

Eval Date: 3/6/2015
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Pasadena Fire Department
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

; Note: data in [EVAL Notes] field for some records is truncated from the source.

Affiliations

Affil Type Desc: Legal Owner
Entity Name: Robert Smith
Entity Title:
Address: 100 E. Corson Street, Suite 320
City: Pasadena
State: CA
Country: United States

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Zip Code: Phone:		91103 (626) 577-2400				
Affil Type Desc: Entity Name: Entity Title: Address: City: State: Country: Zip Code: Phone:		Document Preparer David Ruivo				
Affil Type Desc: Entity Name: Entity Title: Address: City: State: Country: Zip Code: Phone:		Environmental Contact David Ruivo 536 South Arroyo Parkway Pasadena CA 91105 (626) 577-7469				
Affil Type Desc: Entity Name: Entity Title: Address: City: State: Country: Zip Code: Phone:		Parent Corporation Arroyo Chop House				
Affil Type Desc: Entity Name: Entity Title: Address: City: State: Country: Zip Code: Phone:		Operator Arroyo Chop House (626) 577-7469				
Affil Type Desc: Entity Name: Entity Title: Address: City: State: Country: Zip Code: Phone:		CUPA District Los Angeles County Fire 5825 Rickenbacker Road Commerce CA 90040-3027 (323) 890-4045				
Affil Type Desc: Entity Name: Entity Title: Address: City: State: Country: Zip Code: Phone:		Identification Signer David Ruivo General Manager				
Affil Type Desc: Entity Name: Entity Title: Address: City: State:		Property Owner Robert Smith 100 E. Corson Street, Suite 320 Pasadena CA				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Country: United States Zip Code: 91103 Phone: (626) 577-2400 Affil Type Desc: Facility Mailing Address Entity Name: Mailing Address Entity Title: Address: 536 South Arroyo Parkway City: Pasadena State: CA Country: Zip Code: 91105 Phone:						
<u>Coordinates</u>						
Env Int Type Code:	HMBP			Longitude:	-118.147248	
Program ID:	10622149			Coord Name:		
Latitude:	34.136604			Ref Point Type Desc:	Unknown	
16	2 of 2	SE	0.02 / 87.52	791.85 / -2	ARROYO CHOP HOUSE 536 S ARROYO PKWY PASADENA CA 91105	FINDS/FRS
Registry ID: 110065504733 FIPS Code: Program Acronyms: CA-ENVIROVIEW HUC Code: 18070105 Site Type Name: STATIONARY Location Description: Supplemental Location: Create Date: 13-OCT-2015 10:42:01 Update Date: Interest Types: STATE MASTER SIC Codes: SIC Code Descriptions: NAICS Codes: NAICS Code Descriptions: Conveyor: FRS-GEOCODE Federal Facility Code: Federal Agency Name: Tribal Land Code: Tribal Land Name: Congressional Dist No.: 29 Census Block Code: 060374636024014 EPA Region Code: 09 County Name: LOS ANGELES US/Mexico Border Ind: Latitude: 34.1365 Longitude: -118.147301 Reference Point: ENTRANCE POINT OF A FACILITY OR STATION Coord Collection Method: ADDRESS MATCHING-HOUSE NUMBER Accuracy Value: 50 Datum: NAD83 Source: Facility Detail Rprt URL: http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110065504733						
17	1 of 17	SE	0.02 / 87.89	791.17 / -2	BRYAN'S CLEANER & LAUNDRY 544 S ARROYO PKWY PASADENA CA 91105	CERS HAZ
Site ID: 100341 Latitude: 34.136356 Longitude: -118.146797						

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Regulated Programs

El ID:	10308007	El Description:	Chemical Storage Facilities
El ID:	10308007	El Description:	Hazardous Waste Generator

Evaluations

Eval Date:	3/14/2017
Violations Found:	No
Eval General Type:	Compliance Evaluation Inspection
Eval Type:	Routine done by local agency
Eval Division:	Los Angeles County Fire Department
Eval Program:	HW
Eval Source:	CERS
Eval Notes:	

Scott Bell; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date:	3/7/2014
Violations Found:	No
Eval General Type:	Compliance Evaluation Inspection
Eval Type:	Routine done by local agency
Eval Division:	Los Angeles County Fire Department
Eval Program:	HW
Eval Source:	CERS
Eval Notes:	

; Note: data in [EVAL Notes] field for some records is truncated from the source.

Affiliations

Affil Type Desc:	Environmental Contact
Entity Name:	Scott Bell
Entity Title:	
Address:	544 So Arroyo Pkwy
City:	Pasadena
State:	CA
Country:	
Zip Code:	91105
Phone:	(626) 796-4335

Affil Type Desc:	Document Preparer
Entity Name:	Scott Bell
Entity Title:	
Address:	
City:	
State:	
Country:	
Zip Code:	
Phone:	

Affil Type Desc:	Identification Signer
Entity Name:	Scott Bell
Entity Title:	President
Address:	
City:	
State:	
Country:	
Zip Code:	
Phone:	

Affil Type Desc:	Operator
Entity Name:	Scott Bell

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Entity Title: Address: City: State: Country: Zip Code: Phone: (626) 796-4335 Affil Type Desc: Parent Corporation Entity Name: BRYAN'S CLEANER & LAUNDRY Entity Title: Address: City: State: Country: Zip Code: Phone: Affil Type Desc: CUPA District Entity Name: Los Angeles County Fire Entity Title: Address: 5825 Rickenbacker Road City: Commerce State: CA Country: Zip Code: 90040-3027 Phone: (323) 890-4045 Affil Type Desc: Property Owner Entity Name: Scott Bell Entity Title: Address: 544 S ARROYO PKWY City: PASADENA State: CA Country: United States Zip Code: 91105 Phone: (626) 796-4335 Affil Type Desc: Facility Mailing Address Entity Name: Mailing Address Entity Title: Address: 544 S ARROYO PKWY City: PASADENA State: CA Country: Zip Code: 91105 Phone: Affil Type Desc: Legal Owner Entity Name: Scott Bell Entity Title: Address: 544 S ARROYO PKWY City: PASADENA State: CA Country: United States Zip Code: 91105 Phone: (626) 796-4335						

Coordinates

Env Int Type Code:	HWG	Longitude:	-118.146800
Program ID:	10308007	Coord Name:	
Latitude:	34.136360	Ref Point Type Desc:	Center of a facility or station.

17	2 of 17	SE	0.02 / 87.89	791.17 / -2	BRYAN'S CLEANERS & DYERS INC 544 S ARROYO PKWY	DRYCLEANERS
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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
PASADENA CA 911050000						
EPA ID:	CAD981991391				Owner Phone:	6267964335
Create Date:	7/3/1987				Owner Fax:	0000000000
Facility Act Ind:	Yes				Contact Name:	SCOTT BELL/PRES
Inact Date:					Contact Street 1:	544 S ARROYO PKWY
Reason:	SIC/NAICS				Contact Street 2:	
County Name:	Los Angeles				Contact City:	PASADENA
Region Code:	3				Contact State:	CA
Owner Name:	SCOTT BELL				Contact Zip:	91105
Owner Street 1:	535 MONTE VISTA ROAD				Contact Phone:	6267964335
Owner Street 2:					Mail Name:	
Owner City:	ARCADIA				DD Latitude:	34.136607
Owner State:	CA				DD Longitude:	-118.147275
Owner Zip:	910070000					
--Details--						
NAICS Code:	81232					
Naics Desc:	Drycleaning and Laundry Services (except Coin-Operated)					
SIC Code:	7211					
SIC Desc:	Power Laundries, Family and Commercial					
17	3 of 17	SE	0.02 / 87.89	791.17 / -2	BRYAN'S CLEANERS 544 S ARROYO PKWY PASADENA CA 911050000	DRYCLEANERS
EPA ID:	CAD028891042				Owner Phone:	0000000000
Create Date:	2/3/1983				Owner Fax:	
Facility Act Ind:	No				Contact Name:	SCOTT BELL
Inact Date:	6/30/2002				Contact Street 1:	544 S ARROYO PKWY
Reason:	SIC/NAICS				Contact Street 2:	
County Name:	Los Angeles				Contact City:	PASADENA
Region Code:	3				Contact State:	CA
Owner Name:	WILLIAM BELL				Contact Zip:	--
Owner Street 1:	544 S ARROYO PKWY				Contact Phone:	6267964335
Owner Street 2:					Mail Name:	
Owner City:	PASADENA				DD Latitude:	34.136341
Owner State:	CA				DD Longitude:	-118.147251
Owner Zip:	--					
--Details--						
NAICS Code:	81232					
Naics Desc:	Drycleaning and Laundry Services (except Coin-Operated)					
SIC Code:	7211					
SIC Desc:	Power Laundries, Family and Commercial					
17	4 of 17	SE	0.02 / 87.89	791.17 / -2	BRYAN'S CLEANERS & DYERS INC 544 S ARROYO PKY PASADENA CA 91105	EMISSIONS
1996 Criteria Data						
Facility ID:	10760				CERR Code:	
Facility SIC Code:	7216				TOGT:	.035
CO:	19				ROGT:	.0147805
Air Basin:	SC				COT:	.169
District:	SC				NOXT:	.457
COID:	LA				SOXT:	.002
DISN:	SOUTH COAST AQMD				PMT:	.015

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
CHAPIS:				PM10T:	.015	
<u>1996 Toxic Data</u>						
Facility ID:	10760			COID:	LA	
Facility SIC Code:	7216			DISN:	SOUTH COAST AQMD	
CO:	19			CHAPIS:		
Air Basin:	SC			CERR Code:		
District:	SC					
TS:						
Health Risk Asmt:						
Non-Cancer Chronic Haz Ind:						
Non-Cancer Acute Haz Ind:						
<u>2004 Criteria Data</u>						
Facility ID:	10760			CERR Code:		
Facility SIC Code:	7216			TOGT:	.0117	
CO:	19			ROGT:	.00493974	
Air Basin:	SC			COT:	.178	
District:	SC			NOXT:	.212	
COID:	LA			SOXT:	.00127	
DISN:	SOUTH COAST AQMD			PMT:	.0161	
CHAPIS:				PM10T:	.0161	
<u>2004 Toxic Data</u>						
Facility ID:	10760			COID:	LA	
Facility SIC Code:	7216			DISN:	SOUTH COAST AQMD	
CO:	19			CHAPIS:		
Air Basin:	SC			CERR Code:		
District:	SC					
TS:						
Health Risk Asmt:						
Non-Cancer Chronic Haz Ind:						
Non-Cancer Acute Haz Ind:						
<u>2005 Criteria Data</u>						
Facility ID:	10760			CERR Code:		
Facility SIC Code:	7216			TOGT:	.0260540028422548555187115111321648507	
CO:	19			ROGT:	816	
Air Basin:	SC			COT:	.011	
District:	SC			NOXT:	.166	
COID:	LA			SOXT:	.198	
DISN:	SOUTH COAST AQMD			PMT:	.001	
CHAPIS:				PM10T:	.015	
<u>2005 Toxic Data</u>						
Facility ID:	10760			COID:	LA	
Facility SIC Code:	7216			DISN:	SOUTH COAST AQMD	
CO:	19			CHAPIS:		
Air Basin:	SC			CERR Code:		
District:	SC					
TS:						
Health Risk Asmt:						
Non-Cancer Chronic Haz Ind:						
Non-Cancer Acute Haz Ind:						
<u>2006 Criteria Data</u>						

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<hr/>						
Facility ID:	10760				CERR Code:	
Facility SIC Code:	7216				TOGT:	.0236854571293225959261013737565135007
CO:	19				ROGT:	106
Air Basin:	SC				COT:	.01
District:	SC				NOXT:	.152
COID:	LA				SOXT:	.181
DISN:	SOUTH COAST AQMD				PMT:	.001
CHAPIS:					PM10T:	.014
						.014
 <u>2006 Toxic Data</u>						
Facility ID:	10760				COID:	LA
Facility SIC Code:	7216				DISN:	SOUTH COAST AQMD
CO:	19				CHAPIS:	
Air Basin:	SC				CERR Code:	
District:	SC					
TS:						
Health Risk Asmt:						
Non-Cancer Chronic Haz Ind:						
Non-Cancer Acute Haz Ind:						
 <u>2007 Criteria Data</u>						
Facility ID:	10760				CERR Code:	
Facility SIC Code:	7216				TOGT:	.0236854571293225959261013737565135007
CO:	19				ROGT:	106
Air Basin:	SC				COT:	.01
District:	SC				NOXT:	.152
COID:	LA				SOXT:	.181
DISN:	SOUTH COAST AQMD				PMT:	.001
CHAPIS:					PM10T:	.014
						.014
 <u>2007 Toxic Data</u>						
Facility ID:	10760				COID:	LA
Facility SIC Code:	7216				DISN:	SOUTH COAST AQMD
CO:	19				CHAPIS:	
Air Basin:	SC				CERR Code:	
District:	SC					
TS:						
Health Risk Asmt:						
Non-Cancer Chronic Haz Ind:						
Non-Cancer Acute Haz Ind:						
<hr/>						
17	5 of 17	SE	0.02 / 87.89	791.17 / -2	BRYANS CLEANERS & DYERS INC 544 S. ARROYO PARKWAY PASADENA CA 91101	EMISSIONS
 <u>1987 Criteria Data</u>						
Facility ID:	10760				CERR Code:	
Facility SIC Code:	7216				TOGT:	8
CO:	19				ROGT:	1.5
Air Basin:	SC				COT:	
District:	SC				NOXT:	
COID:	LA				SOXT:	
DISN:	SOUTH COAST AQMD				PMT:	
CHAPIS:					PM10T:	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<u>1987 Toxic Data</u>						
Facility ID:	10760			COID:	LA	
Facility SIC Code:	7216			DISN:	SOUTH COAST AQMD	
CO:	19			CHAPIS:		
Air Basin:	SC			CERR Code:		
District:	SC					
TS:						
Health Risk Asmt:						
Non-Cancer Chronic Haz Ind:						
Non-Cancer Acute Haz Ind:						

17	6 of 17	SE	0.02 / 87.89	791.17 / -2	BRYAN'S CLEANERS & DYERS INC 544 S ARROYO PARKWAY PASADENA CA 91105	EMISSIONS
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1990 Criteria Data

Facility ID:	10760	CERR Code:	
Facility SIC Code:	7216	TOGT:	9
CO:	19	ROGT:	0
Air Basin:	SC	COT:	0
District:	SC	NOXT:	0
COID:	LA	SOXT:	
DISN:	SOUTH COAST AQMD	PMT:	0
CHAPIS:		PM10T:	0

1990 Toxic Data

Facility ID:	10760	COID:	LA
Facility SIC Code:	7216	DISN:	SOUTH COAST AQMD
CO:	19	CHAPIS:	
Air Basin:	SC	CERR Code:	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

1997 Criteria Data

Facility ID:	10760	CERR Code:	
Facility SIC Code:	7216	TOGT:	1.758
CO:	19	ROGT:	.0139359
Air Basin:	SC	COT:	.069
District:	SC	NOXT:	.257
COID:	LA	SOXT:	.002
DISN:	SOUTH COAST AQMD	PMT:	.015
CHAPIS:		PM10T:	.015

1997 Toxic Data

Facility ID:	10760	COID:	LA
Facility SIC Code:	7216	DISN:	SOUTH COAST AQMD
CO:	19	CHAPIS:	
Air Basin:	SC	CERR Code:	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Non-Cancer Acute Haz Ind:

1998 Criteria Data

Facility ID:	10760	CERR Code:	
Facility SIC Code:	7216	TOGT:	1.76
CO:	19	ROGT:	.0147805
Air Basin:	SC	COT:	.069
District:	SC	NOXT:	.257
COID:	LA	SOXT:	.002
DISN:	SOUTH COAST AQMD	PMT:	.015
CHAPIS:		PM10T:	.015

1998 Toxic Data

Facility ID:	10760	COID:	LA
Facility SIC Code:	7216	DISN:	SOUTH COAST AQMD
CO:	19	CHAPIS:	
Air Basin:	SC	CERR Code:	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

1999 Criteria Data

Facility ID:	10760	CERR Code:	
Facility SIC Code:	7216	TOGT:	1.758
CO:	19	ROGT:	.0139359
Air Basin:	SC	COT:	.069
District:	SC	NOXT:	.257
COID:	LA	SOXT:	.002
DISN:	SOUTH COAST AQMD	PMT:	.015
CHAPIS:		PM10T:	.015

1999 Toxic Data

Facility ID:	10760	COID:	LA
Facility SIC Code:	7216	DISN:	SOUTH COAST AQMD
CO:	19	CHAPIS:	
Air Basin:	SC	CERR Code:	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2000 Criteria Data

Facility ID:	10760	CERR Code:	
Facility SIC Code:	7216	TOGT:	1.758
CO:	19	ROGT:	.01
Air Basin:	SC	COT:	.069
District:	SC	NOXT:	.257
COID:	LA	SOXT:	.002
DISN:	SOUTH COAST AQMD	PMT:	.015
CHAPIS:		PM10T:	.02

2000 Toxic Data

Facility ID:	10760	COID:	LA
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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Facility SIC Code:	7216				DISN:	SOUTH COAST AQMD
CO:	19				CHAPIS:	
Air Basin:	SC				CERR Code:	
District:	SC					
TS:						
Health Risk Asmt:						
Non-Cancer Chronic Haz Ind:						
Non-Cancer Acute Haz Ind:						

2001 Criteria Data

Facility ID:	10760	CERR Code:	
Facility SIC Code:	7216	TOGT:	1.76
CO:	19	ROGT:	1.22
Air Basin:	SC	COT:	.07
District:	SC	NOXT:	.26
COID:	LA	SOXT:	0
DISN:	SOUTH COAST AQMD	PMT:	.02
CHAPIS:		PM10T:	.02

2001 Toxic Data

Facility ID:	10760	COID:	LA
Facility SIC Code:	7216	DISN:	SOUTH COAST AQMD
CO:	19	CHAPIS:	
Air Basin:	SC	CERR Code:	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

17	7 of 17	SE	0.02 / 87.89	791.17 / -2	BRYANS CLEANERS INCORPORATED 544 SOUTH ARROYO PARKWAY PASADENA CA 91105	FED DRYCLEANERS
FRS Facility ID:	110002768906					
NPDES IDs:						
NAICS Codes:	81232 812320					
SIC Codes:						
Latitude:	34.13632					
Longitude:	-118.1473					

17	8 of 17	SE	0.02 / 87.89	791.17 / -2	BRYANS CLEANERS INCORPORATED 544 SOUTH ARROYO PARKWAY PASADENA CA 91105-2583	FINDS/FRS
Registry ID:	110002768906					
FIPS Code:	06037					
Program Acronyms:	CA-CERS, CA-ENVIROVIEW, EIS, HWTS-DATAMART, RCRAINFO					
HUC Code:	18070105					
Site Type Name:	STATIONARY					
Location Description:						
Supplemental Location:						
Create Date:	01-MAR-2000 00:00:00					
Update Date:	01-JUN-2017 17:15:34					
Interest Types:	AIR EMISSIONS CLASSIFICATION UNKNOWN, SQG, STATE MASTER					
SIC Codes:	7216					
SIC Code Descriptions:	DRYCLEANING PLANTS, EXCEPT RUG CLEANING					
NAICS Codes:	812320					
NAICS Code Descriptions:	DRYCLEANING AND LAUNDRY SERVICES (EXCEPT COIN-OPERATED).					
Conveyor:	FRS-GEOCODE					

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Federal Facility Code:						
Federal Agency Name:						
Tribal Land Code:						
Tribal Land Name:						
Congressional Dist No.:	29					
Census Block Code:	060374636024014					
EPA Region Code:	09					
County Name:	LOS ANGELES					
US/Mexico Border Ind:						
Latitude:	34.13632					
Longitude:	-118.1473					
Reference Point:	CENTER OF A FACILITY OR STATION					
Coord Collection Method:	ADDRESS MATCHING-HOUSE NUMBER					
Accuracy Value:	30					
Datum:	NAD83					
Source:						
Facility Detail Rprt URL:	http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110002768906					

17	9 of 17	SE	0.02 / 87.89	791.17 / -2	BRYANS CLEANERS INC 544 SO ARROYO PARKWAY PASADENA CA 91105	HHSS
County:		Los Angeles				
Pdf File Url:		http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002685e.pdf				

17	10 of 17	SE	0.02 / 87.89	791.17 / -2	544 S ARROYO PKWY PASADENA CA 911050000	HIST MANIFEST
Gen EPA ID:		CAD028891042				
Create Date:		02/03/1983 0:00				
Inact Date:		6/30/2002 0:00:00				
Facility Mail Street:		544 S ARROYO PKWY				
Facility Mail City:		PASADENA				
Facility Mail State:		CA				
Facility Mail Zip:		911050000				
Contact Phone(s):		6267964335				
File Year(s):		1983; 1984; 1985; 1986; 1988				
Contact Name(s):		SCOTT BELL				

Tanner Information

Method Description:	
Tons:	0.2
Year:	1986
Generator County Code:	19
Generator County:	Los Angeles
Method Code:	1
Tsd County Code:	0
Tsd County:	
State Waste Code:	
State Waste Code Desc:	
Tsd Epa ID:	

Tanner Information

Method Description:	
Tons:	0
Year:	1986
Generator County Code:	19
Generator County:	Los Angeles
Method Code:	
Tsd County Code:	19

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Tsd County: State Waste Code: State Waste Code Desc: Tsd Epa ID:		Los Angeles				
		CAD008302903				
<u>Tanner Information</u>						
Method Description:						
Tons:		0.2				
Year:		1986				
Generator County Code:		19				
Generator County:		Los Angeles				
Method Code:		R01				
Tsd County Code:		19				
Tsd County:		Los Angeles				
State Waste Code:		212				
State Waste Code Desc:		Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)				
Tsd Epa ID:		CAD008302903				
<u>Tanner Information</u>						
Method Description:						
Tons:		0				
Year:		1984				
Generator County Code:		19				
Generator County:		Los Angeles				
Method Code:						
Tsd County Code:		19				
Tsd County:		Los Angeles				
State Waste Code:						
State Waste Code Desc:						
Tsd Epa ID:		CAD008302903				
<u>Tanner Information</u>						
Method Description:						
Tons:		0.45				
Year:		1984				
Generator County Code:		19				
Generator County:		Los Angeles				
Method Code:		R01				
Tsd County Code:		19				
Tsd County:		Los Angeles				
State Waste Code:		213				
State Waste Code Desc:		Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)				
Tsd Epa ID:		CAD008302903				
<u>Tanner Information</u>						
Method Description:						
Tons:		0				
Year:		1988				
Generator County Code:		19				
Generator County:		Los Angeles				
Method Code:						
Tsd County Code:		0				
Tsd County:						
State Waste Code:						
State Waste Code Desc:						
Tsd Epa ID:		HAHQ36017252				
<u>Tanner Information</u>						

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Method Description:						
Tons:		1.08				
Year:		1984				
Generator County Code:		19				
Generator County:		Los Angeles				
Method Code:		R01				
Tsd County Code:		19				
Tsd County:		Los Angeles				
State Waste Code:		211				
State Waste Code Desc:		Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)				
Tsd Epa ID:		CAD008302903				
Tanner Information						
Method Description:						
Tons:		0				
Year:		1983				
Generator County Code:		19				
Generator County:		Los Angeles				
Method Code:						
Tsd County Code:		19				
Tsd County:		Los Angeles				
State Waste Code:						
State Waste Code Desc:						
Tsd Epa ID:		CAD008302903				
Tanner Information						
Method Description:						
Tons:		46.58				
Year:		1986				
Generator County Code:		19				
Generator County:		Los Angeles				
Method Code:		99				
Tsd County Code:		0				
Tsd County:						
State Waste Code:		252				
State Waste Code Desc:		Other still bottom waste				
Tsd Epa ID:						
Tanner Information						
Method Description:						
Tons:		0.22				
Year:		1988				
Generator County Code:		19				
Generator County:		Los Angeles				
Method Code:		1				
Tsd County Code:		0				
Tsd County:						
State Waste Code:		213				
State Waste Code Desc:		Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)				
Tsd Epa ID:		HAHQ36017252				
Tanner Information						
Method Description:						
Tons:		0.41				
Year:		1983				
Generator County Code:		19				
Generator County:		Los Angeles				
Method Code:		R01				
Tsd County Code:		19				
Tsd County:		Los Angeles				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
State Waste Code:		211				
State Waste Code Desc:		Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)				
Tsd Epa ID:		CAD008302903				
<u>Tanner Information</u>						
Method Description:						
Tons:		0.22				
Year:		1986				
Generator County Code:		19				
Generator County:		Los Angeles				
Method Code:		99				
Tsd County Code:		0				
Tsd County:						
State Waste Code:		212				
State Waste Code Desc:		Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)				
Tsd Epa ID:						
<u>Tanner Information</u>						
Method Description:						
Tons:		0.2				
Year:		1983				
Generator County Code:		19				
Generator County:		Los Angeles				
Method Code:		1				
Tsd County Code:		19				
Tsd County:		Los Angeles				
State Waste Code:		21				
State Waste Code Desc:						
Tsd Epa ID:		CAD008302903				
<u>Tanner Information</u>						
Method Description:						
Tons:		0				
Year:		1985				
Generator County Code:		19				
Generator County:		Los Angeles				
Method Code:						
Tsd County Code:		19				
Tsd County:		Los Angeles				
State Waste Code:						
State Waste Code Desc:						
Tsd Epa ID:		CAD008302903				
<u>Tanner Information</u>						
Method Description:						
Tons:		0.22				
Year:		1985				
Generator County Code:		19				
Generator County:		Los Angeles				
Method Code:		UNK				
Tsd County Code:		19				
Tsd County:		Los Angeles				
State Waste Code:		211				
State Waste Code Desc:		Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)				
Tsd Epa ID:		CAD008302903				

Tanner Information

Method Description:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Tons: 0 Year: 1986 Generator County Code: 19 Generator County: Los Angeles Method Code: Tsd County Code: 0 Tsd County: State Waste Code: State Waste Code Desc: Tsd Epa ID:						
17	11 of 17	SE	0.02 / 87.89	791.17 / -2	544 SOUTH ARROYO PARKWAY PASADENA CA 911050000	HIST MANIFEST
Gen EPA ID: CAC000142861 Create Date: 1/13/1989 0:00:00 Inact Date: 10/25/2000 0:00:00 Facility Mail Street: 544 SOUTH ARROYO PARKWAY Facility Mail City: PASADENA Facility Mail State: CA Facility Mail Zip: 911050000 Contact Phone(s): 8187964335 File Year(s): 1989 Contact Name(s): LORRAINE JACKSON, SECTY						
<u>Tanner Information</u>						
Method Description: Tons: 0 Year: 1989 Generator County Code: 19 Generator County: Los Angeles Method Code: Tsd County Code: 42 Tsd County: Santa Barbara State Waste Code: State Waste Code Desc: Tsd Epa ID: CAD020748125						
<u>Tanner Information</u>						
Method Description: Tons: 0.83 Year: 1989 Generator County Code: 19 Generator County: Los Angeles Method Code: R01 Tsd County Code: 15 Tsd County: Kern State Waste Code: 221 State Waste Code Desc: Waste oil and mixed oil Tsd Epa ID: CAD980883177						
<u>Tanner Information</u>						
Method Description: Tons: 24.44 Year: 1989 Generator County Code: 19 Generator County: Los Angeles Method Code: D80 Tsd County Code: 42 Tsd County: Santa Barbara State Waste Code: 611						

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
State Waste Code Desc:		Contaminated soil from site clean-up				
Tsd Epa ID:		CAD020748125				
<u>Tanner Information</u>						
Method Description:						
Tons:		0				
Year:		1989				
Generator County Code:		19				
Generator County:		Los Angeles				
Method Code:						
Tsd County Code:		15				
Tsd County:		Kern				
State Waste Code:						
State Waste Code Desc:						
Tsd Epa ID:		CAD980883177				
17	12 of 17	SE	0.02 / 87.89	791.17 / -2	544 S ARROYO PKWY PASADENA CA 91105	LA HMS
Site No:		011503				
Area:		3J				
<u>--Details--</u>						
File No:		011548				
File Name:		BRYANS CLEANERS INC				
Status Code:		REM				
Status Desc:		Equipment Removed				
Permit No:		00003104T				
Permit Category:		T				
Permit Category Desc:		Underground Storage Tank				
Permit Status Code:		REM				
Permit Status Desc:		Equipment Removed				
Permit Type:		0				
Permit Type Desc:		Underground Storage Tank Operating Permit				
17	13 of 17	SE	0.02 / 87.89	791.17 / -2	BRYAN'S CLEANERS INC. 544 SO ARROYO PARKWAY PASADENA CA	HIST TANK
Owner Name:		BRYAN'S CLEANERS INC.		No of Containers:		4
Owner Street:		544 SO ARROYO PARKWAY		County:		LOS ANGELES
Owner City:		PASADENA		Facility State:		CA
Owner State:		CA		Facility Zip:		91105
Owner Zip:		91105				
17	14 of 17	SE	0.02 / 87.89	791.17 / -2	1X BRIAN'S CLEANING INC. 544 SOUTH ARROYO PARKWAY PASADENA CA 911050000	HAZNET
SIC Code:				Mailing City:		PASADENA
NAICS Code:				Mailing State:		CA
EPA ID:		CAC000142861		Mailing Zip:		911050000
Create Date:		1/13/1989		Region Code:		3
Fac Act Ind:		No		Owner Name:		WILLIAM BELL
Inact Date:		10/25/2000		Owner Addr 1:		--
County Code:		19		Owner Addr 2:		--
County Name:		Los Angeles		Owner City:		--
Mail Name:				Owner State:		99
Mailing Addr 1:		544 SOUTH ARROYO PARKWAY		Owner Zip:		--
Mailing Addr 2:				Owner Phone:		0000000000

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Owner Fax:						
Contact Information						
--	--	--	--	--	--	--
Contact Name:		LORRAINE JACKSON, SECTY				
Street Address 1:		--				
Street Address 2:						
City:		--				
State:		99				
Zip:		--				
Phone:		8187964335				
--	--	--				

17	15 of 17	SE	0.02 / 87.89	791.17 / -2	BRYAN'S CLEANERS & DYERS INC 544 S ARROYO PKWY PASADENA CA 911050000	HAZNET
SIC Code:	7211,7212,7216,7219,7389			Mailing City:	PASADENA	
NAICS Code:	81232			Mailing State:	CA	
EPA ID:	CAD981991391			Mailing Zip:	911050000	
Create Date:	7/3/1987			Region Code:	3	
Fac Act Ind:	Yes			Owner Name:	SCOTT BELL	
Inact Date:				Owner Addr 1:	535 MONTE VISTA ROAD	
County Code:	19			Owner Addr 2:		
County Name:	Los Angeles			Owner City:	ARCADIA	
Mail Name:				Owner State:	CA	
Mailing Addr 1:	544 S ARROYO PKWY			Owner Zip:	910070000	
Mailing Addr 2:				Owner Phone:	6267964335	
Owner Fax:	0000000000					

Contact Information

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Contact Name: SCOTT BELL/PRES

Street Address 1: 544 S ARROYO PKWY

Street Address 2:

City: PASADENA

State: CA

Zip: 91105

Phone: 6267964335

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Tanner Information

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Generator EPA ID: CAD981991391

Generator County Code: 19

Generator County: Los Angeles

TSD EPA ID: OHD980587364

TSD County Code: 99

TSD County: Unknown

State Waste Code: 741

State Waste Code Desc.: Liquids with halogenated organic compounds >= 1,000 Mg./L

Method Code: ***

Method Description: Invalid disposal code

Tons: 0.96

Year: 2000

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Generator EPA ID: CAD981991391

Generator County Code: 19

Generator County: Los Angeles

TSD EPA ID: CAT000613893

TSD County Code: 19

TSD County: Los Angeles

State Waste Code: 741

State Waste Code Desc.: Liquids with halogenated organic compounds >= 1,000 Mg./L

Method Code: H01

Method Description: Transfer station

Tons: 4.73

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Year:		2001				
--		--				
Generator EPA ID:		CAD981991391				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAT000613893				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		741				
State Waste Code Desc.:		Liquids with halogenated organic compounds >= 1,000 Mg./L				
Method Code:		H01				
Method Description:		Transfer station				
Tons:		3.0255				
Year:		2002				
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Generator EPA ID:		CAD981991391				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAT000613893				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		741				
State Waste Code Desc.:		Liquids with halogenated organic compounds >= 1,000 Mg./L				
Method Code:						
Method Description:						
Tons:		0.49				
Year:		2002				
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Generator EPA ID:		CAD981991391				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAT000613893				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		741				
State Waste Code Desc.:		Liquids with halogenated organic compounds >= 1,000 Mg./L				
Method Code:						
Method Description:						
Tons:		0.315				
Year:		2003				
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Generator EPA ID:		CAD981991391				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAT000613893				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		741				
State Waste Code Desc.:		Liquids with halogenated organic compounds >= 1,000 Mg./L				
Method Code:		H01				
Method Description:		Transfer station				
Tons:		2.6125				
Year:		2003				
--		--				
Generator EPA ID:		CAD981991391				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAT000613893				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		741				
State Waste Code Desc.:		Liquids with halogenated organic compounds >= 1,000 Mg./L				
Method Code:		H01				
Method Description:		Transfer station				
Tons:		3.7385				
Year:		2004				
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Generator EPA ID:		CAD981991391				
Generator County Code:		19				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Generator County:		Los Angeles				
TSD EPA ID:		CAT000613893				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:						
State Waste Code Desc.:						
Method Code:		H01				
Method Description:		Transfer station				
Tons:						
Year:		2004				
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Generator EPA ID:		CAD981991391				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAT000613893				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		741				
State Waste Code Desc.:		Liquids with halogenated organic compounds >= 1,000 Mg./L				
Method Code:		H01				
Method Description:		Transfer station				
Tons:		2.0358				
Year:		2005				
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Generator EPA ID:		CAD981991391				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAT000613893				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:						
State Waste Code Desc.:						
Method Code:		H01				
Method Description:		Transfer station				
Tons:						
Year:		2005				
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Generator EPA ID:		CAD981991391				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAT000613893				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:						
State Waste Code Desc.:						
Method Code:		H01				
Method Description:		Transfer station				
Tons:						
Year:		2006				
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Generator EPA ID:		CAD981991391				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAT000613893				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		741				
State Waste Code Desc.:		Liquids with halogenated organic compounds >= 1,000 Mg./L				
Method Code:		H01				
Method Description:		Transfer station				
Tons:		0.6				
Year:		2006				
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Generator EPA ID:		CAD981991391				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		TXD077603371				
TSD County Code:		99				
TSD County:		Unknown				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
State Waste Code:		331				
State Waste Code Desc.:		Off-specification, aged or surplus organics				
Method Code:		H061				
Method Description:		FUEL BLENDING PRIOR TO ENERGY RECOVERY AT ANOTHER SITE				
Tons:		0.35				
Year:		2006				
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Generator EPA ID:		CAD981991391				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAT000613893				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		741				
State Waste Code Desc.:		Liquids with halogenated organic compounds >= 1,000 Mg./L				
Method Code:		H141				
Method Description:		STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)				
Tons:		0.615				
Year:		2007				
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Generator EPA ID:		CAD981991391				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		TXD077603371				
TSD County Code:		99				
TSD County:		Unknown				
State Waste Code:		331				
State Waste Code Desc.:		Off-specification, aged or surplus organics				
Method Code:		H061				
Method Description:		FUEL BLENDING PRIOR TO ENERGY RECOVERY AT ANOTHER SITE				
Tons:		1.26				
Year:		2007				
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Generator EPA ID:		CAD981991391				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		OHD980587364				
TSD County Code:		99				
TSD County:		Unknown				
State Waste Code:		751				
State Waste Code Desc.:		Solids or sludges with halogenated organic compounds >= 1,000 Mg./L				
Method Code:		H020				
Method Description:		SOLVENTS RECOVERY				
Tons:		0.1				
Year:		2007				
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Generator EPA ID:		CAD981991391				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		NVT330010000				
TSD County Code:		99				
TSD County:		Unknown				
State Waste Code:		352				
State Waste Code Desc.:		Other organic solids				
Method Code:		H132				
Method Description:		LANDFILL OR SURFACE IMPOUNDMENT THAT WILL BE CLOSED AS LANDFILL(TO INCLUDE ON-SITE TREATMENT AND/OR STABILIZATION)				
Tons:		0.4				
Year:		2008				
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Generator EPA ID:		CAD981991391				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		TXD077603371				
TSD County Code:		99				
TSD County:		Unknown				
State Waste Code:		343				
State Waste Code Desc.:		Unspecified organic liquid mixture				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Method Code:						
Method Description:						
Tons:						
Year:		2008				
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Generator EPA ID:		CAD981991391				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		TXD077603371				
TSD County Code:		99				
TSD County:		Unknown				
State Waste Code:		331				
State Waste Code Desc.:		Off-specification, aged or surplus organics				
Method Code:		H061				
Method Description:		FUEL BLENDING PRIOR TO ENERGY RECOVERY AT ANOTHER SITE				
Tons:		0.915				
Year:		2008				
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Generator EPA ID:		CAD981991391				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		NVT330010000				
TSD County Code:		99				
TSD County:		Unknown				
State Waste Code:		352				
State Waste Code Desc.:		Other organic solids				
Method Code:		H132				
Method Description:		LANDFILL OR SURFACE IMPOUNDMENT THAT WILL BE CLOSED AS LANDFILL(TO INCLUDE ON-SITE TREATMENT AND/OR STABILIZATION)				
Tons:		0.2				
Year:		2009				
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Generator EPA ID:		CAD981991391				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		TXD077603371				
TSD County Code:		99				
TSD County:		Unknown				
State Waste Code:		331				
State Waste Code Desc.:		Off-specification, aged or surplus organics				
Method Code:		H061				
Method Description:		FUEL BLENDING PRIOR TO ENERGY RECOVERY AT ANOTHER SITE				
Tons:		0.954				
Year:		2009				
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Generator EPA ID:		CAD981991391				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		TXD077603371				
TSD County Code:		99				
TSD County:		Unknown				
State Waste Code:		343				
State Waste Code Desc.:		Unspecified organic liquid mixture				
Method Code:						
Method Description:						
Tons:						
Year:		2009				
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Generator EPA ID:		CAD981991391				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		TXD077603371				
TSD County Code:		99				
TSD County:		Unknown				
State Waste Code:		331				
State Waste Code Desc.:		Off-specification, aged or surplus organics				
Method Code:						
Method Description:						
Tons:		0.175				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Year:		2010				
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Generator EPA ID:		CAD981991391				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		TXD077603371				
TSD County Code:		99				
TSD County:		Unknown				
State Waste Code:		331				
State Waste Code Desc.:		Off-specification, aged or surplus organics				
Method Code:		H061				
Method Description:		FUEL BLENDING PRIOR TO ENERGY RECOVERY AT ANOTHER SITE				
Tons:		1.1				
Year:		2010				
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Generator EPA ID:		CAD981991391				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		NVT330010000				
TSD County Code:		99				
TSD County:		Unknown				
State Waste Code:		352				
State Waste Code Desc.:		Other organic solids				
Method Code:		H132				
Method Description:		LANDFILL OR SURFACE IMPOUNDMENT THAT WILL BE CLOSED AS LANDFILL(TO INCLUDE ON-SITE TREATMENT AND/OR STABILIZATION)				
Tons:		0.3				
Year:		2010				
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Generator EPA ID:		CAD981991391				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		TXD077603371				
TSD County Code:		99				
TSD County:		Unknown				
State Waste Code:		331				
State Waste Code Desc.:		Off-specification, aged or surplus organics				
Method Code:		H061				
Method Description:		FUEL BLENDING PRIOR TO ENERGY RECOVERY AT ANOTHER SITE				
Tons:		0.8				
Year:		2011				
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Generator EPA ID:		CAD981991391				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		TXD077603371				
TSD County Code:		99				
TSD County:		Unknown				
State Waste Code:						
State Waste Code Desc.:						
Method Code:		H061				
Method Description:		FUEL BLENDING PRIOR TO ENERGY RECOVERY AT ANOTHER SITE				
Tons:		0.175				
Year:		2011				
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Generator EPA ID:		CAD981991391				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		NVT330010000				
TSD County Code:		99				
TSD County:		Unknown				
State Waste Code:		352				
State Waste Code Desc.:		Other organic solids				
Method Code:		H132				
Method Description:		LANDFILL OR SURFACE IMPOUNDMENT THAT WILL BE CLOSED AS LANDFILL(TO INCLUDE ON-SITE TREATMENT AND/OR STABILIZATION)				
Tons:		0.15				
Year:		2011				
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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Generator EPA ID:		CAD981991391				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		TXD077603371				
TSD County Code:		99				
TSD County:		Unknown				
State Waste Code:		331				
State Waste Code Desc.:		Off-specification, aged or surplus organics				
Method Code:		H061				
Method Description:		FUEL BLENDING PRIOR TO ENERGY RECOVERY AT ANOTHER SITE				
Tons:		0.8315				
Year:		2012				
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Generator EPA ID:		CAD981991391				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAD980675276				
TSD County Code:		15				
TSD County:		Kern				
State Waste Code:		352				
State Waste Code Desc.:		Other organic solids				
Method Code:		H132				
Method Description:		LANDFILL OR SURFACE IMPOUNDMENT THAT WILL BE CLOSED AS LANDFILL(TO INCLUDE ON-SITE TREATMENT AND/OR STABILIZATION)				
Tons:		0.12				
Year:		2013				
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Generator EPA ID:		CAD981991391				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		NED981723513				
TSD County Code:		99				
TSD County:		Unknown				
State Waste Code:		331				
State Waste Code Desc.:		Off-specification, aged or surplus organics				
Method Code:		H040				
Method Description:		INCINERATION--THERMAL DESTRUCTION OTHER THAN USE AS A FUEL				
Tons:		0.494				
Year:		2013				
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Generator EPA ID:		CAD981991391				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		TXD077603371				
TSD County Code:		99				
TSD County:		Unknown				
State Waste Code:		331				
State Waste Code Desc.:		Off-specification, aged or surplus organics				
Method Code:		H061				
Method Description:		FUEL BLENDING PRIOR TO ENERGY RECOVERY AT ANOTHER SITE				
Tons:		0.363				
Year:		2013				
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Generator EPA ID:		CAD981991391				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAD044429835				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		141				
State Waste Code Desc.:		Off-specification, aged or surplus inorganics				
Method Code:		H141				
Method Description:		STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)				
Tons:		0.025				
Year:		2014				
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Generator EPA ID:		CAD981991391				
Generator County Code:		19				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Generator County:		Los Angeles				
TSD EPA ID:		CAD044429835				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		213				
State Waste Code Desc.:		Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)				
Method Code:		H141				
Method Description:		STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)				
Tons:		0.0375				
Year:		2014				
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Generator EPA ID:		CAD981991391				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAD044429835				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		331				
State Waste Code Desc.:		Off-specification, aged or surplus organics				
Method Code:		H141				
Method Description:		STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)				
Tons:		0.025				
Year:		2014				
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Generator EPA ID:		CAD981991391				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAD044429835				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		352				
State Waste Code Desc.:		Other organic solids				
Method Code:		H141				
Method Description:		STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)				
Tons:		0.1				
Year:		2014				
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Generator EPA ID:		CAD981991391				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		NED981723513				
TSD County Code:		99				
TSD County:		Unknown				
State Waste Code:		331				
State Waste Code Desc.:		Off-specification, aged or surplus organics				
Method Code:		H040				
Method Description:		INCINERATION--THERMAL DESTRUCTION OTHER THAN USE AS A FUEL				
Tons:		0.3275				
Year:		2014				
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Generator EPA ID:		CAD981991391				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		NED981723513				
TSD County Code:		99				
TSD County:		Unknown				
State Waste Code:		331				
State Waste Code Desc.:		Off-specification, aged or surplus organics				
Method Code:		H040				
Method Description:		INCINERATION--THERMAL DESTRUCTION OTHER THAN USE AS A FUEL				
Tons:		0.449				
Year:		2015				
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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
17	16 of 17	SE	0.02 / 87.89	791.17 / -2	BRYAN'S CLEANERS 544 S ARROYO PKWY PASADENA CA 911050000	HAZNET
SIC Code:		7389		Mailing City:		PASADENA
NAICS Code:		81232		Mailing State:		CA
EPA ID:		CAD028891042		Mailing Zip:		911050000
Create Date:		2/3/1983		Region Code:		3
Fac Act Ind:		No		Owner Name:		WILLIAM BELL
Inact Date:		6/30/2002		Owner Addr 1:		544 S ARROYO PKWY
County Code:		19		Owner Addr 2:		
County Name:		Los Angeles		Owner City:		PASADENA
Mail Name:				Owner State:		CA
Mailing Addr 1:		544 S ARROYO PKWY		Owner Zip:		--
Mailing Addr 2:				Owner Phone:		0000000000
Owner Fax:						
Contact Information						
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Contact Name:		SCOTT BELL				
Street Address 1:		544 S ARROYO PKWY				
Street Address 2:						
City:		PASADENA				
State:		CA				
Zip:		--				
Phone:		6267964335				
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Tanner Information						
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Generator EPA ID:		CAD028891042				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAD981397417				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		211				
State Waste Code Desc.:		Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)				
Method Code:						
Method Description:						
Tons:		1.0908				
Year:		1995				
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Generator EPA ID:		CAD028891042				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAD981397417				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		211				
State Waste Code Desc.:		Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)				
Method Code:		R01				
Method Description:		Recycler				
Tons:		66.6592				
Year:		1995				
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Generator EPA ID:		CAD028891042				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAD981397417				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		211				
State Waste Code Desc.:		Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)				
Method Code:		R01				
Method Description:		Recycler				
Tons:		4.1646				
Year:		1996				
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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Generator EPA ID:		CAD028891042				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAD981397417				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		211				
State Waste Code Desc.:		Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)				
Method Code:		R01				
Method Description:		Recycler				
Tons:		4.0625				
Year:		1997				
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Generator EPA ID:		CAD028891042				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAD981397417				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		211				
State Waste Code Desc.:		Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)				
Method Code:		R01				
Method Description:		Recycler				
Tons:		2.9508				
Year:		1998				
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Generator EPA ID:		CAD028891042				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAD981397417				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		211				
State Waste Code Desc.:		Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)				
Method Code:		R01				
Method Description:		Recycler				
Tons:		4.1019				
Year:		1999				
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Generator EPA ID:		CAD028891042				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAD981397417				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		211				
State Waste Code Desc.:		Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)				
Method Code:		R01				
Method Description:		Recycler				
Tons:		1.1094				
Year:		2000				
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17	17 of 17	SE	0.02 / 87.89	791.17 / -2	BRYANS CLEANERS INC 544 S ARROYO PARKWAY PASADENA CA 91105	RCRA SQG
EPA Handler ID:		CAD981991391				
Gen Status Universe:		Small Quantity Generator				
Contact Name:		ENVIRONMENTAL MANAGER				
Contact Address:		544 S ARROYO PARKWAY , , PASADENA , CA, 91105 , US				
Contact Phone No and Ext:		818-796-4335				
Contact Email:						
Contact Country:		US				
County Name:		LOS ANGELES				
EPA Region:		09				
Land Type:		Other				
Receive Date:		19870312				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Violation/Evaluation Summary

Note: NO RECORDS: As of Dec 2018, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 19870312
Handler Name: BRYANS CLEANERS INC
Generator Status Universe: Small Quantity Generator
Source Type: Notification

Owner/Operator Details

Owner/Operator Ind:	Current Owner	Street No:	
Type:	Private	Street 1:	NOT REQUIRED
Name:	BRYAN GARNET	Street 2:	
Date Became Current:		City:	NOT REQUIRED
Date Ended Current:		State:	ME
Phone:	415-555-1212	Country:	
Source Type:	Notification	Zip Code:	99999

Owner/Operator Ind:	Current Operator	Street No:	
Type:	Private	Street 1:	NOT REQUIRED
Name:	NOT REQUIRED	Street 2:	
Date Became Current:		City:	NOT REQUIRED
Date Ended Current:		State:	ME
Phone:	415-555-1212	Country:	
Source Type:	Notification	Zip Code:	99999

18	1 of 2	SSW	0.02 / 98.23	784.20 / -9	SAN MARINO POOL & PATIO 100 E CALIFORNIA BLVD PASADENA CA 911050000	HAZNET
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SIC Code:		Mailing City:	PASADENA
NAICS Code:		Mailing State:	CA
EPA ID:	CAC001475832	Mailing Zip:	911050000
Create Date:	9/15/1999	Region Code:	3
Fac Act Ind:	No	Owner Name:	MICHAEL SERRANO
Inact Date:	10/25/2000	Owner Addr 1:	100 E CALIFORNIA BLVD
County Code:	19	Owner Addr 2:	
County Name:	Los Angeles	Owner City:	PASADENA
Mail Name:		Owner State:	CA

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<hr/>						
Mailing Addr 1:	100 E CALIFORNIA BLVD			Owner Zip:	911050000	
Mailing Addr 2:				Owner Phone:	6267954386	
Owner Fax:						
Contact Information						
--	--					
Contact Name:	DERRICK VICE/IDR ENV					
Street Address 1:	--					
Street Address 2:						
City:	--					
State:	99					
Zip:	--					
Phone:	6263347970					
--	--					
--	--					
Tanner Information						
--	--					
Generator EPA ID:	CAC001475832					
Generator County Code:	19					
Generator County:	Los Angeles					
TSD EPA ID:	CAT080033681					
TSD County Code:	19					
TSD County:	Los Angeles					
State Waste Code:	791					
State Waste Code Desc.:	Liquids with pH <= 2					
Method Code:	R01					
Method Description:	Recycler					
Tons:	0.2085					
Year:	1999					
--	--					
<hr/>						
18	2 of 2	SSW	0.02 / 98.23	784.20 / -9	100 E CALIFORNIA 100 E CALIFORNIA BLVD PASADENA CA 91105	LA SML
Site ID:	SD0000505					
Case ID:	RO0001505					
Status:						
<hr/>						
19	1 of 4	NNE	0.02 / 120.98	800.05 / 6	T-Mobile West, LLC IE24799A 411 S ARROYO PKWY PASADENA CA 91105	CERS HAZ
Site ID:	73439					
Latitude:	34.138653					
Longitude:	-118.147804					
<u>Regulated Programs</u>						
EI ID:	10310110			EI Description:	Chemical Storage Facilities	
<u>Violations</u>						
Violation Date:	3/25/2016					
Violation Division:	Pasadena Fire Department					
Violation Program:	HMRRP					
Violation Source:	CERS					
Citation:	HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2					
Violation Notes:						

Returned to compliance on 04/14/2016.; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Failure to annually review and electronically certify that the business plan is complete, accurate, and up-to-date.

Violations

Violation Date: 3/25/2016
Violation Division: Pasadena Fire Department
Violation Program: HMRRP
Violation Source: CERS
Citation: HSC 6.95 25508.1(a)-(e) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(e)
Violation Notes:

Returned to compliance on 04/14/2016.; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to electronically update business plan within 30 days of any one of the following events:
 A 100 percent or more increase in the quantity of a previously disclosed material.
 Any handling of a previously undisclosed hazardous materials at or above reportable quantities.
 A change of business address, business ownership, or business name.

Violations

Violation Date: 3/25/2016
Violation Division: Pasadena Fire Department
Violation Program: HMRRP
Violation Source: CERS
Citation: HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Notes:

Returned to compliance on 04/14/2016.; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.

Violations

Violation Date: 3/25/2016
Violation Division: Pasadena Fire Department
Violation Program: HMRRP
Violation Source: CERS
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Notes:

Returned to compliance on 04/14/2016.; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to establish and electronically submit an adequate emergency response plan and procedures for a release or threatened release of a hazardous material.

Violations

Violation Date: 3/25/2016
Violation Division: Pasadena Fire Department
Violation Program: HMRRP
Violation Source: CERS
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Notes:

Returned to compliance on 04/14/2016.; Note: data in [Violation Notes] field for some records is truncated from the source.

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Violation Description:

Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.

Violations

Violation Date: 3/25/2016
Violation Division: Pasadena Fire Department
Violation Program: HMRRP
Violation Source: CERS
Citation: 19 CCR 6.95 25508(a)(1) - California Code of Regulations, Title 19, Chapter 6.95, Section(s) 25508(a)(1)
Violation Notes:

Returned to compliance on 04/14/2016.; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to complete and electronically submit the Business Activities Page and/or Business Owner Operator Identification Page.

Violations

Violation Date: 3/25/2016
Violation Division: Pasadena Fire Department
Violation Program: HMRRP
Violation Source: CERS
Citation: HSC 6.95 25508(d) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(d)
Violation Notes:

Returned to compliance on 04/14/2016.; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to complete and/or electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.

Violations

Violation Date: 3/25/2016
Violation Division: Pasadena Fire Department
Violation Program: HMRRP
Violation Source: CERS
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Notes:

Returned to compliance on 04/14/2016.; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to complete and electronically submit a site map with all required content.

Violations

Violation Date: 3/25/2016
Violation Division: Pasadena Fire Department
Violation Program: HMRRP
Violation Source: CERS
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Notes:

Returned to compliance on 04/14/2016.; Note: data in [Violation Notes] field for some records is truncated from the source.

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Violation Description:

Failure to establish and electronically submit an adequate training program in safety procedures in the event of a release or threatened release of a hazardous material.

Evaluations

Eval Date: 3/25/2016
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Pasadena Fire Department
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

; Note: data in [EVAL Notes] field for some records is truncated from the source.

Affiliations

Affil Type Desc: Operator
Entity Name: T-MOBILE WEST, LLC
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone: (805) 584-5723

Affil Type Desc: CUPA District
Entity Name: Los Angeles County Fire
Entity Title:
Address: 5825 Rickenbacker Road
City: Commerce
State: CA
Country:
Zip Code: 90040-3027
Phone: (323) 890-4045

Affil Type Desc: Environmental Contact
Entity Name: Kathrine Tsarukyan
Entity Title:
Address: 4100 Guardian Street, Suite 101
City: Simi Valley
State: CA
Country:
Zip Code: 93063
Phone: (805) 584-5723

Affil Type Desc: Parent Corporation
Entity Name: T-MOBILE WEST, LLC
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: Legal Owner
Entity Name: T-MOBILE WEST, LLC
Entity Title:
Address: 12920 SE 38th Street
City: Bellevue

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
State: WA Country: United States Zip Code: 98006 Phone: (425) 383-4000 Affil Type Desc: Document Preparer Entity Name: Kelly Michaels Entity Title: Address: City: State: Country: Zip Code: Phone: Affil Type Desc: Identification Signer Entity Name: Kelly Michaels Entity Title: Project Manager Address: City: State: Country: Zip Code: Phone: Affil Type Desc: Facility Mailing Address Entity Name: Mailing Address Entity Title: Address: 4100 Guardian Street, Suite 101 City: Simi Valley State: CA Country: Zip Code: 93063 Phone:						
<u>Coordinates</u>						
Env Int Type Code:	HMBP			Longitude:	-118.147800	
Program ID:	10310110			Coord Name:		
Latitude:	34.138650			Ref Point Type Desc:	Center of a facility or station.	
19	2 of 4	NNE	0.02 / 120.98	800.05 / 6	T-MOBILE WEST CORPORATION IE24799A 411 S ARROYO PKWY PASADENA CA 91105	FINDS/FRS
Registry ID: 110065132298 FIPS Code: Program Acronyms: CA-ENVIROVIEW HUC Code: 18070105 Site Type Name: STATIONARY Location Description: Supplemental Location: Create Date: 10-OCT-2015 09:24:01 Update Date: Interest Types: STATE MASTER SIC Codes: 4812 SIC Code Descriptions: RADIOTELEPHONE COMMUNICATIONS NAICS Codes: 517212 NAICS Code Descriptions: CELLULAR AND OTHER WIRELESS TELECOMMUNICATIONS. Conveyor: FRS-GEocode Federal Facility Code: Federal Agency Name: Tribal Land Code: Tribal Land Name: Congressional Dist No.: 29 Census Block Code: 060374636024001						

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
EPA Region Code:		09				
County Name:		LOS ANGELES				
US/Mexico Border Ind:						
Latitude:		34.13865				
Longitude:		-118.14781				
Reference Point:		CENTER OF A FACILITY OR STATION				
Coord Collection Method:		ADDRESS MATCHING-HOUSE NUMBER				
Accuracy Value:		30				
Datum:		NAD83				
Source:						
Facility Detail Rprt URL:		http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110065132298				

19	3 of 4	NNE	0.02 / 120.98	800.05 / 6	411 S ARROYO PKWY PASADENA CA 91105	LA HMS
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Site No: 014631
Area: 3J

--Details--

File No: 015271
File Name: CORNET STORES
Status Code: OPEN
Status Desc: File Opened, no permit exists
Permit No:
Permit Category:
Permit Category Desc:
Permit Status Code:
Permit Status Desc:
Permit Type:
Permit Type Desc:

19	4 of 4	NNE	0.02 / 120.98	800.05 / 6	ARROYO STORAGE LLC 411 ARROYO PARKWAY PASADENA CA 911050000	HAZNET
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SIC Code:		Mailing City:	SHERMAN OAKS
NAICS Code:		Mailing State:	CA
EPA ID:	CAC001172008	Mailing Zip:	914130000
Create Date:	5/6/1998	Region Code:	3
Fac Act Ind:	No	Owner Name:	ARROYO STORAGE LLC
Inact Date:	10/25/2000	Owner Addr 1:	PO BOX 5637
County Code:	19	Owner Addr 2:	
County Name:	Los Angeles	Owner City:	SHERMAN OAKS
Mail Name:		Owner State:	CA
Mailing Addr 1:	PO BOX 5637	Owner Zip:	914130000
Mailing Addr 2:		Owner Phone:	8189896200
Owner Fax:			

Contact Information

--
Contact Name: VIRGIL CICORIA/CONTRACTOR
Street Address 1: PO BOX 5637
Street Address 2:
City: SHERMAN OAKS
State: CA
Zip: 914130000
Phone: 3108301570
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Tanner Information

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Generator EPA ID: CAC001172008
Generator County Code: 19

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Generator County:		Los Angeles				
TSD EPA ID:		CAT080013352				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		241				
State Waste Code Desc.:		Tank bottom waste				
Method Code:		R01				
Method Description:		Recycler				
Tons:		0.417				
Year:		1998				
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20	1 of 1	S	0.02 / 131.83	782.44 / -11	ARROYO CAR WASH CORP 605 S ARROYO PKWY PASADENA CA 91105	UST
Facility ID:		LACoFA0003316		Latitude:		34.13556
Permitting Agency:		Los Angeles County Fire Department		Longitude:		-118.14748
County:		Los Angeles				
21	1 of 9	SSE	0.04 / 190.24	781.43 / -12	ARROYO CAR WASH CORP 605 S ARROYO PKWY PASADENA CA 91105	CERS TANK
Site ID:		6955				
Latitude:		34.135559				
Longitude:		-118.147480				
<u>Regulated Programs</u>						
EI ID:		10309774				
EI Description:		Underground Storage Tank				
EI ID:		10309774				
EI Description:		Chemical Storage Facilities				
<u>Affiliations</u>						
Affil Type Desc:		CUPA District				
Entity Name:		Los Angeles County Fire				
Entity Title:						
Address:		5825 Rickenbacker Road				
City:		Commerce				
State:		CA				
Country:						
Zip Code:		90040-3027				
Phone:		(323) 890-4045				
Affil Type Desc:		Property Owner				
Entity Name:		Allen Chu				
Entity Title:						
Address:						
City:						
State:						
Country:		United States				
Zip Code:						
Phone:		(626) 795-9368				
Affil Type Desc:		UST Property Owner Name				
Entity Name:		Allen Chu				
Entity Title:						
Address:		605 S. Arroyo Parkway				
City:		Pasadena				
State:		Ca				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Country: Zip Code: Phone:		United States 91105 (626) 795-9368				
Affil Type Desc: Entity Name: Entity Title: Address: City: State: Country: Zip Code: Phone:		Parent Corporation ARROYO CAR WASH CORP				
Affil Type Desc: Entity Name: Entity Title: Address: City: State: Country: Zip Code: Phone:		Operator Allen Chu				
Affil Type Desc: Entity Name: Entity Title: Address: City: State: Country: Zip Code: Phone:		UST Tank Owner Allen Chu 605 S. Arroyo Parkway Pasadena Ca United States 91105 (626) 795-9368				
Affil Type Desc: Entity Name: Entity Title: Address: City: State: Country: Zip Code: Phone:		UST Permit Applicant Allen Chu President (626) 795-9368				
Affil Type Desc: Entity Name: Entity Title: Address: City: State: Country: Zip Code: Phone:		UST Tank Operator Allen Chu 605 S. Arroyo Parkway Pasadena Ca United States 91105 (626) 795-9368				
Affil Type Desc: Entity Name: Entity Title: Address: City: State: Country: Zip Code: Phone:		Facility Mailing Address Mailing Address 605 S. Arroyo Parkway Pasadena CA 91105				
Affil Type Desc: Entity Name: Entity Title: Address: City:		Legal Owner Allen Chu 605 S ARROYO PKWY PASADENA				

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction</i>	<i>Distance (mi/ft)</i>	<i>Elev/Diff (ft)</i>	<i>Site</i>	<i>DB</i>
State:		CA				
Country:		United States				
Zip Code:		91105				
Phone:		(626) 795-9368				
Affil Type Desc:		Environmental Contact				
Entity Name:		Allen Chu				
Entity Title:						
Address:		605 S ARROYO PKWY				
City:		PASADENA				
State:		CA				
Country:						
Zip Code:		91105				
Phone:		(626) 375-2367				

Coordinates

Env Int Type Code:	HMBP	Longitude:	-118.147480
Program ID:	10309774	Coord Name:	
Latitude:	34.135560	Ref Point Type Desc:	Center of a facility or station.

Evaluations

Eval Date:	6/15/2016
Violations Found:	No
Eval General Type:	Compliance Evaluation Inspection
Eval Type:	Routine done by local agency
Eval Division:	Pasadena Fire Department
Eval Program:	UST
Eval Source:	CERS
Eval Notes:	

; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date:	6/17/2015
Violations Found:	No
Eval General Type:	Compliance Evaluation Inspection
Eval Type:	Routine done by local agency
Eval Division:	Pasadena Fire Department
Eval Program:	UST
Eval Source:	CERS
Eval Notes:	

; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date:	6/19/2018
Violations Found:	No
Eval General Type:	Compliance Evaluation Inspection
Eval Type:	Routine done by local agency
Eval Division:	Pasadena Fire Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval Notes:	

; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date:	6/15/2016
Violations Found:	No
Eval General Type:	Compliance Evaluation Inspection
Eval Type:	Routine done by local agency
Eval Division:	Pasadena Fire Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval Notes:	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 6/15/2017
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Pasadena Fire Department
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 6/19/2018
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Pasadena Fire Department
Eval Program: UST
Eval Source: CERS
Eval Notes:

1. 87 FILL SUMP, 91 FILL SUMP, AND 91 STP SUMP SENSORS REPLACED VR205 TO VR208) WITHOUT PERMIT - MUST OBTAIN PERMIT 2. MUST UPDATE UST MONITORING PLAN TO REFLECT THE NEW SUMP SENSORS; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 6/17/2015
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Pasadena Fire Department
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 6/20/2014
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Pasadena Fire Department
Eval Program: UST
Eval Source: CERS
Eval Notes:

; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 6/20/2014
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Pasadena Fire Department
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 6/15/2017
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Eval Division:		Pasadena Fire Department				
Eval Program:		UST				
Eval Source:		CERS				
Eval Notes:						

; Note: data in [EVAL Notes] field for some records is truncated from the source.

Violations

Violation Date: 6/20/2014
Violation Division: Pasadena Fire Department
Citation: 23 CCR 16 2715(f) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(f)
Violation Notes:

Returned to compliance on 05/12/2015.; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to comply with one or more of the following: provide training to facility employee(s) responsible for proper operation and maintenance every 12 months

and/or

train new employee(s) who are responsible for proper operation and maintenance within 30-days of hire

and/or

to have at least one employee present during operating hours that has been trained in the proper operation and maintenance of the UST system.

21	2 of 9	SSE	0.04 / 190.24	781.43 / -12	ARROYO CAR WASH CORP 605 S ARROYO PKWY PASADENA CA 91105	FINDS/FRS
Registry ID:		110065362878				
FIPS Code:						
Program Acronyms:		CA-ENVIROVIEW				
HUC Code:		18070105				
Site Type Name:		STATIONARY				
Location Description:						
Supplemental Location:						
Create Date:		13-OCT-2015 07:41:35				
Update Date:						
Interest Types:		STATE MASTER				
SIC Codes:		5541				
SIC Code Descriptions:		GASOLINE SERVICE STATIONS				
NAICS Codes:						
NAICS Code Descriptions:						
Conveyor:		FRS-GEOCODE				
Federal Facility Code:						
Federal Agency Name:						
Tribal Land Code:						
Tribal Land Name:						
Congressional Dist No.:		29				
Census Block Code:		060374640005003				
EPA Region Code:		09				
County Name:		LOS ANGELES				
US/Mexico Border Ind:						
Latitude:		34.13556				
Longitude:		-118.147425				
Reference Point:		ENTRANCE POINT OF A FACILITY OR STATION				
Coord Collection Method:		ADDRESS MATCHING-HOUSE NUMBER				
Accuracy Value:		50				
Datum:		NAD83				
Source:						
Facility Detail Rprt URL:		http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110065362878				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
21	3 of 9	SSE	0.04 / 190.24	781.43 / -12	ARROYO CALIFORNIA CAR WASH 605 S. ARROYO PKWAY PASADENA CA 91105	HHSS
County:		Los Angeles				
Pdf File Url:		http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002655a.pdf				
21	4 of 9	SSE	0.04 / 190.24	781.43 / -12	605 S ARROYO PKWY PASADENA CA 91105	LA HMS
Site No:		011090				
Area:		3J				
--Details--						
File No:		011086				
File Name:		ARROYO CAR WASH				
Status Code:		REM				
Status Desc:		Equipment Removed				
Permit No:		00002574T				
Permit Category:		T				
Permit Category Desc:		Underground Storage Tank				
Permit Status Code:		REM				
Permit Status Desc:		Equipment Removed				
Permit Type:		0				
Permit Type Desc:		Underground Storage Tank Operating Permit				
21	5 of 9	SSE	0.04 / 190.24	781.43 / -12	ARROYO CALIFORNIA CAR WASH 605 S. ARROYO PKWAY PASADENA CA	HIST TANK
Owner Name:		ARROYO CAR WASH CORP		No of Containers:	4	
Owner Street:		605 S. ARROYO PKWAY		County:	LOS ANGELES	
Owner City:		PASADENA		Facility State:	CA	
Owner State:		CA		Facility Zip:	91105	
Owner Zip:		91105				
21	6 of 9	SSE	0.04 / 190.24	781.43 / -12	LUNG CHU 605 S ARROYA PKWY PASADENA CA 911050000	HAZNET
SIC Code:				Mailing City:	PASADENA	
NAICS Code:				Mailing State:	CA	
EPA ID:		CAC002328009		Mailing Zip:	911050000	
Create Date:		11/22/2000		Region Code:	3	
Fac Act Ind:		No		Owner Name:	LUNG CHU	
Inact Date:		9/11/2001		Owner Addr 1:	605 S ARROYA PKWY	
County Code:		19		Owner Addr 2:		
County Name:		Los Angeles		Owner City:	PASADENA	
Mail Name:				Owner State:	CA	
Mailing Addr 1:		605 S ARROYA PKWY		Owner Zip:	911050000	
Mailing Addr 2:				Owner Phone:	6267959368	
Owner Fax:						
Contact Information						
--		--				
Contact Name:		STACIE ROJO/CA HAZ SVCS				
Street Address 1:		--				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Street Address 2:						
City:		--				
State:		99				
Zip:		--				
Phone:		7144349995				
--		--				
--		--				
Tanner Information						
--		--				
Generator EPA ID:		CAC002328009				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAD028409019				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		181				
State Waste Code Desc.:		Other inorganic solid waste				
Method Code:						
Method Description:						
Tons:		0.8428				
Year:		2000				
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21	7 of 9	SSE	0.04 / 190.24	781.43 / -12	TOSCO UNOCAL DEALER 605 SO ARROYO PARKWAY PASADENA CA 911050000	HAZNET
SIC Code:						
NAICS Code:						
EPA ID:	CAC002212457	Mailing City:		PASADENA		
Create Date:	12/5/2000	Mailing State:		CA		
Fac Act Ind:	No	Mailing Zip:		911050000		
Inact Date:	9/11/2001	Region Code:		3		
County Code:	19	Owner Name:		LUNG TAI CHU		
County Name:	Los Angeles	Owner Addr 1:		605 SO ARROYO PARKWAY		
Mail Name:		Owner Addr 2:				
Mailing Addr 1:	605 SO ARROYO PARKWAY	Owner City:		PASADENA		
Mailing Addr 2:		Owner State:		CA		
Owner Fax:		Owner Zip:		911050000		
		Owner Phone:		0000000000		
Contact Information						
--						
Contact Name:	LUNG TAI CHU/DEALER					
Street Address 1:	605 SO ARROYO PARKWAY					
Street Address 2:						
City:	PASADENA					
State:	CA					
Zip:	911050000					
Phone:	6267959368					
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Tanner Information						
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Generator EPA ID:	CAC002212457					
Generator County Code:	19					
Generator County:	Los Angeles					
TSD EPA ID:	CAT080013352					
TSD County Code:	19					
TSD County:	Los Angeles					
State Waste Code:	134					
State Waste Code Desc.:	Aqueous solution with total organic residues less than 10 percent					
Method Code:	R01					
Method Description:	Recycler					
Tons:	2.0454					
Year:	2000					
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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
21	8 of 9	SSE	0.04 / 190.24	781.43 / -12	ARROYO CARWASH INC 605 S ARROYO PKWY PASADENA CA 911053207	HAZNET
SIC Code:				Mailing City:	PASADENA	
NAICS Code:				Mailing State:	CA	
EPA ID:		CAC002642758	Mailing Zip:		911053207	
Create Date:		5/29/2009	Region Code:		3	
Fac Act Ind:		No	Owner Name:		ARROYO CARWASH INC	
Inact Date:		11/26/2009	Owner Addr 1:		605 S ARROYO PKWY	
County Code:		19	Owner Addr 2:			
County Name:		Los Angeles	Owner City:		PASADENA	
Mail Name:			Owner State:		CA	
Mailing Addr 1:		605 S ARROYO PKWY	Owner Zip:		911053207	
Mailing Addr 2:			Owner Phone:		6267959368	
Owner Fax:						
Contact Information						
--		--				
Contact Name:		ALLEN CHU				
Street Address 1:		605 S ARROYO PKWY				
Street Address 2:						
City:		PASADENA				
State:		CA				
Zip:		911053207				
Phone:		6267959368				
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21	9 of 9	SSE	0.04 / 190.24	781.43 / -12	UNOCAL SERVICE STATION_#9693 605 SO ARROYO PARKWAY PASADENA CA 911050000	HAZNET
SIC Code:				Mailing City:	SANTA ANA	
NAICS Code:				Mailing State:	CA	
EPA ID:		CAL000013983	Mailing Zip:		927995376	
Create Date:		11/14/1989	Region Code:		3	
Fac Act Ind:		No	Owner Name:		UNION OIL COMPANY OF CALIFORNI	
Inact Date:		6/30/1997	Owner Addr 1:		DBA UNOCAL	
County Code:		19	Owner Addr 2:			
County Name:		Los Angeles	Owner City:		EL SEGUNDO	
Mail Name:		HAZMAT COMPL COORD, RM 9001	Owner State:		CA	
Mailing Addr 1:		PO BOX 25376	Owner Zip:		902450000	
Mailing Addr 2:			Owner Phone:		7144286560	
Owner Fax:						
Contact Information						
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Contact Name:		CHRISTOPHER Z HILL				
Street Address 1:		PO BOX 25376 CANX VQ97 CC				
Street Address 2:						
City:		SANTA ANA				
State:		CA				
Zip:		927995376				
Phone:		7144286802				
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Tanner Information						
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Generator EPA ID:		CAL000013983				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAD000088252				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		135				
State Waste Code Desc.:		Unspecified aqueous solution				
Method Code:		H01				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Method Description:		Transfer station				
Tons:		0.231				
Year:		1996				
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Generator EPA ID:		CAL000013983				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAT080013352				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		241				
State Waste Code Desc.:		Tank bottom waste				
Method Code:		R01				
Method Description:		Recycler				
Tons:		2.919				
Year:		1998				
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22	1 of 6	NW	0.04 / 202.89	800.05 / 6	PLATI GERMAN CAR SERVICE 442 S RAYMOND AVE PASADENA CA 91105	CERS HAZ
Site ID:		57903				
Latitude:		34.138187				
Longitude:		-118.148430				
<u>Regulated Programs</u>						
EI ID:		10307530		EI Description:		Hazardous Waste Generator
<u>Evaluations</u>						
Eval Date:		4/22/2015				
Violations Found:		No				
Eval General Type:		Compliance Evaluation Inspection				
Eval Type:		Routine done by local agency				
Eval Division:		Pasadena Fire Department				
Eval Program:		HMRRP				
Eval Source:		CERS				
Eval Notes:						
; Note: data in [EVAL Notes] field for some records is truncated from the source.						
Eval Date:		6/19/2014				
Violations Found:		No				
Eval General Type:		Compliance Evaluation Inspection				
Eval Type:		Routine done by local agency				
Eval Division:		Los Angeles County Fire Department				
Eval Program:		HW				
Eval Source:		CERS				
Eval Notes:						
; Note: data in [EVAL Notes] field for some records is truncated from the source.						
Eval Date:		9/28/2018				
Violations Found:		No				
Eval General Type:		Compliance Evaluation Inspection				
Eval Type:		Routine done by local agency				
Eval Division:		Los Angeles County Fire Department				
Eval Program:		HW				
Eval Source:		CERS				
Eval Notes:						
; Note: data in [EVAL Notes] field for some records is truncated from the source.						

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Eval Date:	7/12/2018
Violations Found:	No
Eval General Type:	Compliance Evaluation Inspection
Eval Type:	Routine done by local agency
Eval Division:	Pasadena Fire Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval Notes:	

; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date:	8/10/2017
Violations Found:	No
Eval General Type:	Compliance Evaluation Inspection
Eval Type:	Routine done by local agency
Eval Division:	Los Angeles County Fire Department
Eval Program:	HW
Eval Source:	CERS
Eval Notes:	

Anthony Antillon; Note: data in [EVAL Notes] field for some records is truncated from the source.

Affiliations

Affil Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	
Address:	442 S RAYMOND
City:	PASADENA
State:	CA
Country:	
Zip Code:	91105
Phone:	

Affil Type Desc:	Environmental Contact
Entity Name:	NICOLA PLATI
Entity Title:	
Address:	442 S. RAYMOND AVE.
City:	PASADENA
State:	CA
Country:	
Zip Code:	91105
Phone:	(626) 792-3330

Affil Type Desc:	Legal Owner
Entity Name:	NICOLA PLATI
Entity Title:	
Address:	442 S RAYMOND AVE
City:	PASADENA
State:	CA
Country:	United States
Zip Code:	91106
Phone:	(626) 792-3330

Affil Type Desc:	Operator
Entity Name:	NICOLA PLATI
Entity Title:	
Address:	
City:	
State:	
Country:	
Zip Code:	
Phone:	(626) 355-3918

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Affil Type Desc: CUPA District Entity Name: Los Angeles County Fire Entity Title: Address: 5825 Rickenbacker Road City: Commerce State: CA Country: Zip Code: 90040-3027 Phone: (323) 890-4045 Affil Type Desc: Parent Corporation Entity Name: PLATI GERMAN CAR SERVICE Entity Title: Address: City: State: Country: Zip Code: Phone:						
<u>Coordinates</u>						
Env Int Type Code:	HWG			Longitude:	-118.148430	
Program ID:	10307530			Coord Name:		
Latitude:	34.138190			Ref Point Type Desc:	Center of a facility or station.	
22	2 of 6	NW	0.04 / 202.89	800.05 / 6	PLATI GERMAN CAR SERVICE 442 S RAYMOND ST PASADENA CA 91105	FINDS/FRS
Registry ID: 110002900852 FIPS Code: 06037 Program Acronyms: CA-ENVIROVIEW, RCRAINFO HUC Code: 18070105 Site Type Name: STATIONARY Location Description: Supplemental Location: Create Date: 01-MAR-2000 00:00:00 Update Date: 14-OCT-2015 11:23:35 Interest Types: SQG, STATE MASTER SIC Codes: 7538 SIC Code Descriptions: GENERAL AUTOMOTIVE REPAIR SHOPS NAICS Codes: 811111 NAICS Code Descriptions: GENERAL AUTOMOTIVE REPAIR. Conveyor: FRS-GEocode Federal Facility Code: Federal Agency Name: Tribal Land Code: Tribal Land Name: Congressional Dist No.: 29 Census Block Code: 060374636024006 EPA Region Code: 09 County Name: LOS ANGELES US/Mexico Border Ind: Latitude: 34.13819 Longitude: -118.14881 Reference Point: CENTER OF A FACILITY OR STATION Coord Collection Method: ADDRESS MATCHING-HOUSE NUMBER Accuracy Value: 30 Datum: NAD83 Source: Facility Detail Rprt URL: http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110002900852						
22	3 of 6	NW	0.04 / 202.89	800.05 / 6	PLATI GERMAN CAR SERV & REPAIR	HAZNET

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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442 SOUTH RAYMOND AVE
PASADENA CA 911050000

SIC Code:	7538	Mailing City:	PASADENA
NAICS Code:	811111	Mailing State:	CA
EPA ID:	CAL000091543	Mailing Zip:	911050000
Create Date:	10/5/1994	Region Code:	3
Fac Act Ind:	No	Owner Name:	NICK PLATI
Inact Date:	6/30/2015	Owner Addr 1:	442 S RAYMOND AVE
County Code:	19	Owner Addr 2:	
County Name:	Los Angeles	Owner City:	PASADENA
Mail Name:		Owner State:	CA
Mailing Addr 1:	442 S RAYMOND AVE	Owner Zip:	911050000
Mailing Addr 2:		Owner Phone:	6267923330
Owner Fax:	0000000000		

Contact Information

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Contact Name:	NICK PLATI/OWNER
Street Address 1:	442 S RAYMOND AVE
Street Address 2:	
City:	PASADENA
State:	CA
Zip:	911050000
Phone:	6267923330
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Tanner Information

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Generator EPA ID:	CAL000091543
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	CAT080013352
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	135
State Waste Code Desc.:	Unspecified aqueous solution
Method Code:	R01
Method Description:	Recycler
Tons:	1.197
Year:	1994
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Generator EPA ID:	CAL000091543
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	CAT080013352
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	135
State Waste Code Desc.:	Unspecified aqueous solution
Method Code:	
Method Description:	
Tons:	0.357
Year:	1994
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Generator EPA ID:	CAL000091543
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	CAT080011059
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	221
State Waste Code Desc.:	Waste oil and mixed oil
Method Code:	R01
Method Description:	Recycler
Tons:	0.38
Year:	1994
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Generator EPA ID:	CAL000091543
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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAT080013352				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		135				
State Waste Code Desc.:		Unspecified aqueous solution				
Method Code:		R01				
Method Description:		Recycler				
Tons:		1.428				
Year:		1995				
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Generator EPA ID:		CAL000091543				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAT080013352				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		133				
State Waste Code Desc.:		Aqueous solution with total organic residues 10 percent or more				
Method Code:		R01				
Method Description:		Recycler				
Tons:		1.3344				
Year:		1995				
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Generator EPA ID:		CAL000091543				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAT080013352				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		133				
State Waste Code Desc.:		Aqueous solution with total organic residues 10 percent or more				
Method Code:		R01				
Method Description:		Recycler				
Tons:		3.2109				
Year:		1996				
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Generator EPA ID:		CAL000091543				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAT080013352				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		133				
State Waste Code Desc.:		Aqueous solution with total organic residues 10 percent or more				
Method Code:		R01				
Method Description:		Recycler				
Tons:		1.8348				
Year:		1997				
--		--				
Generator EPA ID:		CAL000091543				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAT080013352				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		133				
State Waste Code Desc.:		Aqueous solution with total organic residues 10 percent or more				
Method Code:		R01				
Method Description:		Recycler				
Tons:		2.9607				
Year:		1998				
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Generator EPA ID:		CAL000091543				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAD099452708				
TSD County Code:		19				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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TSD County:		Los Angeles				
State Waste Code:		135				
State Waste Code Desc.:		Unspecified aqueous solution				
Method Code:		R01				
Method Description:		Recycler				
Tons:		1.26				
Year:		1999				
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Generator EPA ID:		CAL000091543				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAT080013352				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		133				
State Waste Code Desc.:		Aqueous solution with total organic residues 10 percent or more				
Method Code:		R01				
Method Description:		Recycler				
Tons:		2.0016				
Year:		1999				
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Generator EPA ID:		CAL000091543				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAD099452708				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		135				
State Waste Code Desc.:		Unspecified aqueous solution				
Method Code:		R01				
Method Description:		Recycler				
Tons:		1.26				
Year:		2000				
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22	4 of 6	NW	0.04 / 202.89	800.05 / 6	PLATI GERMAN CAR SVC 442 S RAYMOND AVE PASADENA CA 911050000	HAZNET
SIC Code:	7538			Mailing City:	PASADENA	
NAICS Code:	811111			Mailing State:	CA	
EPA ID:	CAD983670613			Mailing Zip:	911050000	
Create Date:	12/8/1995			Region Code:	3	
Fac Act Ind:	No			Owner Name:	PLATI GERMAN CAR SVC	
Inact Date:	6/30/2015			Owner Addr 1:	442 S RAYMOND AVE	
County Code:	19			Owner Addr 2:		
County Name:	Los Angeles			Owner City:	PASADENA	
Mail Name:				Owner State:	CA	
Mailing Addr 1:	442 S RAYMOND AVE			Owner Zip:	911050000	
Mailing Addr 2:				Owner Phone:	6267923330	
Owner Fax:	0000000000					
Contact Information						
--	--					
Contact Name:	NICK PLATI					
Street Address 1:	442 S RAYMOND AVE					
Street Address 2:						
City:	PASADENA					
State:	CA					
Zip:	911050000					
Phone:	6267923330					
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Tanner Information						
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Generator EPA ID:	CAD983670613					
Generator County Code:	19					
Generator County:	Los Angeles					

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
TSD EPA ID:		CAT080013352				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		135				
State Waste Code Desc.:		Unspecified aqueous solution				
Method Code:		R01				
Method Description:		Recycler				
Tons:		0.462				
Year:		1993				
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Generator EPA ID:		CAD983670613				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAT080013352				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		135				
State Waste Code Desc.:		Unspecified aqueous solution				
Method Code:						
Method Description:						
Tons:		0.462				
Year:		1993				
--		--				
Generator EPA ID:		CAD983670613				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAD093459485				
TSD County Code:		10				
TSD County:		Fresno				
State Waste Code:		213				
State Waste Code Desc.:		Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)				
Method Code:						
Method Description:						
Tons:		0.1876				
Year:		1994				
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Generator EPA ID:		CAD983670613				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAT080013352				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		135				
State Waste Code Desc.:		Unspecified aqueous solution				
Method Code:		R01				
Method Description:		Recycler				
Tons:		0.483				
Year:		1994				
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Generator EPA ID:		CAD983670613				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAT000613893				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		134				
State Waste Code Desc.:		Aqueous solution with total organic residues less than 10 percent				
Method Code:		H01				
Method Description:		Transfer station				
Tons:		0.5334				
Year:		2001				
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Generator EPA ID:		CAD983670613				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAT000613893				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		134				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
State Waste Code Desc.:		Aqueous solution with total organic residues less than 10 percent				
Method Code:		H01				
Method Description:		Transfer station				
Tons:		0.1806				
Year:		2002				
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Generator EPA ID:		CAD983670613				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAT000613893				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		134				
State Waste Code Desc.:		Aqueous solution with total organic residues less than 10 percent				
Method Code:		H01				
Method Description:		Transfer station				
Tons:		0.3948				
Year:		2003				
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Generator EPA ID:		CAD983670613				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAT000613893				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		134				
State Waste Code Desc.:		Aqueous solution with total organic residues less than 10 percent				
Method Code:		H01				
Method Description:		Transfer station				
Tons:		0.504				
Year:		2004				
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Generator EPA ID:		CAD983670613				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAT000613893				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		134				
State Waste Code Desc.:		Aqueous solution with total organic residues less than 10 percent				
Method Code:		H01				
Method Description:		Transfer station				
Tons:		1.6968				
Year:		2005				
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Generator EPA ID:		CAD983670613				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAT000613893				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		134				
State Waste Code Desc.:		Aqueous solution with total organic residues less than 10 percent				
Method Code:		H141				
Method Description:		STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)				
Tons:		0.378				
Year:		2006				
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Generator EPA ID:		CAD983670613				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAT000613893				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		134				
State Waste Code Desc.:		Aqueous solution with total organic residues less than 10 percent				
Method Code:		H01				
Method Description:		Transfer station				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Tons:		0.945				
Year:		2006				
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Generator EPA ID:		CAD983670613				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAT000613893				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		134				
State Waste Code Desc.:		Aqueous solution with total organic residues less than 10 percent				
Method Code:		H141				
Method Description:		STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)				
Tons:		1.68				
Year:		2007				
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Generator EPA ID:		CAD983670613				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAT000613893				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		134				
State Waste Code Desc.:		Aqueous solution with total organic residues less than 10 percent				
Method Code:						
Method Description:						
Tons:		0.084				
Year:		2007				
--		--				
Generator EPA ID:		CAD983670613				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAT000613893				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		134				
State Waste Code Desc.:		Aqueous solution with total organic residues less than 10 percent				
Method Code:		H141				
Method Description:		STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)				
Tons:		1.764				
Year:		2008				
--		--				
Generator EPA ID:		CAD983670613				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAT000613935				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		134				
State Waste Code Desc.:		Aqueous solution with total organic residues less than 10 percent				
Method Code:		H141				
Method Description:		STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)				
Tons:		1.512				
Year:		2009				
--		--				
Generator EPA ID:		CAD983670613				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAT000613935				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		134				
State Waste Code Desc.:		Aqueous solution with total organic residues less than 10 percent				
Method Code:		H141				
Method Description:		STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Tons:		1.764				
Year:		2010				
--		--				
Generator EPA ID:		CAD983670613				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAT000613935				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		134				
State Waste Code Desc.:		Aqueous solution with total organic residues less than 10 percent				
Method Code:		H141				
Method Description:		STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)				
Tons:		0.756				
Year:		2011				
--		--				
Generator EPA ID:		CAD983670613				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAT000613893				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		134				
State Waste Code Desc.:		Aqueous solution with total organic residues less than 10 percent				
Method Code:		H141				
Method Description:		STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)				
Tons:		0.504				
Year:		2011				
--		--				
Generator EPA ID:		CAD983670613				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAT000613893				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		134				
State Waste Code Desc.:		Aqueous solution with total organic residues less than 10 percent				
Method Code:		H141				
Method Description:		STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)				
Tons:		1.26				
Year:		2012				
--		--				
Generator EPA ID:		CAD983670613				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAT000613935				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		134				
State Waste Code Desc.:		Aqueous solution with total organic residues less than 10 percent				
Method Code:		H141				
Method Description:		STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)				
Tons:		0.252				
Year:		2013				
--		--				
Generator EPA ID:		CAD983670613				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAT000613893				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		134				
State Waste Code Desc.:		Aqueous solution with total organic residues less than 10 percent				
Method Code:		H141				
Method Description:		STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
		H135)				
Tons:		0.777				
Year:		2013				
--		--				
Generator EPA ID:		CAD983670613				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAT000613893				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		134				
State Waste Code Desc.:		Aqueous solution with total organic residues less than 10 percent				
Method Code:		H141				
Method Description:		STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)				
Tons:		0.252				
Year:		2014				
--		--				
Generator EPA ID:		CAD983670613				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAT000613935				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		134				
State Waste Code Desc.:		Aqueous solution with total organic residues less than 10 percent				
Method Code:		H141				
Method Description:		STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)				
Tons:		1.008				
Year:		2014				
--		--				
Generator EPA ID:		CAD983670613				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAT000613935				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		134				
State Waste Code Desc.:		Aqueous solution with total organic residues less than 10 percent				
Method Code:		H141				
Method Description:		STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)				
Tons:		1.008				
Year:		2015				
--		--				

[22](#)

5 of 6

NW

0.04 /
202.89

800.05 /
6

PLATI GERMAN CAR SERVICE
442 SO RAYMOND AVE
PASADENA CA 911050000

HAZNET

SIC Code:
NAICS Code:
EPA ID: CAL000041169
Create Date: 2/15/1991
Fac Act Ind: No
Inact Date: 6/30/1996
County Code: 19
County Name: Los Angeles
Mail Name:
Mailing Addr 1: 442 SO RAYMOND AVE
Mailing Addr 2:
Owner Fax:

Mailing City: PASADENA
Mailing State: CA
Mailing Zip: 911050000
Region Code: 3
Owner Name: PLATI NICOLA
Owner Addr 1: --
Owner Addr 2:
Owner City: --
Owner State: 99
Owner Zip: --
Owner Phone: 0000000000

Contact Information

--
Contact Name: DEACT PER VQ96-RK
Street Address 1: --

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Street Address 2:						
City:	--	--				
State:	99					
Zip:	--					
Phone:	8187923330					
--	--					
--	--					
Tanner Information						
--	--					
Generator EPA ID:	CAL000041169					
Generator County Code:	19					
Generator County:	Los Angeles					
TSD EPA ID:	CAT080013352					
TSD County Code:	19					
TSD County:	Los Angeles					
State Waste Code:	135					
State Waste Code Desc.:	Unspecified aqueous solution					
Method Code:	R01					
Method Description:	Recycler					
Tons:	9.282					
Year:	1994					
--	--					
Generator EPA ID:	CAL000041169					
Generator County Code:	19					
Generator County:	Los Angeles					
TSD EPA ID:	CAT080013352					
TSD County Code:	19					
TSD County:	Los Angeles					
State Waste Code:	133					
State Waste Code Desc.:	Aqueous solution with total organic residues 10 percent or more					
Method Code:	R01					
Method Description:	Recycler					
Tons:	0.9174					
Year:	1997					
--	--					

[22](#)

6 of 6

NW

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6

PLATI GERMAN CAR SERVICE
442 S RAYMOND ST
PASADENA CA 91105

RCRA SQG

EPA Handler ID: CAD983670613
Gen Status Universe: Small Quantity Generator
Contact Name: JESSE CASTRO
Contact Address: 442 S RAYMOND ST , , PASADENA , CA, 91105 , US
Contact Phone No and Ext: 626-792-3330
Contact Email:
Contact Country: US
County Name: LOS ANGELES
EPA Region: 09
Land Type: Private
Receive Date: 20010507

Violation/Evaluation Summary

Note: NO RECORDS: As of Dec 2018, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Commercial TSD:		No				
Used Oil Transporter:		No				
Used Oil Transfer Facility:		No				
Used Oil Processor:		No				
Used Oil Refiner:		No				
Used Oil Burner:		No				
Used Oil Market Burner:		No				
Used Oil Spec Marketer:		No				

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20010507
Handler Name: PLATI GERMAN CAR SERVICE
Generator Status Universe: Small Quantity Generator
Source Type: Notification

Waste Code Details

Hazardous Waste Code: D039
Waste Code Description: TETRACHLOROETHYLENE

Owner/Operator Details

Owner/Operator Ind:	Current Owner	Street No:	
Type:	Private	Street 1:	442 S RAYMOND ST
Name:	NICK PLATI	Street 2:	
Date Became Current:		City:	PASADENA
Date Ended Current:		State:	CA
Phone:	626-792-3330	Country:	
Source Type:	Notification	Zip Code:	91105

[23](#)

1 of 2

NW

0.04 /
203.59

799.22 /
6

450 SOUTH RAYMOND
PASADENA CA 911050000

HIST
MANIFEST

Gen EPA ID: CAL000034621
Create Date: 5/16/1990 0:00:00
Inact Date: 7/27/2000 0:00:00
Facility Mail Street: 451 S ARROYO PKWY
Facility Mail City: PASADENA
Facility Mail State: CA
Facility Mail Zip: 911050000
Contact Phone(s): 6264409777
File Year(s): 1990; 1991; 1992
Contact Name(s): CHRIS DICKIE/PRES

Tanner Information

Method Description:
Tons: 0
Year: 1990
Generator County Code: 19
Generator County: Los Angeles
Method Code:
Tsd County Code: 19
Tsd County: Los Angeles
State Waste Code:
State Waste Code Desc:
Tsd Epa ID: CAD099452708

Tanner Information

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Method Description:

Tons:	0
Year:	1991
Generator County Code:	19
Generator County:	Los Angeles
Method Code:	
Tsd County Code:	19
Tsd County:	Los Angeles
State Waste Code:	
State Waste Code Desc:	
Tsd Epa ID:	CAD099452708

Tanner Information

Method Description:

Tons:	0.7
Year:	1990
Generator County Code:	19
Generator County:	Los Angeles
Method Code:	H01
Tsd County Code:	19
Tsd County:	Los Angeles
State Waste Code:	214
State Waste Code Desc:	Unspecified solvent mixture
Tsd Epa ID:	CAD099452708

Tanner Information

Method Description:

Tons:	0
Year:	1992
Generator County Code:	19
Generator County:	Los Angeles
Method Code:	
Tsd County Code:	19
Tsd County:	Los Angeles
State Waste Code:	
State Waste Code Desc:	
Tsd Epa ID:	CAD099452708

Tanner Information

Method Description:

Tons:	1.29
Year:	1991
Generator County Code:	19
Generator County:	Los Angeles
Method Code:	H01
Tsd County Code:	19
Tsd County:	Los Angeles
State Waste Code:	343
State Waste Code Desc:	Unspecified organic liquid mixture
Tsd Epa ID:	CAD099452708

Tanner Information

Method Description:

Tons:	4.44
Year:	1992
Generator County Code:	19
Generator County:	Los Angeles
Method Code:	H01
Tsd County Code:	19

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Tsd County:		Los Angeles				
State Waste Code:		343				
State Waste Code Desc:		Unspecified organic liquid mixture				
Tsd Epa ID:		CAD099452708				

23	2 of 2	NW	0.04 / 203.59	799.22 / 6	ABSOLUTE AUTOMOTIVE SVS INC. 450 SOUTH RAYMOND PASADENA CA 911050000	HAZNET
SIC Code:					Mailing City:	PASADENA
NAICS Code:					Mailing State:	CA
EPA ID:		CAL000034621			Mailing Zip:	911050000
Create Date:		5/16/1990			Region Code:	3
Fac Act Ind:		No			Owner Name:	CHRISTOPHER DICKIE
Inact Date:		7/27/2000			Owner Addr 1:	451 S ARROYO PKWY
County Code:		19			Owner Addr 2:	
County Name:		Los Angeles			Owner City:	PASADENA
Mail Name:					Owner State:	CA
Mailing Addr 1:		451 S ARROYO PKWY			Owner Zip:	911050000
Mailing Addr 2:					Owner Phone:	8184409777
Owner Fax:						

Contact Information

--

Contact Name: CHRIS DICKIE/PRES
Street Address 1: 451 S ARROYO PKWY
Street Address 2:
City: PASADENA
State: CA
Zip: 911050000
Phone: 6264409777

Tanner Information

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Generator EPA ID: CAL000034621
Generator County Code: 19
Generator County: Los Angeles
TSD EPA ID: CAT080013352
TSD County Code: 19
TSD County: Los Angeles
State Waste Code: 135
State Waste Code Desc.: Unspecified aqueous solution
Method Code: R01
Method Description: Recycler
Tons: 0.924
Year: 1993

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Generator EPA ID: CAL000034621
Generator County Code: 19
Generator County: Los Angeles
TSD EPA ID: CAT080013352
TSD County Code: 19
TSD County: Los Angeles
State Waste Code: 135
State Waste Code Desc.: Unspecified aqueous solution
Method Code: R01
Method Description: Recycler
Tons: 2.814
Year: 1994

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Generator EPA ID: CAL000034621
Generator County Code: 19
Generator County: Los Angeles
TSD EPA ID: CAT080013352
TSD County Code: 19
TSD County: Los Angeles

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
State Waste Code:		135				
State Waste Code Desc.:		Unspecified aqueous solution				
Method Code:		R01				
Method Description:		Recycler				
Tons:		1.575				
Year:		1995				
--		--				
Generator EPA ID:		CAL000034621				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAT080013352				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		133				
State Waste Code Desc.:		Aqueous solution with total organic residues 10 percent or more				
Method Code:		R01				
Method Description:		Recycler				
Tons:		1.668				
Year:		1995				
--		--				
Generator EPA ID:		CAL000034621				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAT080013352				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		133				
State Waste Code Desc.:		Aqueous solution with total organic residues 10 percent or more				
Method Code:		R01				
Method Description:		Recycler				
Tons:		2.6479				
Year:		1996				
--		--				
Generator EPA ID:		CAL000034621				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAT080013352				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		133				
State Waste Code Desc.:		Aqueous solution with total organic residues 10 percent or more				
Method Code:		R01				
Method Description:		Recycler				
Tons:		2.5228				
Year:		1997				
--		--				
Generator EPA ID:		CAL000034621				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAT080013352				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		133				
State Waste Code Desc.:		Aqueous solution with total organic residues 10 percent or more				
Method Code:		R01				
Method Description:		Recycler				
Tons:		3.3568				
Year:		1998				
--		--				
Generator EPA ID:		CAL000034621				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAT080013352				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		133				
State Waste Code Desc.:		Aqueous solution with total organic residues 10 percent or more				
Method Code:		R01				
Method Description:		Recycler				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<hr/>						
Tons:		1.2927				
Year:		1999				
--		--				
Generator EPA ID:		CAL000034621				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAD982444481				
TSD County Code:		36				
TSD County:		San Bernardino				
State Waste Code:		223				
State Waste Code Desc.:		Unspecified oil-containing waste				
Method Code:		H01				
Method Description:		Transfer station				
Tons:		0.2293				
Year:		2000				
--		--				
Generator EPA ID:		CAL000034621				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAT080013352				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		133				
State Waste Code Desc.:		Aqueous solution with total organic residues 10 percent or more				
Method Code:		R01				
Method Description:		Recycler				
Tons:		1.7722				
Year:		2000				
--		--				
Generator EPA ID:		CAL000034621				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAT080013352				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		134				
State Waste Code Desc.:		Aqueous solution with total organic residues less than 10 percent				
Method Code:		R01				
Method Description:		Recycler				
Tons:		0.231				
Year:		2001				
--		--				
Generator EPA ID:		CAL000034621				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAD981696420				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		222				
State Waste Code Desc.:		Oil/water separation sludge				
Method Code:		R01				
Method Description:		Recycler				
Tons:		0.2502				
Year:		2002				
--		--				
<hr/>						
24	1 of 8	SW	0.04 / 203.89	788.20 / -5	U-Haul Moving & Storage of Pasadena 552 S. RAYMOND AVE. PASADENA CA 91105	CERS HAZ
Site ID:		404610				
Latitude:		34.136810				
Longitude:		-118.148570				

Regulated Programs

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
EI ID:	10309750			EI Description:	Chemical Storage Facilities	

Evaluations

Eval Date: 3/12/2018
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Pasadena Fire Department
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

; Note: data in [EVAL Notes] field for some records is truncated from the source.

Affiliations

Affil Type Desc: Parent Corporation
Entity Name: U-Haul Moving and Storage of Pasadena
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: Environmental Contact
Entity Name: Chad Farren
Entity Title:
Address: 27150 Sierra Hwy
City: Canyon Country
State: CA
Country:
Zip Code: 91351
Phone: (661) 298-8220

Affil Type Desc: Operator
Entity Name: U-Haul Moving and Storage of Pasadena
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone: (661) 298-8220

Affil Type Desc: Identification Signer
Entity Name: Chad Farren
Entity Title: Marketing Company President
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: Property Owner
Entity Name: Amerco Real Estate Company
Entity Title:
Address: 2727 N Central Ave
City: Phoenix
State: CA
Country: United States
Zip Code: 85004
Phone: (602) 263-6555

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<hr/>						
Affil Type Desc:		Facility Mailing Address				
Entity Name:		Mailing Address				
Entity Title:						
Address:		27150 Sierra Hwy				
City:		Canyon Country				
State:		CA				
Country:						
Zip Code:		91351				
Phone:						
Affil Type Desc:		Document Preparer				
Entity Name:		Charlotte Newhouse				
Entity Title:						
Address:						
City:						
State:						
Country:						
Zip Code:						
Phone:						
Affil Type Desc:		Legal Owner				
Entity Name:		U-Haul Co. of California				
Entity Title:						
Address:		c/o U-Haul Co. of San Fernando Valley, 27150 Sierra Hwy				
City:		Canyon Country				
State:		CA				
Country:		United States				
Zip Code:		91351				
Phone:		(661) 298-8220				
Affil Type Desc:		CUPA District				
Entity Name:		Los Angeles County Fire				
Entity Title:						
Address:		5825 Rickenbacker Road				
City:		Commerce				
State:		CA				
Country:						
Zip Code:		90040-3027				
Phone:		(323) 890-4045				

[24](#)

2 of 8

SW

0.04 /
203.89

788.20 /
-5

Uhaul W Covina
552 S Raymond Ave
Pasadena CA 91105

CHMIRS

ID:	14-2763	Notified Date:	5/14/2014 15:23
Control No:	14-2763	Notified Date Time:	
Year:	2014	County:	Los Angeles County

California Hazardous Material Incident Report System

Contained:	No	3 Vessel >= 300 Tons:	No
1 Substance:	Fuel - Propane	Incident Date:	5/14/2014
1 Measure:	Lbs.	Incident Time:	1510
1 Other:		Spill Site:	Merchant/Business
1 Quantity:	Unk	Injuries?:	No
1 Type:	VAPOR	No of Injuries:	
1 Pipeline:	No	Fatals?:	No
1 Vessel >= 300 Tons:	No	No of Fatals:	
2 Substance:		Evacs?:	No
2 Quantity:		No of Evacs:	
2 Measure:		Cleanup:	Contractor
2 Type:		Site:	
2 Other:		Cause:	Mechanical
2 Pipeline:	No	Cause Other:	
2 Vessel >= 300 Tons:	No	Dog No:	
3 Substance:		Water:	No

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
3 Quantity:					Water Way:	
3 Measure:					City:	Pasadena
3 Type:					County:	Los Angeles County
3 Other:					Zip:	91105
3 Pipeline:	No					
Admin Agency:		Pasadena Fire Department				
Notification Area:		AA/CUPA,DFG-OSPR,DTSC,RWQCB,US EPA,USFWS,AIR RESOURCES BD				
Location:		552 S Raymond Ave				
Description:		Storage tank valve is leaking causing the release, material is dripping onto the soil, FD is on the scene, contractor en route for containment and clean up.				

California OES Update

Notify Date: 05/14/2014
Notify Time: 1523
Occurrence Date: 05/14/2014
Occurrence Time: 1510
Upd Known Impact:
Update Cause:
Pers Notifying Upd Place: Person Notifying Update
Pers Notifying Upd Nme:
Phone No.:
Ext:
Pag Cell:
Fax Notifi List:
Person Notifying Cal Oes
Agenc:
Person Reporting Spill Agency:
Op Area:
Unknown Header:
Substance 1:
Qty Amount 1:
Measure 1:
Type 1:
Other 1:
Pipeline 1:
Vessel 1:
Substance 2:
Qty Amount 2:
Measure 2:
Type 2:
Other 2:
Pipeline 2:
Vessel 2:
Substance 3:
Qty Amount 3:
Measure 3:
Type 3:
Other 3:
Pipeline 3:
Vessel 3:
Administering Agency:
Secondary Agency:
Additional Counties:
Additional Admin Agency:
Other Notified:
RWQCB Unit:
Confirmation Request:
Fax Notification List 2:
Administering Agency 2:
Additional Admin Agency 2:
Secondary Agency 2:
Additional Counties 2:
DOG Unit:
RWQCB Unit 2:
Doc URL: <https://w3.calema.ca.gov/operational/mal haz.nsf/f1841a103c102734882563e200760c4a/d896d64f152d5f7188257cd90063a861?OpenDocument>
Update Description:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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05/15/2014 11:08:31 AM - Reporting party reports that the propane released was less than 1 Lb.

Situation Update:

Reporting party reports that the propane released was less than 1 Lb.

Original Description:

California OES Update Quantities

Amount: <1
Measure: Lbs.

Main Page Information

On Scene:
Other on Scene:
Other Notified:
Admin Agency: Pasadena Fire Department
Admin Agency 2:
Additional County:
Document Title: SPILL Report
Creation Date: 05/14/2014 03:23 PM
Received By:
Person Notifying Cal OES:
Phone No:
Ext:
Pag Cell:
Water: VAPOR
Cause Description for Other:
Amount 1: Unk
Amount 2:
Amount 3:
Doc URL: <https://w3.calema.ca.gov/operational/mal haz.nsf/f1841a103c102734882563e200760c4a/f37e1d7c004b56a288257cd8007b07ef?OpenDocument>
Spill Site:
Type:

24	3 of 8	SW	0.04 / 203.89	788.20 / -5	U-HAUL MOVING & STORAGE OF PASADENA 552 S. RAYMOND AVE. PASADENA CA 91105	FINDS/FRS
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Registry ID: 110065272920
FIPS Code:
Program Acronyms: CA-ENVIROVIEW
HUC Code: 18070105
Site Type Name: STATIONARY
Location Description:
Supplemental Location:
Create Date: 10-OCT-2015 10:27:08
Update Date:
Interest Types: STATE MASTER
SIC Codes: 7513
SIC Code Descriptions: TRUCK RENTAL AND LEASING, WITHOUT DRIVERS
NAICS Codes: 532120
NAICS Code Descriptions: TRUCK, UTILITY TRAILER, AND RV (RECREATIONAL VEHICLE) RENTAL AND LEASING.
Conveyor: FRS-GEOCODE
Federal Facility Code:
Federal Agency Name:
Tribal Land Code:
Tribal Land Name:
Congressional Dist No.: 29
Census Block Code: 060374636024006

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
EPA Region Code:		09				
County Name:		LOS ANGELES				
US/Mexico Border Ind:						
Latitude:		34.136498				
Longitude:		-118.14881				
Reference Point:		ENTRANCE POINT OF A FACILITY OR STATION				
Coord Collection Method:		ADDRESS MATCHING-HOUSE NUMBER				
Accuracy Value:		50				
Datum:		NAD83				
Source:						
Facility Detail Rprt URL:		http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110065272920				
24	4 of 8	SW	0.04 / 203.89	788.20 / -5	RASADENA MOVING CENTER 552 S RAYMOND PASADENA CA 91105	HHSS
County:		Los Angeles				
Pdf File Url:		http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00028e5e.pdf				
24	5 of 8	SW	0.04 / 203.89	788.20 / -5	552 S RAYMOND AVE PASADENA CA 911050000	HIST MANIFEST
Gen EPA ID:		CAD981640816				
Create Date:		07/03/1987 0:00				
Inact Date:		6/30/1999 0:00:00				
Facility Mail Street:		PO BOX 21517				
Facility Mail City:		PHOENIX				
Facility Mail State:		AZ				
Facility Mail Zip:		850361143				
Contact Phone(s):		8188594500				
File Year(s):		1992				
Contact Name(s):		CLINT RODGERS-PRES				
<u>Tanner Information</u>						
Method Description:						
Tons:		0.72				
Year:		1992				
Generator County Code:		19				
Generator County:		Los Angeles				
Method Code:		R01				
Tsd County Code:		19				
Tsd County:		Los Angeles				
State Waste Code:		135				
State Waste Code Desc:		Unspecified aqueous solution				
Tsd Epa ID:		CAD099452708				
<u>Tanner Information</u>						
Method Description:						
Tons:		0				
Year:		1992				
Generator County Code:		19				
Generator County:		Los Angeles				
Method Code:						
Tsd County Code:		19				
Tsd County:		Los Angeles				
State Waste Code:						
State Waste Code Desc:						
Tsd Epa ID:		CAD099452708				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
24	6 of 8	SW	0.04 / 203.89	788.20 / -5	PASADENA MOVING CENTER 552 S RAYMOND PASADENA CA	HIST TANK
Owner Name:		U-HAUL CO.		No of Containers:		2
Owner Street:		657 S ATLANTIC		County:		LOS ANGELES
Owner City:		EAST LOS ANGELES		Facility State:		CA
Owner State:		CA		Facility Zip:		91105
Owner Zip:		90022				
24	7 of 8	SW	0.04 / 203.89	788.20 / -5	U-HAUL INC 552 S RAYMOND AVE PASADENA CA 911050000	HAZNET
SIC Code:				Mailing City:		CANYON COUNTRY
NAICS Code:				Mailing State:		CA
EPA ID:		CAC002345609		Mailing Zip:		913510000
Create Date:		4/11/2001		Region Code:		3
Fac Act Ind:		No		Owner Name:		U-HAUL INC
Inact Date:		1/11/2002		Owner Addr 1:		27150 SIERRA HWY
County Code:		19		Owner Addr 2:		
County Name:		Los Angeles		Owner City:		CANYON COUNTRY
Mail Name:		LORINDA SMITH/EXECUTIVE ASSIST		Owner State:		CA
Mailing Addr 1:		27150 SIERRA HWY		Owner Zip:		913510000
Mailing Addr 2:				Owner Phone:		8777140855
Owner Fax:						
Contact Information						
--		--				
Contact Name:		PATRICK HEARD/GM				
Street Address 1:		27150 SIERRA HWY				
Street Address 2:						
City:		CANYON COUNTRY				
State:		CA				
Zip:		913510000				
Phone:		6267956888				
--		--				
--		--				
Tanner Information						
--		--				
Generator EPA ID:		CAC002345609				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAD099452708				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		222				
State Waste Code Desc.:		Oil/water separation sludge				
Method Code:		H01				
Method Description:		Transfer station				
Tons:		5.2125				
Year:		2001				
--		--				
24	8 of 8	SW	0.04 / 203.89	788.20 / -5	U-HAUL PASADENA 713-64 552 S RAYMOND AVE PASADENA CA 911050000	HAZNET
SIC Code:				Mailing City:		PHOENIX
NAICS Code:				Mailing State:		AZ
EPA ID:		CAD981640816		Mailing Zip:		850361143
Create Date:		7/3/1987		Region Code:		3
Fac Act Ind:		No		Owner Name:		U-HAUL CO OF CALIFORNIA
Inact Date:		6/30/1999		Owner Addr 1:		44511 GRIMMER BLVD
County Code:		19		Owner Addr 2:		
County Name:		Los Angeles		Owner City:		FREMONT

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Mail Name:		U-HAUL INTERNATIONAL		Owner State:		CA
Mailing Addr 1:		PO BOX 21517		Owner Zip:		945380000
Mailing Addr 2:				Owner Phone:		5106566200
Owner Fax:						
Contact Information						
--		--				
Contact Name:		CLINT RODGERS-PRES				
Street Address 1:		INACTIVE PER VQ99 - BMI				
Street Address 2:						
City:		PHOENIX				
State:		AZ				
Zip:		850361517				
Phone:		8188594500				
--		--				
--		--				
Tanner Information						
--		--				
Generator EPA ID:		CAD981640816				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAT080013352				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		241				
State Waste Code Desc.:		Tank bottom waste				
Method Code:		R01				
Method Description:		Recycler				
Tons:		1.0425				
Year:		1996				
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[25](#)

1 of 2

NW

0.04 /
204.34

797.58 /
4

474-494 SOUTH RAYMOND
PASADENA CA 911050000

HIST
MANIFEST

Gen EPA ID: CAC000262337
Create Date: 3/23/1990 0:00:00
Inact Date: 10/25/2000 0:00:00
Facility Mail Street: --
Facility Mail City: LOS ANGELES
Facility Mail State: CA
Facility Mail Zip: 900240000
Contact Phone(s): 2134745431
File Year(s): 1990
Contact Name(s): AMY EARLEY, FINANCIAL ADM.

Tanner Information

Method Description:
Tons: 0
Year: 1990
Generator County Code: 19
Generator County: Los Angeles
Method Code:
Tsd County Code: 99
Tsd County: Unknown
State Waste Code:
State Waste Code Desc:
Tsd Epa ID: AZC000000150

Tanner Information

Method Description:
Tons: 1.69
Year: 1990

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Generator County Code:		19				
Generator County:		Los Angeles				
Method Code:		D80				
Tsd County Code:		99				
Tsd County:		Unknown				
State Waste Code:		151				
State Waste Code Desc:		Asbestos containing waste				
Tsd Epa ID:		AZC000000150				

25	2 of 2	NW	0.04 / 204.34	797.58 / 4	1X 220 NORTH LAKE, INC. 474-494 SOUTH RAYMOND PASADENA CA 911050000	HAZNET
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SIC Code:		Mailing City:	LOS ANGELES
NAICS Code:		Mailing State:	CA
EPA ID:	CAC000262337	Mailing Zip:	900240000
Create Date:	3/23/1990	Region Code:	3
Fac Act Ind:	No	Owner Name:	MARK B. NATHANSON
Inact Date:	10/25/2000	Owner Addr 1:	--
County Code:	19	Owner Addr 2:	--
County Name:	Los Angeles	Owner City:	--
Mail Name:		Owner State:	99
Mailing Addr 1:	--	Owner Zip:	--
Mailing Addr 2:		Owner Phone:	0000000000
Owner Fax:			

Contact Information

--	--
Contact Name:	AMY EARLEY, FINANCIAL ADM.
Street Address 1:	--
Street Address 2:	--
City:	--
State:	99
Zip:	--
Phone:	2134745431
--	--

26	1 of 6	WNW	0.04 / 204.73	797.27 / 4	SOUTHERN CALIFORNIA PUBLIC RADIO 474 S RAYMOND AVE PASADENA CA 91105	CERS TANK
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Site ID:	155504
Latitude:	34.137543
Longitude:	-118.148430

Regulated Programs

EI ID:	10310506
EI Description:	Chemical Storage Facilities
EI ID:	10310506
EI Description:	Aboveground Petroleum Storage
EI ID:	10310506
EI Description:	Hazardous Chemical Management

Affiliations

Affil Type Desc:	Legal Owner
Entity Name:	SOUTHERN CALIFORNIA PUBLIC RAD
Entity Title:	
Address:	474 S RAYMOND AVE.
City:	PASADENA
State:	CA

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Country:		United States				
Zip Code:		91105				
Phone:		(626) 583-5100				
Affil Type Desc:		Property Owner				
Entity Name:		Southern California Public Radio				
Entity Title:						
Address:		474 So Raymond Avenue				
City:		PASADENA				
State:		CA				
Country:		United States				
Zip Code:		91105				
Phone:		(626) 583-5100				
Affil Type Desc:		Identification Signer				
Entity Name:		Yolanda Ware				
Entity Title:		Facilities Manager				
Address:						
City:						
State:						
Country:						
Zip Code:						
Phone:						
Affil Type Desc:		CUPA District				
Entity Name:		Los Angeles County Fire				
Entity Title:						
Address:		5825 Rickenbacker Road				
City:		Commerce				
State:		CA				
Country:						
Zip Code:		90040-3027				
Phone:		(323) 890-4045				
Affil Type Desc:		Environmental Contact				
Entity Name:		Yolanda Ware				
Entity Title:						
Address:		474 So Raymond Ave.				
City:		PASADENA				
State:		CA				
Country:						
Zip Code:		91105				
Phone:		(626) 583-5113				
Affil Type Desc:		Facility Mailing Address				
Entity Name:		Mailing Address				
Entity Title:						
Address:		474 So Raymond Ave.				
City:		PASADENA				
State:		CA				
Country:						
Zip Code:		91105				
Phone:						
Affil Type Desc:		Parent Corporation				
Entity Name:		Southern California Public Radio				
Entity Title:						
Address:						
City:						
State:						
Country:						
Zip Code:						
Phone:						
Affil Type Desc:		Document Preparer				
Entity Name:		Yolanda Ware				
Entity Title:						
Address:						
City:						

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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State:
Country:
Zip Code:
Phone:

Affil Type Desc: Operator
Entity Name: Southern California Public Radio
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone: (626) 583-5113

Coordinates

Env Int Type Code:	HMBP	Longitude:	-118.148430
Program ID:	10310506	Coord Name:	
Latitude:	34.137540	Ref Point Type Desc:	Center of a facility or station.

Evaluations

Eval Date: 4/30/2018
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Pasadena Fire Department
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

; Note: data in [EVAL Notes] field for some records is truncated from the source.

Violations

Violation Date:	4/30/2018	Violation Program:	HMRRP
Violation Division:	Pasadena Fire Department	Violation Source:	CERS
Citation:	HSC 6.95 25508.1(a)-(f) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(f)		
Violation Notes:			

Returned to compliance on 06/14/2018.; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to electronically update business plan within 30 days of any one of the following events:
A 100 percent or more increase in the quantity of a previously disclosed material.
Any handling of a previously undisclosed hazardous materials at or above reportable quantities.
A change of business address, business ownership, or business name.
A substantial change in the handler's operations that requires modification to any portion of the business plan.

26	2 of 6	WNW	0.04 / 204.73	797.27 / 4	SOUTHERN CALIFORNIA PUBLIC RADIO 474 S RAYMOND AVE PASADENA CA 91105	DELISTED HAZ
Siteid:	155504					
Latitude:	34.137543					
Longitude:	-118.148430					
Original Source:	CHAZ					
Record Date:	22-MAR-2018					

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
26	3 of 6	WNW	0.04 / 204.73	797.27 / 4	SOUTHERN CALIFORNIA PUBLIC RADIO 474 S RAYMOND AVE PASADENA CA 91105	FINDS/FRS
Registry ID:		110066098760				
FIPS Code:						
Program Acronyms:		CA-ENVIROVIEW				
HUC Code:		18070105				
Site Type Name:		STATIONARY				
Location Description:						
Supplemental Location:						
Create Date:		14-OCT-2015 09:52:42				
Update Date:		14-OCT-2015 12:18:04				
Interest Types:		STATE MASTER				
SIC Codes:						
SIC Code Descriptions:						
NAICS Codes:						
NAICS Code Descriptions:						
Conveyor:		FRS-GEOCODE				
Federal Facility Code:						
Federal Agency Name:						
Tribal Land Code:						
Tribal Land Name:						
Congressional Dist No.:		29				
Census Block Code:		060374636024007				
EPA Region Code:		09				
County Name:		LOS ANGELES				
US/Mexico Border Ind:						
Latitude:		34.13754				
Longitude:		-118.14843				
Reference Point:		CENTER OF A FACILITY OR STATION				
Coord Collection Method:		ADDRESS MATCHING-HOUSE NUMBER				
Accuracy Value:		30				
Datum:		NAD83				
Source:						
Facility Detail Rprt URL:		http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110066098760				
26	4 of 6	WNW	0.04 / 204.73	797.27 / 4	JURGENSENS GROCERY COMPANY 474 S. RAYMOND AVENUE PASADENA CA 91105	HHSS
County:		Los Angeles				
Pdf File Url:		http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00027270.pdf				
26	5 of 6	WNW	0.04 / 204.73	797.27 / 4	474 S RAYMOND AVE PASADENA CA 91104	LA HMS
Site No:		011832				
Area:		3J				
--Details--						
File No:		011899				
File Name:		MARC & JANE NATHANSON				
Status Code:		REM				
Status Desc:		Equipment Removed				
Permit No:		00003475T				
Permit Category:		T				
Permit Category Desc:		Underground Storage Tank				
Permit Status Code:		REM				
Permit Status Desc:		Equipment Removed				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Permit Type:		0				
Permit Type Desc:		Underground Storage Tank Operating Permit				
26	6 of 6	WNW	0.04 / 204.73	797.27 / 4	JURGENSEN'S GROCERY COMPANY 474 S. RAYMOND AVENUE PASADENA CA	HIST TANK
Owner Name:		JURGENESEN'S (A CALIFORNIA CORP		No of Containers:		1
Owner Street:		474 S. RAYMOND AVENUE		County:		LOS ANGELES
Owner City:		PASADENA		Facility State:		CA
Owner State:		CA		Facility Zip:		91105
Owner Zip:		91105				
27	1 of 1	WSW	0.04 / 204.75	791.57 / -2	522 S RAYMOND AVE PASADENA CA 91104	LA HMS
Site No:		010863				
Area:		3J				
--Details--						
File No:		010829				
File Name:		U-HAUL CO OF LOS ANGELES				
Status Code:		REM				
Status Desc:		Equipment Removed				
Permit No:		00005210T				
Permit Category:		T				
Permit Category Desc:		Underground Storage Tank				
Permit Status Code:		REM				
Permit Status Desc:		Equipment Removed				
Permit Type:		0				
Permit Type Desc:		Underground Storage Tank Operating Permit				
28	1 of 1	W	0.04 / 204.80	794.74 / 1	JOHN T COLLINS 500 S RAYMOND PASADENA CA 911050000	HAZNET
SIC Code:				Mailing City:		SAN FRANCISCO
NAICS Code:				Mailing State:		CA
EPA ID:		CAC001313192		Mailing Zip:		941400000
Create Date:		6/2/1998		Region Code:		3
Fac Act Ind:		No		Owner Name:		JOHN T COLLINS
Inact Date:		10/25/2000		Owner Addr 1:		220 BUSH ST STE 1418
County Code:		19		Owner Addr 2:		
County Name:		Los Angeles		Owner City:		SAN FRANCISCO
Mail Name:		C/O JACK LIONS		Owner State:		CA
Mailing Addr 1:		220 BUSH ST STE 1418		Owner Zip:		941400000
Mailing Addr 2:				Owner Phone:		4153921423
Owner Fax:						
Contact Information						
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Contact Name:		STEVEN ROCK				
Street Address 1:		841 E WASHINGTON				
Street Address 2:						
City:		SANTA ANA				
State:		CA				
Zip:		927010000				
Phone:		7145479012				
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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Tanner Information						
--		--				
Generator EPA ID:		CAC001313192				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAT080013352				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		221				
State Waste Code Desc.:		Waste oil and mixed oil				
Method Code:		R01				
Method Description:		Recycler				
Tons:		0.19				
Year:		1998				
--		--				
29	1 of 1	SSE	0.04 / 208.77	782.25 / -11	ZAQ Chevron 160 E. California Blvd. Pasadena CA 91105-3230	UST
Facility ID:	LACoFA0006278			Latitude:	34.13551	
Permitting Agency:	Los Angeles County Fire Department			Longitude:	-118.14704	
County:	Los Angeles					
30	1 of 1	NW	0.04 / 222.10	801.43 / 8	RAYMOND AVENUE SELF STORAGE 421 S RAYMOND AVE PASADENA CA 911052609	HAZNET
SIC Code:	4225			Mailing City:	IRVINE	
NAICS Code:	53113			Mailing State:	CA	
EPA ID:	CAC002849476			Mailing Zip:	926065033	
Create Date:	2/18/2016			Region Code:	3	
Fac Act Ind:	No			Owner Name:	MICHAEL ROGERSON	
Inact Date:	5/20/2016			Owner Addr 1:	2201 IRVINE PARKWAY	
County Code:	19			Owner Addr 2:		
County Name:	Los Angeles			Owner City:	IRVINE	
Mail Name:				Owner State:	CA	
Mailing Addr 1:	2201 ALTON PKWY			Owner Zip:	92606	
Mailing Addr 2:				Owner Phone:	9494422342	
Owner Fax:	9492539024					
Contact Information						
--		--				
Contact Name:	CARLOS LARA					
Street Address 1:	421 S RAYMOND AVE					
Street Address 2:						
City:	PASADENA					
State:	CA					
Zip:	911052609					
Phone:	6264499215					
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31	1 of 8	NW	0.04 / 224.38	799.48 / 6	DISNEY STORE USA LLC 443 S RAYMOND AVE PASADENA CA 91105	CERS HAZ
Site ID:	111702					
Latitude:	34.137650					
Longitude:	-118.149246					
Regulated Programs						
EI ID:	10307473			EI Description:	Chemical Storage Facilities	

Violations

Violation Date: 9/6/2017
Violation Division: Pasadena Fire Department
Violation Program: HMRRP
Violation Source: CERS
Citation: HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Notes:

Returned to compliance on 10/18/2017.; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.

Violations

Violation Date: 9/6/2017
Violation Division: Pasadena Fire Department
Violation Program: HMRRP
Violation Source: CERS
Citation: HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Notes:

Returned to compliance on 10/18/2017.; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.

Violations

Violation Date: 9/6/2017
Violation Division: Pasadena Fire Department
Violation Program: HMRRP
Violation Source: CERS
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Notes:

Returned to compliance on 10/18/2017.; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to establish and electronically submit an adequate emergency response plan and procedures for a release or threatened release of a hazardous material.

Violations

Violation Date: 9/6/2017
Violation Division: Pasadena Fire Department
Violation Program: HMRRP
Violation Source: CERS
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Notes:

Returned to compliance on 10/18/2017.; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to complete and electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Violations

Violation Date: 9/6/2017
Violation Division: Pasadena Fire Department
Violation Program: HMRRP
Violation Source: CERS
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Notes:

Returned to compliance on 10/18/2017.; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to establish and electronically submit an adequate training program in safety procedures in the event of a release or threatened release of a hazardous material.

Violations

Violation Date: 9/6/2017
Violation Division: Pasadena Fire Department
Violation Program: HMRRP
Violation Source: CERS
Citation: 19 CCR 6.95 25508(a)(1) - California Code of Regulations, Title 19, Chapter 6.95, Section(s) 25508(a)(1)
Violation Notes:

Returned to compliance on 10/18/2017.; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to complete and electronically submit the Business Activities Page and/or Business Owner Operator Identification Page.

Violations

Violation Date: 9/6/2017
Violation Division: Pasadena Fire Department
Violation Program: HMRRP
Violation Source: CERS
Citation: HSC 6.95 25508.1(a)-(f) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(f)
Violation Notes:

Returned to compliance on 10/18/2017.; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to electronically update business plan within 30 days of any one of the following events:
 A 100 percent or more increase in the quantity of a previously disclosed material.
 Any handling of a previously undisclosed hazardous materials at or above reportable quantities.
 A change of business address, business ownership, or business name.
 A substantial change in the handler's operations that requires modification to any portion of the business plan.

Violations

Violation Date: 9/6/2017
Violation Division: Pasadena Fire Department
Violation Program: HMRRP
Violation Source: CERS
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Notes:

Returned to compliance on 10/18/2017.; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.

Violations

Violation Date: 9/6/2017
Violation Division: Pasadena Fire Department
Violation Program: HMRRP
Violation Source: CERS
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Notes:

Returned to compliance on 10/18/2017.; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to complete and electronically submit a site map with all required content.

Evaluations

Eval Date: 9/6/2017
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Pasadena Fire Department
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

; Note: data in [EVAL Notes] field for some records is truncated from the source.

Affiliations

Affil Type Desc: CUPA District
Entity Name: Los Angeles County Fire
Entity Title:
Address: 5825 Rickenbacker Road
City: Commerce
State: CA
Country:
Zip Code: 90040-3027
Phone: (323) 890-4045

Affil Type Desc: Legal Owner
Entity Name: DISNEY STORE USA LLC
Entity Title:
Address: 443 S RAYMOND AVE
City: PASADENA
State: CA
Country: United States
Zip Code: 91105
Phone: (626) 773-5100

Affil Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title:
Address: 443 S RAYMOND AVE
City: PASADENA
State: CA
Country:
Zip Code: 91105
Phone:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<hr/>						
Affil Type Desc:		Operator				
Entity Name:		DISNEY STORE USA LLC				
Entity Title:						
Address:						
City:						
State:						
Country:						
Zip Code:						
Phone:		(626) 773-5100				
Affil Type Desc:		Parent Corporation				
Entity Name:		DISNEY STORE USA LLC				
Entity Title:						
Address:						
City:						
State:						
Country:						
Zip Code:						
Phone:						
Affil Type Desc:		Document Preparer				
Entity Name:		OMAR CABRAL				
Entity Title:						
Address:						
City:						
State:						
Country:						
Zip Code:						
Phone:						
Affil Type Desc:		Environmental Contact				
Entity Name:		OMAR CABRAL				
Entity Title:						
Address:		443 S RAYMOND AVE				
City:		PASADENA				
State:		CA				
Country:						
Zip Code:		91105				
Phone:		(626) 773-5510				
Affil Type Desc:		Identification Signer				
Entity Name:		OMAR CABRAL				
Entity Title:		FACILITIES COORDINATOR				
Address:						
City:						
State:						
Country:						
Zip Code:						
Phone:						

Coordinates

Env Int Type Code:	HMBP	Longitude:	-118.149250
Program ID:	10307473	Coord Name:	
Latitude:	34.137650	Ref Point Type Desc:	Center of a facility or station.

31	2 of 8	NW	0.04 / 224.38	799.48 / 6	MILUM TEXTILE SERV CO 443 S RAYMOND AV PASADENA CA 91102	EMISSIONS
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1987 Criteria Data

Facility ID:	11501	CERR Code:	
Facility SIC Code:	7216	TOGT:	.1

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
CO:	19				ROGT:	.04223
Air Basin:	SC				COT:	.1
District:	SC				NOXT:	3.4
COLD:	LA				SOXT:	0
DISN:	SOUTH COAST AQMD				PMT:	.3
CHAPIS:					PM10T:	.3

1987 Toxic Data

Facility ID:	11501	COLD:	LA
Facility SIC Code:	7216	DISN:	SOUTH COAST AQMD
CO:	19	CHAPIS:	
Air Basin:	SC	CERR Code:	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

31	3 of 8	NW	0.04 / 224.38	799.48 / 6	DISNEY STORE USA LLC 443 S RAYMOND AVE PASADENA CA 91105	FINDS/FRS
Registry ID:	110065687046					
FIPS Code:						
Program Acronyms:	CA-ENVIROVIEW					
HUC Code:	18070105					
Site Type Name:	STATIONARY					
Location Description:						
Supplemental Location:						
Create Date:	13-OCT-2015 13:25:33					
Update Date:						
Interest Types:	STATE MASTER					
SIC Codes:						
SIC Code Descriptions:						
NAICS Codes:						
NAICS Code Descriptions:						
Conveyor:	FRS-GEOCODE					
Federal Facility Code:						
Federal Agency Name:						
Tribal Land Code:						
Tribal Land Name:						
Congressional Dist No.:	29					
Census Block Code:	060374636024006					
EPA Region Code:	09					
County Name:	LOS ANGELES					
US/Mexico Border Ind:						
Latitude:	34.13765					
Longitude:	-118.14925					
Reference Point:	CENTER OF A FACILITY OR STATION					
Coord Collection Method:	ADDRESS MATCHING-HOUSE NUMBER					
Accuracy Value:	30					
Datum:	NAD83					
Source:						
Facility Detail Rprt URL:	http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110065687046					

31	4 of 8	NW	0.04 / 224.38	799.48 / 6	443 S. RAYMOND PASADENA CA 911050000	HIST MANIFEST
Gen EPA ID:	CAD054513460					
Create Date:	01/06/1983 0:00					
Inact Date:	01/01/1995 0:00					
Facility Mail Street:	443 S.RAYMOND					
Facility Mail City:	PASADENA					

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<hr/>						
Facility Mail State:		CA				
Facility Mail Zip:		911050000				
Contact Phone(s):		8187964311				
File Year(s):		1989				
Contact Name(s):		UNDELIVERABLE PER SURVEY				
 <u>Tanner Information</u>						
Method Description:						
Tons:		24.4				
Year:		1989				
Generator County Code:		19				
Generator County:		Los Angeles				
Method Code:		D80				
Tsd County Code:		19				
Tsd County:		Los Angeles				
State Waste Code:		151				
State Waste Code Desc:		Asbestos containing waste				
Tsd Epa ID:		CAD067786749				
 <u>Tanner Information</u>						
Method Description:						
Tons:		0				
Year:		1989				
Generator County Code:		19				
Generator County:		Los Angeles				
Method Code:						
Tsd County Code:		0				
Tsd County:						
State Waste Code:						
State Waste Code Desc:						
Tsd Epa ID:		HAHQ36017252				
 <u>Tanner Information</u>						
Method Description:						
Tons:		0				
Year:		1989				
Generator County Code:		19				
Generator County:		Los Angeles				
Method Code:						
Tsd County Code:		19				
Tsd County:		Los Angeles				
State Waste Code:						
State Waste Code Desc:						
Tsd Epa ID:		CAD067786749				
 <u>Tanner Information</u>						
Method Description:						
Tons:		0				
Year:		1989				
Generator County Code:		19				
Generator County:		Los Angeles				
Method Code:		3				
Tsd County Code:		19				
Tsd County:		Los Angeles				
State Waste Code:		151				
State Waste Code Desc:		Asbestos containing waste				
Tsd Epa ID:		CAD067786749				
 <u>Tanner Information</u>						

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Method Description:						
Tons:		10.42				
Year:		1989				
Generator County Code:		19				
Generator County:		Los Angeles				
Method Code:		1				
Tsd County Code:		0				
Tsd County:						
State Waste Code:		221				
State Waste Code Desc:		Waste oil and mixed oil				
Tsd Epa ID:		HAHQ36017252				
31	5 of 8	NW	0.04 / 224.38	799.48 / 6	443 S RAYMOND AVE PASADENA CA 91105	LA HMS
Site No:		013946				
Area:		3J				
--Details--						
File No:		014417				
File Name:		MILUM TEXTILE				
Status Code:		REM				
Status Desc:		Equipment Removed				
Permit No:		00005652T				
Permit Category:		T				
Permit Category Desc:		Underground Storage Tank				
Permit Status Code:		REM				
Permit Status Desc:		Equipment Removed				
Permit Type:		0				
Permit Type Desc:		Underground Storage Tank Operating Permit				
31	6 of 8	NW	0.04 / 224.38	799.48 / 6	MILUM TEXTILE SERVICES 443 S. RAYMOND PASADENA CA 911050000	HAZNET
SIC Code:				Mailing City:	PASADENA	
NAICS Code:				Mailing State:	CA	
EPA ID:	CAD054513460			Mailing Zip:	911050000	
Create Date:	1/6/1983			Region Code:	3	
Fac Act Ind:	No			Owner Name:	--	
Inact Date:	1/1/1995			Owner Addr 1:	--	
County Code:	19			Owner Addr 2:	--	
County Name:	Los Angeles			Owner City:	--	
Mail Name:				Owner State:	99	
Mailing Addr 1:	443 S.RAYMOND			Owner Zip:	--	
Mailing Addr 2:				Owner Phone:	0000000000	
Owner Fax:						
Contact Information						
--		--				
Contact Name:		UNDELIVERABLE PER SURVEY				
Street Address 1:		NO SUCH ADDRESS INACTIVE				
Street Address 2:						
City:		PASADENA				
State:		CA				
Zip:		911050000				
Phone:		8187964311				
--		--				
--		--				
Tanner Information						
--		--				
Generator EPA ID:		CAD054513460				
Generator County Code:		19				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Generator County:		Los Angeles				
TSD EPA ID:		CAT080013352				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		221				
State Waste Code Desc.:		Waste oil and mixed oil				
Method Code:		R01				
Method Description:		Recycler				
Tons:		3.23				
Year:		1998				
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31	7 of 8	NW	0.04 / 224.38	799.48 / 6	THE DISNEY STORES 443 S RAYMOND AVE PASADENA CA 91105	HAZNET
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SIC Code:		Mailing City:	PASADENA
NAICS Code:		Mailing State:	CA
EPA ID:	CAC002635536	Mailing Zip:	91105
Create Date:	10/8/2008	Region Code:	3
Fac Act Ind:	No	Owner Name:	THE DISNEY STORES
Inact Date:	4/7/2009	Owner Addr 1:	443 S RAYMOND AVE
County Code:	19	Owner Addr 2:	
County Name:	Los Angeles	Owner City:	PASADENA
Mail Name:		Owner State:	CA
Mailing Addr 1:	443 S RAYMOND AVE	Owner Zip:	91105
Mailing Addr 2:		Owner Phone:	6267735681
Owner Fax:			

Contact Information

--	--
Contact Name:	TONY SNYDER
Street Address 1:	443 S RAYMOND AVE
Street Address 2:	
City:	PASADENA
State:	CA
Zip:	91105
Phone:	6267735681
--	--
--	--

Tanner Information

--	--
Generator EPA ID:	CAC002635536
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	CAD044429835
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	331
State Waste Code Desc.:	Off-specification, aged or surplus organics
Method Code:	H141
Method Description:	STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)
Tons:	0.2
Year:	2008
--	--
Generator EPA ID:	CAC002635536
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	CAD044429835
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	291
State Waste Code Desc.:	Latex waste
Method Code:	H141
Method Description:	STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)
Tons:	0.85

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Year: --		2008 --				
31	8 of 8	NW	0.04 / 224.38	799.48 / 6	THE DISNEY STORES 443 S RAYMOND AVE PASADENA CA 911052630	HAZNET
SIC Code:				Mailing City:	BURBANK	
NAICS Code:				Mailing State:	CA	
EPA ID:	CAC002666030			Mailing Zip:	915210001	
Create Date:	4/28/2011			Region Code:	3	
Fac Act Ind:	No			Owner Name:	THE DISNEY STORES	
Inact Date:	10/26/2011			Owner Addr 1:	500 S BUENA VISTA ST	
County Code:	19			Owner Addr 2:		
County Name:	Los Angeles			Owner City:	BURBANK	
Mail Name:				Owner State:	CA	
Mailing Addr 1:	500 S BUENA VISTA ST			Owner Zip:	915210001	
Mailing Addr 2:				Owner Phone:	8185606785	
Owner Fax:						
Contact Information						
--		--				
Contact Name:	CHRISTINE RUBINO					
Street Address 1:	500 S BUENA VISTA ST					
Street Address 2:						
City:	BURBANK					
State:	CA					
Zip:	915210001					
Phone:	8185606785					
--		--				
--		--				
Tanner Information						
--		--				
Generator EPA ID:	CAC002666030					
Generator County Code:	19					
Generator County:	Los Angeles					
TSD EPA ID:	CAD980675276					
TSD County Code:	15					
TSD County:	Kern					
State Waste Code:	151					
State Waste Code Desc.:	Asbestos containing waste					
Method Code:	H132					
Method Description:	LANDFILL OR SURFACE IMPOUNDMENT THAT WILL BE CLOSED AS LANDFILL(TO INCLUDE ON-SITE TREATMENT AND/OR STABILIZATION)					
Tons:	0.3					
Year:	2011					
--		--				
32	1 of 1	WSW	0.04 / 224.48	791.67 / -2	Ozone Clean Technologies, Inc. 525 S. Raymond Ave - Pasadena CA 91105	SSTS
EPA Region:		9				
Establishment No:		90477-CA-1				
Est. Create Update Date:						
Est. Site County:		Los Angeles				
Est. Site Country:		USA				
Est. Mailing Address:		525 S. Raymond Ave				
Est Mailing Address Line 2:		-				
Est. Mail City:		Pasadena				
Est. Mail State:		CA				
Est. Mail Zip:		91105				
Company Name:		OZONE CLEAN TECHNOLOGIES, INC.				
Co. Site Address Line 1:		525 S. RAYMOND AVE.				
Co. Site Address Line 2:		-				
Co. Site City:		PASADENA				
Co. Site State:		CA				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Co. Site Zip:		91105				
Co. Site Country:		USA				
Co. Mailing Address Line 1:		525 S. RAYMOND AVE.				
Co. Mail Address Line 2:		-				
Co. Mail City:		PASADENA				
Co. Mail State:		CA				
Co. Mail Zip:		91105				
Co. Mail Country:		USA				

33	1 of 2	W	0.04 / 224.67	792.25 / -1	RAYMOND PLAZA PARTNERSHIP 517 SO RAYMOND AVE PASADENA CA 911050000	HAZNET
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SIC Code:		Mailing City:	PASADENA
NAICS Code:		Mailing State:	CA
EPA ID:	CAC001400112	Mailing Zip:	911050000
Create Date:	1/16/1998	Region Code:	3
Fac Act Ind:	No	Owner Name:	ROBERT LEISHMAN/GEN PARTNER
Inact Date:	10/25/2000	Owner Addr 1:	77 WEST DEL MAR BLVD
County Code:	19	Owner Addr 2:	
County Name:	Los Angeles	Owner City:	PASADENA
Mail Name:		Owner State:	CA
Mailing Addr 1:	77 WEST DEL MAR BLVD	Owner Zip:	911050000
Mailing Addr 2:		Owner Phone:	0000000000
Owner Fax:			

Contact Information

--	--
Contact Name:	ROBET LEISHMAN/GEN PARTNER
Street Address 1:	77 WEST DEL MAR BLVD
Street Address 2:	
City:	PASADENA
State:	CA
Zip:	911050000
Phone:	6267923138
--	--
--	--

Tanner Information

--	--
Generator EPA ID:	CAC001400112
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	AZC950823111
TSD County Code:	99
TSD County:	Unknown
State Waste Code:	151
State Waste Code Desc.:	Asbestos containing waste
Method Code:	D80
Method Description:	Disposal, landfill
Tons:	0.8428
Year:	1998
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33	2 of 2	W	0.04 / 224.67	792.25 / -1	ERDMAN INSTRUMENTS INC 517 SOUTH RAYMOND AVE PASADENA CA 911050000	HAZNET
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SIC Code:		Mailing City:	PASADENA
NAICS Code:		Mailing State:	CA
EPA ID:	CAD981434053	Mailing Zip:	911050000
Create Date:	4/10/1987	Region Code:	3
Fac Act Ind:	No	Owner Name:	--
Inact Date:	12/31/1899	Owner Addr 1:	--
County Code:	19	Owner Addr 2:	
County Name:	Los Angeles	Owner City:	--
Mail Name:		Owner State:	99

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<hr/>						
Mailing Addr 1:	1179 ROMNEY DRIVE				Owner Zip: --	
Mailing Addr 2:					Owner Phone: 0000000000	
Owner Fax:						
Contact Information						
--	--					
Contact Name:	CANCELLED BY BARBARA ERHMAN ON					
Street Address 1:	6-22-95HJ THEY CHGD WORK METH-					
Street Address 2:						
City:	--					
State:	99					
Zip:	--					
Phone:	8187924508					
--	--					
<hr/>						
34	1 of 16	SSE	0.05 / 242.62	790.36 / -3	ZAQ Chevron 160 E. CALIFORNIA BLVD. PASADENA CA 91105-3230	CERS TANK
Site ID:	104939					
Latitude:	34.135510					
Longitude:	-118.147040					
<u>Regulated Programs</u>						
EI ID:	10307632					
EI Description:	Underground Storage Tank					
EI ID:	10307632					
EI Description:	Chemical Storage Facilities					
EI ID:	10307632					
EI Description:	Hazardous Waste Generator					
<u>Affiliations</u>						
Affil Type Desc:	Operator					
Entity Name:	ZAQ Chevron (DBA)					
Entity Title:						
Address:						
City:						
State:						
Country:						
Zip Code:						
Phone:	(626) 578-1814					
Affil Type Desc:	UST Property Owner Name					
Entity Name:	DENISE HALET BROWN					
Entity Title:						
Address:	140 Stone Pine Lane					
City:	Menlo Park					
State:	CA					
Country:	United States					
Zip Code:	94205					
Phone:	(707) 578-4255					
Affil Type Desc:	Legal Owner					
Entity Name:	ZAQ, Inc. (Mohammad Khalil Ali)					
Entity Title:						
Address:	160 E. California Blvd.					
City:	Pasadena					
State:	CA					
Country:	United States					
Zip Code:	91105-3230					
Phone:	(562) 644-1101					

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<hr/>						
Affil Type Desc:		UST Tank Operator				
Entity Name:		ZAQ, Inc. (Mohammad Ali & Rafay Khalil)				
Entity Title:						
Address:		160 E. California Blvd				
City:		Pasadea				
State:		CA				
Country:		United States				
Zip Code:		91105-3230				
Phone:		(562) 644-1101				
Affil Type Desc:		Environmental Contact				
Entity Name:		Hammad Khalil				
Entity Title:						
Address:		160 E. California Blvd.				
City:		Pasadena				
State:		CA				
Country:						
Zip Code:		91105-3230				
Phone:		(562) 677-6933				
Affil Type Desc:		Facility Mailing Address				
Entity Name:		Mailing Address				
Entity Title:						
Address:		160 E. California Blvd.				
City:		Pasadena				
State:		CA				
Country:						
Zip Code:		91105-3230				
Phone:						
Affil Type Desc:		UST Tank Owner				
Entity Name:		ZAQ, Inc. (Mohammad Ali & Rafay Khalil)				
Entity Title:						
Address:		160 E. California Blvd				
City:		Pasadena				
State:		CA				
Country:		United States				
Zip Code:		91105-3230				
Phone:		(562) 644-1101				
Affil Type Desc:		Property Owner				
Entity Name:		DENISE HALET BROWN				
Entity Title:						
Address:		140 Stone Pine Lane				
City:		Menlo Park				
State:		CA				
Country:		United States				
Zip Code:		94205				
Phone:		(707) 578-4255				
Affil Type Desc:		Document Preparer				
Entity Name:		Rick Martin				
Entity Title:						
Address:						
City:						
State:						
Country:						
Zip Code:						
Phone:						
Affil Type Desc:		CUPA District				
Entity Name:		Los Angeles County Fire				
Entity Title:						
Address:		5825 Rickenbacker Road				
City:		Commerce				
State:		CA				
Country:						
Zip Code:		90040-3027				
Phone:		(323) 890-4045				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Affil Type Desc:	Parent Corporation
Entity Name:	ZAQ Chevron (ZAQ, Inc., 91410)
Entity Title:	
Address:	
City:	
State:	
Country:	
Zip Code:	
Phone:	

Affil Type Desc:	UST Permit Applicant
Entity Name:	Mohammad Khalil Ali
Entity Title:	President
Address:	
City:	
State:	
Country:	
Zip Code:	
Phone:	(562) 644-1101

Affil Type Desc:	Identification Signer
Entity Name:	Mohammad Khalil Ali
Entity Title:	President
Address:	
City:	
State:	
Country:	
Zip Code:	
Phone:	

Evaluations

Eval Date:	12/10/2015
Violations Found:	No
Eval General Type:	Compliance Evaluation Inspection
Eval Type:	Routine done by local agency
Eval Division:	Pasadena Fire Department
Eval Program:	UST
Eval Source:	CERS
Eval Notes:	

; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date:	12/7/2016
Violations Found:	No
Eval General Type:	Compliance Evaluation Inspection
Eval Type:	Routine done by local agency
Eval Division:	Pasadena Fire Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval Notes:	

; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date:	12/27/2013
Violations Found:	Yes
Eval General Type:	Compliance Evaluation Inspection
Eval Type:	Routine done by local agency
Eval Division:	Pasadena Fire Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval Notes:	

1. site map must show propane cage; Note: data in [EVAL Notes] field for some records is truncated from the source.

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Eval Date:	12/27/2013
Violations Found:	Yes
Eval General Type:	Compliance Evaluation Inspection
Eval Type:	Routine done by local agency
Eval Division:	Pasadena Fire Department
Eval Program:	UST
Eval Source:	CERS
Eval Notes:	

1. submit monitoring plan onto cers; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date:	6/7/2017
Violations Found:	No
Eval General Type:	Compliance Evaluation Inspection
Eval Type:	Routine done by local agency
Eval Division:	Los Angeles County Fire Department
Eval Program:	HW
Eval Source:	CERS
Eval Notes:	

Beto Arellano; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date:	12/10/2015
Violations Found:	No
Eval General Type:	Compliance Evaluation Inspection
Eval Type:	Routine done by local agency
Eval Division:	Pasadena Fire Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval Notes:	

; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date:	4/1/2014
Violations Found:	No
Eval General Type:	Compliance Evaluation Inspection
Eval Type:	Routine done by local agency
Eval Division:	Los Angeles County Fire Department
Eval Program:	HW
Eval Source:	CERS
Eval Notes:	

; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date:	11/22/2017
Violations Found:	No
Eval General Type:	Compliance Evaluation Inspection
Eval Type:	Routine done by local agency
Eval Division:	Pasadena Fire Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval Notes:	

; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date:	11/22/2017
Violations Found:	No
Eval General Type:	Compliance Evaluation Inspection
Eval Type:	Routine done by local agency
Eval Division:	Pasadena Fire Department
Eval Program:	UST
Eval Source:	CERS
Eval Notes:	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 12/19/2014
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Pasadena Fire Department
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 12/7/2016
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Pasadena Fire Department
Eval Program: UST
Eval Source: CERS
Eval Notes:

; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 12/19/2014
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Pasadena Fire Department
Eval Program: UST
Eval Source: CERS
Eval Notes:

; Note: data in [EVAL Notes] field for some records is truncated from the source.

Violations

Violation Date: 12/27/2013
Violation Division: Pasadena Fire Department
Citation: 19 CCR 4 2729.2(a)(3) - California Code of Regulations, Title 19, Chapter 4, Section(s) 2729.2(a)(3)
Violation Notes:

Returned to compliance on 12/31/2013.; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to complete and/or submit an annotated site map if required by CUPA.

Violations

Violation Date: 12/27/2013
Violation Division: Pasadena Fire Department
Citation: 23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)
Violation Notes:

Returned to compliance on 02/04/2014.; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to maintain on site an approved monitoring plan.

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Violations

Violation Date: 12/19/2014
Violation Division: Pasadena Fire Department
Citation: 23 CCR 16 2715 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715
Violation Notes:

Returned to compliance on 01/14/2015.; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

The owner/operator has failed to comply with one or more of the following: to maintain a copy of the designated operator monthly inspections for the last 12 months

and/or

maintain a list of trained employees on-site or off-site at a readily available location, if approved by the CUPA.

Violations

Violation Date: 12/19/2014
Violation Division: Pasadena Fire Department
Citation: 23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)
Violation Notes:

Returned to compliance on 01/21/2015.; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to maintain on site an approved monitoring plan.

34	2 of 16	SSE	0.05 / 242.62	790.36 / -3	ZAQ, INC 160 E CALIFORNIA BLVD PASADENA CA 91105	EMISSIONS
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2016 Toxic Data

Facility ID:	182495	TS:	
Facility SIC Code:	5541	HRA:	
CERR CODE:		CH Index:	
COID:	LA	AH Index:	
CO:	19	Air Basin:	SC
DISN:	SOUTH COAST AQMD	District:	SC
CHAPIS:			

34	3 of 16	SSE	0.05 / 242.62	790.36 / -3	CHEVRON STATION NO 91410 160 E CALIFORNIA BLVD PASADENA CA 911053230	FINDS/FRS
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Registry ID: 110002611184
FIPS Code: 06037
Program Acronyms: CA-ENVIROVIEW, RCRAINFO
HUC Code: 18070105
Site Type Name: STATIONARY
Location Description:
Supplemental Location:
Create Date: 01-MAR-2000 00:00:00
Update Date: 14-OCT-2015 18:33:04
Interest Types: SQG, STATE MASTER
SIC Codes: 5541
SIC Code Descriptions: GASOLINE SERVICE STATIONS
NAICS Codes: 447110
NAICS Code Descriptions: GASOLINE STATIONS WITH CONVENIENCE STORES.

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Conveyor:		FRS-GEOCODE				
Federal Facility Code:						
Federal Agency Name:						
Tribal Land Code:						
Tribal Land Name:						
Congressional Dist No.:		29				
Census Block Code:		060374636024014				
EPA Region Code:		09				
County Name:		LOS ANGELES				
US/Mexico Border Ind:						
Latitude:		34.1358				
Longitude:		-118.1471				
Reference Point:		CENTER OF A FACILITY OR STATION				
Coord Collection Method:		ADDRESS MATCHING-HOUSE NUMBER				
Accuracy Value:		30				
Datum:		NAD83				
Source:						
Facility Detail Rprt URL:		http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110002611184				
34	4 of 16	SSE	0.05 / 242.62	790.36 / -3	NONE 160 E VALIFORNIA ARROYA PKWY PASADENA CA 91105	HHSS
County:		Los Angeles				
Pdf File Url:		http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00026c74.pdf				
34	5 of 16	SSE	0.05 / 242.62	790.36 / -3	BILL BARRY 160 E. CALIF. PASADENA CA 91105	HHSS
County:		Los Angeles				
Pdf File Url:		http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00026766.pdf				
34	6 of 16	SSE	0.05 / 242.62	790.36 / -3	160 E CALIFORNIA STREET PASADENA CA 911010000	HIST MANIFEST
Gen EPA ID:		CAC000702344				
Create Date:		12/17/1991 0:00:00				
Inact Date:		10/25/2000 0:00:00				
Facility Mail Street:		160 E CALIFORNIA STREET				
Facility Mail City:		PASADENA				
Facility Mail State:		CA				
Facility Mail Zip:		911010000				
Contact Phone(s):		8187929928				
File Year(s):		1991				
Contact Name(s):		DAVID NELSON/MANAGER				
<u>Tanner Information</u>						
Method Description:						
Tons:		0				
Year:		1991				
Generator County Code:		19				
Generator County:		Los Angeles				
Method Code:						
Tsd County Code:		19				
Tsd County:		Los Angeles				
State Waste Code:						
State Waste Code Desc:						
Tsd Epa ID:		CAD099452708				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<u>Tanner Information</u>						
Method Description:						
Tons:		2				
Year:		1991				
Generator County Code:		19				
Generator County:		Los Angeles				
Method Code:		R01				
Tsd County Code:		19				
Tsd County:		Los Angeles				
State Waste Code:		222				
State Waste Code Desc:		Oil/water separation sludge				
Tsd Epa ID:		CAD099452708				
34	7 of 16	SSE	0.05 / 242.62	790.36 / -3	160 E CALIFORNIA BLVD PASADENA CA 91115	LA HMS
Site No:		010059				
Area:		3J				
<u>--Details--</u>						
File No:		009918				
File Name:		CHEVRON USA SS 091410				
Status Code:		REM				
Status Desc:		Equipment Removed				
Permit No:		00001247T				
Permit Category:		T				
Permit Category Desc:		Underground Storage Tank				
Permit Status Code:		REM				
Permit Status Desc:		Equipment Removed				
Permit Type:		0				
Permit Type Desc:		Underground Storage Tank Operating Permit				
34	8 of 16	SSE	0.05 / 242.62	790.36 / -3	BILL BARRY 160 E. CALIF. PASADENA CA	HIST TANK
Owner Name:		BILL BARRY SPR. STA. INC.		No of Containers:	5	
Owner Street:		160 E. CALIF.		County:	LOS ANGELES	
Owner City:		PASADENA		Facility State:	CA	
Owner State:		CA		Facility Zip:	91105	
Owner Zip:		91105				
34	9 of 16	SSE	0.05 / 242.62	790.36 / -3	91410 160 E CALIFORNIA PASADENA CA	HIST TANK
Owner Name:		CHEVRON U.S.A. INC.		No of Containers:	4	
Owner Street:		575 MARKET		County:	LOS ANGELES	
Owner City:		SAN FRANCISCO		Facility State:	CA	
Owner State:		CA		Facility Zip:	91105	
Owner Zip:		94105				
34	10 of 16	SSE	0.05 / 242.62	790.36 / -3	1X BILBERRY CHEVRON STATION 160 E CALIFORNIA STREET PASADENA CA 911010000	HAZNET
SIC Code:				Mailing City:	PASADENA	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<hr/>						
NAICS Code:					Mailing State:	CA
EPA ID:	CAC000702344				Mailing Zip:	911010000
Create Date:	12/17/1991				Region Code:	3
Fac Act Ind:	No				Owner Name:	FRANK NELSON
Inact Date:	10/25/2000				Owner Addr 1:	--
County Code:	19				Owner Addr 2:	--
County Name:	Los Angeles				Owner City:	--
Mail Name:					Owner State:	99
Mailing Addr 1:	160 E CALIFORNIA STREET				Owner Zip:	--
Mailing Addr 2:					Owner Phone:	0000000000
Owner Fax:						
Contact Information						
--		--				
Contact Name:		DAVID NELSON/MANAGER				
Street Address 1:		--				
Street Address 2:						
City:		--				
State:		99				
Zip:		--				
Phone:		8187929928				
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34	11 of 16	SSE	0.05 / 242.62	790.36 / -3	CHEVRON 91410 160 E CALIFORNIA BLVD PASADENA CA 911050000	HAZNET
<hr/>						
SIC Code:	5541				Mailing City:	SAN RAMON
NAICS Code:	44719				Mailing State:	CA
EPA ID:	CA0000029199				Mailing Zip:	945830000
Create Date:	12/8/1995				Region Code:	3
Fac Act Ind:	Yes				Owner Name:	CHEVRON
Inact Date:					Owner Addr 1:	PO BOX 6004
County Code:	19				Owner Addr 2:	--
County Name:	Los Angeles				Owner City:	SAN RAMON
Mail Name:					Owner State:	CA
Mailing Addr 1:	PO BOX 6004				Owner Zip:	945830000
Mailing Addr 2:					Owner Phone:	8773866044
Owner Fax:	8668494435					
Contact Information						
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Contact Name:		KWAME AWUKU				
Street Address 1:		6101 BOLLINGER CANYON RD.				
Street Address 2:						
City:		SAN RAMON				
State:		CA				
Zip:		94583				
Phone:		8773866044				
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Tanner Information						
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Generator EPA ID:	CA0000029199					
Generator County Code:	19					
Generator County:	Los Angeles					
TSD EPA ID:	CAD980883177					
TSD County Code:	15					
TSD County:	Kern					
State Waste Code:	223					
State Waste Code Desc.:	Unspecified oil-containing waste					
Method Code:	R01					
Method Description:	Recycler					
Tons:	3.6487					
Year:	1994					
--		--				
Generator EPA ID:	CA0000029199					
Generator County Code:	19					

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Generator County:		Los Angeles				
TSD EPA ID:		CAD982484933				
TSD County Code:		36				
TSD County:		San Bernardino				
State Waste Code:		512				
State Waste Code Desc.:		Other empty containers 30 gallons or more				
Method Code:		R01				
Method Description:		Recycler				
Tons:		13				
Year:		1994				
--		--				
Generator EPA ID:		CA0000029199				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAD099452708				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		223				
State Waste Code Desc.:		Unspecified oil-containing waste				
Method Code:		R01				
Method Description:		Recycler				
Tons:		2.085				
Year:		1997				
--		--				
Generator EPA ID:		CA0000029199				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAD008302903				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		134				
State Waste Code Desc.:		Aqueous solution with total organic residues less than 10 percent				
Method Code:		R01				
Method Description:		Recycler				
Tons:		0.21				
Year:		2005				
--		--				
Generator EPA ID:		CA0000029199				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAD044429835				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		134				
State Waste Code Desc.:		Aqueous solution with total organic residues less than 10 percent				
Method Code:		H141				
Method Description:		STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)				
Tons:		0.105				
Year:		2015				
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Generator EPA ID:		CA0000029199				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAD044429835				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		352				
State Waste Code Desc.:		Other organic solids				
Method Code:		H141				
Method Description:		STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)				
Tons:		0.065				
Year:		2015				
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Generator EPA ID:		CA0000029199				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAD008302903				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		134				
State Waste Code Desc.:		Aqueous solution with total organic residues less than 10 percent				
Method Code:		H039				
Method Description:		OTHER RECOVERY OF RECLAMATION FOR REUSE INCLUDING ACID REGENERATION, ORGANICS RECOVERY ECT				
Tons:		0.1218				
Year:		2008				
--		--				
Generator EPA ID:		CA0000029199				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAD982444481				
TSD County Code:		36				
TSD County:		San Bernardino				
State Waste Code:		221				
State Waste Code Desc.:		Waste oil and mixed oil				
Method Code:						
Method Description:						
Tons:		0				
Year:		2008				
--		--				
Generator EPA ID:		CA0000029199				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAD982444481				
TSD County Code:		36				
TSD County:		San Bernardino				
State Waste Code:		134				
State Waste Code Desc.:		Aqueous solution with total organic residues less than 10 percent				
Method Code:		H141				
Method Description:		STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)				
Tons:		2.016				
Year:		2008				
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Generator EPA ID:		CA0000029199				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAD982444481				
TSD County Code:		36				
TSD County:		San Bernardino				
State Waste Code:		352				
State Waste Code Desc.:		Other organic solids				
Method Code:						
Method Description:						
Tons:		0				
Year:		2008				
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Generator EPA ID:		CA0000029199				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAD008302903				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		134				
State Waste Code Desc.:		Aqueous solution with total organic residues less than 10 percent				
Method Code:		H039				
Method Description:		OTHER RECOVERY OF RECLAMATION FOR REUSE INCLUDING ACID REGENERATION, ORGANICS RECOVERY ECT				
Tons:		0.147				
Year:		2009				
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Generator EPA ID:		CA0000029199				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAD982444481				
TSD County Code:		36				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
TSD County:		San Bernardino				
State Waste Code:		134				
State Waste Code Desc.:		Aqueous solution with total organic residues less than 10 percent				
Method Code:		H141				
Method Description:		STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)				
Tons:		0.105				
Year:		2009				
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Generator EPA ID:		CA0000029199				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAD044429835				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		343				
State Waste Code Desc.:		Unspecified organic liquid mixture				
Method Code:		H141				
Method Description:		STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)				
Tons:		0.6154				
Year:		2012				
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Generator EPA ID:		CA0000029199				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAD044429835				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		223				
State Waste Code Desc.:		Unspecified oil-containing waste				
Method Code:						
Method Description:						
Tons:						
Year:		2012				
--		--				
Generator EPA ID:		CA0000029199				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAD982444481				
TSD County Code:		36				
TSD County:		San Bernardino				
State Waste Code:		352				
State Waste Code Desc.:		Other organic solids				
Method Code:		H010				
Method Description:		METALS RECOVERY INCLUDING RETORING,SMELTING,CHEMICALS,ECT				
Tons:		0.035				
Year:		2012				
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Generator EPA ID:		CA0000029199				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAD044429835				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		134				
State Waste Code Desc.:		Aqueous solution with total organic residues less than 10 percent				
Method Code:		H141				
Method Description:		STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)				
Tons:		0.1075				
Year:		2013				
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Generator EPA ID:		CA0000029199				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAD044429835				
TSD County Code:		19				
TSD County:		Los Angeles				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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State Waste Code:		134				
State Waste Code Desc.:		Aqueous solution with total organic residues less than 10 percent				
Method Code:		H141				
Method Description:		STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)				
Tons:		0.34				
Year:		2014				
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Generator EPA ID:		CA0000029199				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAD044429835				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		352				
State Waste Code Desc.:		Other organic solids				
Method Code:		H141				
Method Description:		STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)				
Tons:		0.0225				
Year:		2014				
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Generator EPA ID:		CA0000029199				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAD044429835				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		512				
State Waste Code Desc.:		Other empty containers 30 gallons or more				
Method Code:		H141				
Method Description:		STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)				
Tons:		0.005				
Year:		2014				
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34	12 of 16	SSE	0.05 / 242.62	790.36 / -3	CHEVRON PRODUCTS SS#_91410 160 E CALIFORNIA BLVD PASADENA CA 911053230	HAZNET
SIC Code:	5541			Mailing City:	SAN RAMON	
NAICS Code:	44719			Mailing State:	CA	
EPA ID:	CAL000169638			Mailing Zip:	945830000	
Create Date:	7/21/1997			Region Code:	3	
Fac Act Ind:	No			Owner Name:	CHEVRON	
Inact Date:	6/30/2003			Owner Addr 1:	PO BOX 6004	
County Code:	19			Owner Addr 2:		
County Name:	Los Angeles			Owner City:	SAN RAMON	
Mail Name:	WASTE TRACKING DESK			Owner State:	CA	
Mailing Addr 1:	PO BOX 6004			Owner Zip:	945830000	
Mailing Addr 2:				Owner Phone:	8773866044	
Owner Fax:	8668494435					
Contact Information						
--	--					
Contact Name:	KATHY NORRIS-SLUSHER					
Street Address 1:	6101 BOLLINGER CANYON RD					
Street Address 2:						
City:	SAN RAMON					
State:	CA					
Zip:	945830000					
Phone:	8773866044					
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--	--					
Tanner Information						
--	--					
Generator EPA ID:	CAL000169638					

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAD008302903				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		213				
State Waste Code Desc.:		Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)				
Method Code:		R01				
Method Description:		Recycler				
Tons:		0.3336				
Year:		1998				
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Generator EPA ID:		CAL000169638				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAD008302903				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		213				
State Waste Code Desc.:		Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)				
Method Code:		H01				
Method Description:		Transfer station				
Tons:		0.0625				
Year:		1998				
--		--				
Generator EPA ID:		CAL000169638				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAD008302903				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		134				
State Waste Code Desc.:		Aqueous solution with total organic residues less than 10 percent				
Method Code:		R01				
Method Description:		Recycler				
Tons:		0.063				
Year:		1999				
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Generator EPA ID:		CAL000169638				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAD008302903				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		134				
State Waste Code Desc.:		Aqueous solution with total organic residues less than 10 percent				
Method Code:		R01				
Method Description:		Recycler				
Tons:		0.1134				
Year:		2001				
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Generator EPA ID:		CAL000169638				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAD008302903				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		134				
State Waste Code Desc.:		Aqueous solution with total organic residues less than 10 percent				
Method Code:		R01				
Method Description:		Recycler				
Tons:		0.168				
Year:		2002				
--		--				
Generator EPA ID:		CAL000169638				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAD982444481				
TSD County Code:		36				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
TSD County:		San Bernardino				
State Waste Code:		134				
State Waste Code Desc.:		Aqueous solution with total organic residues less than 10 percent				
Method Code:		H141				
Method Description:		STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)				
Tons:		0.21				
Year:		2010				
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Generator EPA ID:		CAL000169638				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAD982444481				
TSD County Code:		36				
TSD County:		San Bernardino				
State Waste Code:		134				
State Waste Code Desc.:		Aqueous solution with total organic residues less than 10 percent				
Method Code:		H141				
Method Description:		STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)				
Tons:		0.378				
Year:		2011				
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34	13 of 16	SSE	0.05 / 242.62	790.36 / -3	ZAQ SERVICE STATION 160 E CALIFORNIA BLVD PASADENA CA 911053230	HAZNET
SIC Code:	9999			Mailing City:	PASADENA	
NAICS Code:	99999			Mailing State:	CA	
EPA ID:	CAL000373417			Mailing Zip:	911053230	
Create Date:	4/9/2012			Region Code:	3	
Fac Act Ind:	Yes			Owner Name:	ZAQ INC. SERVICE STATION	
Inact Date:				Owner Addr 1:	14319 BRIDGEWOOD DR	
County Code:	19			Owner Addr 2:		
County Name:	Los Angeles			Owner City:	LA MIRADA	
Mail Name:				Owner State:	CA	
Mailing Addr 1:	160 E CALIFORNIA BLVD			Owner Zip:	906380000	
Mailing Addr 2:				Owner Phone:	5626441101	
Owner Fax:	6265787231					
Contact Information						
--		--				
Contact Name:	MOHAMMAD ALI					
Street Address 1:	14319 BRIDGEWOOD DR					
Street Address 2:						
City:	LA MIRADA					
State:	CA					
Zip:	90638					
Phone:	5626441101					
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34	14 of 16	SSE	0.05 / 242.62	790.36 / -3	NELSON CHEVERON 160 EAST CALIFORNIA PASADENA CA 911050000	HAZNET
SIC Code:		5541	Mailing City:		RANCHO CUCAMONGA	
NAICS Code:		44719	Mailing State:		CA	
EPA ID:		CAL000050112	Mailing Zip:		917390000	
Create Date:		10/3/1994	Region Code:		3	
Fac Act Ind:		No	Owner Name:		DAVID NELSON	
Inact Date:		6/30/2012	Owner Addr 1:		160 EAST CALIFORNIA	
County Code:		19	Owner Addr 2:			
County Name:		Los Angeles	Owner City:		PASADENA	
Mail Name:			Owner State:		CA	
Mailing Addr 1:		7126 PASTURE COURT	Owner Zip:		911050000	
Mailing Addr 2:			Owner Phone:		0000000000	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Owner Fax:	0000000000
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Contact Information

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Contact Name:	DAVID NELSON
Street Address 1:	160 EAST CALIFORNIA
Street Address 2:	
City:	PASADENA
State:	CA
Zip:	911050000
Phone:	6267929928

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Tanner Information

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Generator EPA ID:	CAL000050112
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	CAD980883177
TSD County Code:	15
TSD County:	Kern
State Waste Code:	223
State Waste Code Desc.:	Unspecified oil-containing waste
Method Code:	R01
Method Description:	Recycler
Tons:	0.2418
Year:	1995

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Generator EPA ID:	CAL000050112
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	CAT000613893
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	134
State Waste Code Desc.:	Aqueous solution with total organic residues less than 10 percent
Method Code:	H01
Method Description:	Transfer station
Tons:	0.1092
Year:	1999

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Generator EPA ID:	CAL000050112
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	CAT000613893
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	134
State Waste Code Desc.:	Aqueous solution with total organic residues less than 10 percent
Method Code:	
Method Description:	
Tons:	0
Year:	1999

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34	15 of 16	SSE	0.05 / 242.62	790.36 / -3	ZAQ SERVICE STATION 160 E CALIFORNIA BLVD PASADENA CA 91105-3230	RCRA NON GEN
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EPA Handler ID:	CAL000373417
Gen Status Universe:	No Report
Contact Name:	MOHAMMAD ALI
Contact Address:	14319 BRIDGEWOOD DR , , LA MIRADA , CA, 90638 ,
Contact Phone No and Ext:	562-644-1101
Contact Email:	CARMENITA76@GMAIL.COM
Contact Country:	
County Name:	LOS ANGELES
EPA Region:	09

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Land Type:
Receive Date: 20120409

Violation/Evaluation Summary

Note: NO RECORDS: As of Dec 2018, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: Yes
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20120409
Handler Name: ZAQ SERVICE STATION
Generator Status Universe: No Report
Source Type: Implementer

Owner/Operator Details

Owner/Operator Ind:	Current Owner	Street No:	
Type:	Other	Street 1:	14319 BRIDGEWOOD DR
Name:	ZAQ INC. SERVICE STATION	Street 2:	
Date Became Current:		City:	LA MIRADA
Date Ended Current:		State:	CA
Phone:	562-644-1101	Country:	
Source Type:	Implementer	Zip Code:	90638-0000

Owner/Operator Ind:	Current Operator	Street No:	
Type:	Other	Street 1:	14319 BRIDGEWOOD DR
Name:	MOHAMMAD ALI	Street 2:	
Date Became Current:		City:	LA MIRADA
Date Ended Current:		State:	CA
Phone:	562-644-1101	Country:	
Source Type:	Implementer	Zip Code:	90638

34	16 of 16	SSE	0.05 / 242.62	790.36 / -3	CHEVRON STATION NO 91410 160 E CALIFORNIA BLVD PASADENA CA 91105-3230	RCRA SQG
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EPA Handler ID: CA0000029199
Gen Status Universe: Small Quantity Generator
Contact Name: KATHY NORRIS
Contact Address: P O BOX 6004 , , SAN RAMON , CA, 94583 , US
Contact Phone No and Ext: 925-842-5931
Contact Email:
Contact Country: US

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
County Name:		LOS ANGELES				
EPA Region:		09				
Land Type:		Private				
Receive Date:		20020617				
<u>Violation/Evaluation Summary</u>						
Note:		NO RECORDS: As of Dec 2018, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).				
<u>Handler Summary</u>						
Importer Activity:		No				
Mixed Waste Generator:		No				
Transporter Activity:		No				
Transfer Facility:		No				
Onsite Burner Exemption:		No				
Furnace Exemption:		No				
Underground Injection Activity:		No				
Commercial TSD:		No				
Used Oil Transporter:		No				
Used Oil Transfer Facility:		No				
Used Oil Processor:		No				
Used Oil Refiner:		No				
Used Oil Burner:		No				
Used Oil Market Burner:		No				
Used Oil Spec Marketer:		No				
<u>Hazardous Waste Handler Details</u>						
Sequence No:		1				
Receive Date:		20020617				
Handler Name:		CHEVRON STATION NO 91410				
Generator Status Universe:		Small Quantity Generator				
Source Type:		Notification				
<u>Waste Code Details</u>						
Hazardous Waste Code:		D001				
Waste Code Description:		IGNITABLE WASTE				
Hazardous Waste Code:		D018				
Waste Code Description:		BENZENE				
<u>Owner/Operator Details</u>						
Owner/Operator Ind:		Current Owner			Street No:	
Type:		Private			Street 1:	
Name:		CHEVRON PRODUCTS CO			Street 2:	
Date Became Current:					City:	
Date Ended Current:					State:	
Phone:		925-842-5931			Country:	
Source Type:		Notification			Zip Code:	
35	1 of 2	SSW	0.05 / 271.15	782.18 / -11	Allmetal Mfg 617 S RAYMOND AVE PASADENA CA 91105	CERS HAZ
Site ID:		91152				
Latitude:		34.135340				
Longitude:		-118.148860				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Regulated Programs

EI ID:	10307176	EI Description:	Chemical Storage Facilities
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Violations

Violation Date:	5/14/2014
Violation Division:	Pasadena Fire Department
Violation Program:	HMRRP
Violation Source:	CERS
Citation:	HSC 6.95 25505(c) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(c)
Violation Notes:	

Returned to compliance on 12/09/2014.; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to review, revise, and recertify the business plan at least once every three years.

Violations

Violation Date:	5/14/2014
Violation Division:	Pasadena Fire Department
Violation Program:	HMRRP
Violation Source:	CERS
Citation:	HSC 6.95 25504(b) - California Health and Safety Code, Chapter 6.95, Section(s) 25504(b)
Violation Notes:	

Returned to compliance on 12/09/2014.; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to include adequate emergency response procedures in the business plan for a release or threatened release.

Violations

Violation Date:	5/14/2014
Violation Division:	Pasadena Fire Department
Violation Program:	HMRRP
Violation Source:	CERS
Citation:	19 CCR 4 2729.2(a)(3) - California Code of Regulations, Title 19, Chapter 4, Section(s) 2729.2(a)(3)
Violation Notes:	

Returned to compliance on 12/09/2014.; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to complete and/or submit an annotated site map if required by CUPA.

Violations

Violation Date:	5/14/2014
Violation Division:	Pasadena Fire Department
Violation Program:	HMRRP
Violation Source:	CERS
Citation:	19 CCR 4 2729.2(a)(1) - California Code of Regulations, Title 19, Chapter 4, Section(s) 2729.2(a)(1)
Violation Notes:	

Returned to compliance on 12/09/2014.; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Owner/Operator failed to complete and/or submit the Business Activities Page and/or Business Owner Operator Identification Page.

Violations

Violation Date: 5/14/2014
Violation Division: Pasadena Fire Department
Violation Program: HMRRP
Violation Source: CERS
Citation: HSC 6.95 25504(c) - California Health and Safety Code, Chapter 6.95, Section(s) 25504(c)
Violation Notes:

Returned to compliance on 12/09/2014.; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to include an adequate training program in the business plan, which is reasonable and appropriate for the size of the business and the nature of the hazardous material handled.

Violations

Violation Date: 5/14/2014
Violation Division: Pasadena Fire Department
Violation Program: HMRRP
Violation Source: CERS
Citation: HSC 6.95 25510 - California Health and Safety Code, Chapter 6.95, Section(s) 25510
Violation Notes:

Returned to compliance on 12/09/2014.; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to update hazardous material inventory within 30 days when one of the following occurs:
 A 100 percent or more increase in the quantity of a previously disclosed material.
 Any handling of a previously undisclosed hazardous materials A change of business address, business ownership, or business name.

Violations

Violation Date: 5/14/2014
Violation Division: Pasadena Fire Department
Violation Program: HMRRP
Violation Source: CERS
Citation: HSC 6.95 25505(a) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)
Violation Notes:

Returned to compliance on 12/09/2014.; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Owner/Operator failed to complete and/or submit a Hazardous Materials Business Plan when storing hazardous materials at or above the thresholds quantities of 55 gallons/500 lbs/200 cubic feet.

Violations

Violation Date: 5/14/2014
Violation Division: Pasadena Fire Department
Violation Program: HMRRP
Violation Source: CERS
Citation: HSC 6.95 25504(a) - California Health and Safety Code, Chapter 6.95, Section(s) 25504(a)
Violation Notes:

Returned to compliance on 12/09/2014.; Note: data in [Violation Notes] field for some records is truncated from the source.

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Violation Description:

Failure to complete and/or submit hazardous material inventory forms for all reportable hazardous materials on site.

Violations

Violation Date: 5/14/2014
Violation Division: Pasadena Fire Department
Violation Program: HMRRP
Violation Source: CERS
Citation: HSC 6.95 25507 - California Health and Safety Code, Chapter 6.95, Section(s) 25507
Violation Notes:

Returned to compliance on 12/09/2014.; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure of business to report a release or threatened release of a hazardous material to the administering agency and CalEMA.

Violations

Violation Date: 5/14/2014
Violation Division: Pasadena Fire Department
Violation Program: HMRRP
Violation Source: CERS
Citation: HSC 6.95 25504(c) - California Health and Safety Code, Chapter 6.95, Section(s) 25504(c)
Violation Notes:

Returned to compliance on 12/09/2014.; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to include provisions in the business plan to ensure that appropriate personnel receive initial and annual training.

Evaluations

Eval Date: 5/14/2014
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Pasadena Fire Department
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

; Note: data in [EVAL Notes] field for some records is truncated from the source.

Affiliations

Affil Type Desc: Legal Owner
Entity Name: Richard Mione
Entity Title:
Address: 617 S RAYMOND AVE
City: PASADENA
State: CA
Country: United States
Zip Code: 91105
Phone: (626) 419-1601

Affil Type Desc: Identification Signer
Entity Name: Richard Mione
Entity Title: President

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Address: City: State: Country: Zip Code: Phone:						
Affil Type Desc: Operator Entity Name: Allmetal Mfg Entity Title: Address: City: State: Country: Zip Code: Phone: (626) 449-6191						
Affil Type Desc: CUPA District Entity Name: Los Angeles County Fire Entity Title: Address: 5825 Rickenbacker Road City: Commerce State: CA Country: Zip Code: 90040-3027 Phone: (323) 890-4045						
Affil Type Desc: Facility Mailing Address Entity Name: Mailing Address Entity Title: Address: 617 S RAYMOND AVE City: PASADENA State: CA Country: Zip Code: 91105 Phone:						
Affil Type Desc: Parent Corporation Entity Name: Allmetal Mfg Entity Title: Address: City: State: Country: Zip Code: Phone:						
Affil Type Desc: Environmental Contact Entity Name: Richard Mione Entity Title: Address: 617 S RAYMOND AVE City: PASADENA State: CA Country: Zip Code: 91105 Phone: (626) 449-6191						
<u>Coordinates</u>						
Env Int Type Code:	HMBP			Longitude:	-118.148860	
Program ID:	10307176			Coord Name:		
Latitude:	34.135340			Ref Point Type Desc:	Center of a facility or station.	
35	2 of 2	SSW	0.05 / 271.15	782.18 / -11	ALLMETAL MFG 617 S RAYMOND AVE PASADENA CA 91105	FINDS/FRS

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Registry ID: FIPS Code: Program Acronyms: HUC Code: Site Type Name: Location Description: Supplemental Location: Create Date: Update Date: Interest Types: SIC Codes: SIC Code Descriptions: NAICS Codes: NAICS Code Descriptions: Conveyor: Federal Facility Code: Federal Agency Name: Tribal Land Code: Tribal Land Name: Congressional Dist No.: Census Block Code: EPA Region Code: County Name: US/Mexico Border Ind: Latitude: Longitude: Reference Point: Coord Collection Method: Accuracy Value: Datum: Source: Facility Detail Rprt URL:		110066359764				
		CA-ENVIROVIEW				
		18070105				
		STATIONARY				
		14-OCT-2015 11:09:37				
		STATE MASTER				
		3444				
		SHEET METALWORK				
		FRS-GEOCODE				
		29				
		060374640005005				
		09				
		LOS ANGELES				
		34.135362				
		-118.148806				
		ENTRANCE POINT OF A FACILITY OR STATION				
		ADDRESS MATCHING-HOUSE NUMBER				
		50				
		NAD83				
		http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110066359764				

36	1 of 11	NNW	0.05 / 272.13	803.72 / 10	ROGERSON KRATOS 403 S RAYMOND AVE S PASADENA CA 91105	CERS HAZ
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Site ID: 148782
Latitude: 34.138880
Longitude: -118.148870

Regulated Programs

EI ID:	10309555	EI Description:	Chemical Storage Facilities
EI ID:	10309555	EI Description:	Hazardous Waste Generator

Violations

Violation Date: 4/25/2014
Violation Division: Pasadena Fire Department
Violation Program: HMRRP
Violation Source: CERS
Citation: HSC 6.95 25505(c) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(c)
Violation Notes:

Returned to compliance on 07/11/2014.; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to review, revise, and recertify the business plan at least once every three years.

Violations

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Violation Date: 4/25/2014
Violation Division: Pasadena Fire Department
Violation Program: HMRRP
Violation Source: CERS
Citation: 19 CCR 4 2729.2(a)(3) - California Code of Regulations, Title 19, Chapter 4, Section(s) 2729.2(a)(3)
Violation Notes:

Returned to compliance on 07/11/2014.; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to complete and/or submit an annotated site map if required by CUPA.

Violations

Violation Date: 4/25/2014
Violation Division: Pasadena Fire Department
Violation Program: HMRRP
Violation Source: CERS
Citation: HSC 6.95 25504(b) - California Health and Safety Code, Chapter 6.95, Section(s) 25504(b)
Violation Notes:

Returned to compliance on 07/11/2014.; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to include adequate emergency response procedures in the business plan for a release or threatened release.

Violations

Violation Date: 4/25/2014
Violation Division: Pasadena Fire Department
Violation Program: HMRRP
Violation Source: CERS
Citation: HSC 6.95 25510 - California Health and Safety Code, Chapter 6.95, Section(s) 25510
Violation Notes:

Returned to compliance on 07/11/2014.; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to update hazardous material inventory within 30 days when one of the following occurs:
 A 100 percent or more increase in the quantity of a previously disclosed material.
 Any handling of a previously undisclosed hazardous materials A change of business address, business ownership, or business name.

Violations

Violation Date: 4/25/2014
Violation Division: Pasadena Fire Department
Violation Program: HMRRP
Violation Source: CERS
Citation: HSC 6.95 25505(a) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)
Violation Notes:

Returned to compliance on 07/11/2014.; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Owner/Operator failed to complete and/or submit a Hazardous Materials Business Plan when storing hazardous materials at or above the thresholds quantities of 55 gallons/500 lbs/200 cubic feet.

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Violations

Violation Date: 4/25/2014
Violation Division: Pasadena Fire Department
Violation Program: HMRRP
Violation Source: CERS
Citation: HSC 6.95 25504(c) - California Health and Safety Code, Chapter 6.95, Section(s) 25504(c)
Violation Notes:

Returned to compliance on 07/11/2014.; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to include an adequate training program in the business plan, which is reasonable and appropriate for the size of the business and the nature of the hazardous material handled.

Violations

Violation Date: 4/25/2014
Violation Division: Pasadena Fire Department
Violation Program: HMRRP
Violation Source: CERS
Citation: HSC 6.95 25504(c) - California Health and Safety Code, Chapter 6.95, Section(s) 25504(c)
Violation Notes:

Returned to compliance on 07/11/2014.; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to include provisions in the business plan to ensure that appropriate personnel receive initial and annual training.

Violations

Violation Date: 4/25/2014
Violation Division: Pasadena Fire Department
Violation Program: HMRRP
Violation Source: CERS
Citation: HSC 6.95 25504(a) - California Health and Safety Code, Chapter 6.95, Section(s) 25504(a)
Violation Notes:

Returned to compliance on 07/11/2014.; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to complete and/or submit hazardous material inventory forms for all reportable hazardous materials on site.

Evaluations

Eval Date: 3/29/2018
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Pasadena Fire Department
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 1/4/2016
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Eval Division:	Los Angeles County Fire Department
Eval Program:	HW
Eval Source:	CERS
Eval Notes:	

Daniel Gaw; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date:	4/25/2014
Violations Found:	Yes
Eval General Type:	Compliance Evaluation Inspection
Eval Type:	Routine done by local agency
Eval Division:	Pasadena Fire Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval Notes:	

; Note: data in [EVAL Notes] field for some records is truncated from the source.

Affiliations

Affil Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	
Address:	403 S RAYMOND
City:	PASADENA
State:	CA
Country:	
Zip Code:	91105
Phone:	

Affil Type Desc:	Parent Corporation
Entity Name:	ROGERSON KRATOS
Entity Title:	
Address:	
City:	
State:	
Country:	
Zip Code:	
Phone:	

Affil Type Desc:	Legal Owner
Entity Name:	ROGERSON AIRCRAFT CORPORATION
Entity Title:	
Address:	2201 ALTON PKWY
City:	IRVINE
State:	CA
Country:	United States
Zip Code:	92606
Phone:	(626) 449-3090

Affil Type Desc:	Environmental Contact
Entity Name:	Fred Lucas
Entity Title:	
Address:	2201 Alton Pkwy
City:	Irvine
State:	CA
Country:	
Zip Code:	92606
Phone:	(626) 449-3090

Affil Type Desc:	Operator
Entity Name:	Fred Lucas
Entity Title:	
Address:	
City:	
State:	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Country: Zip Code: Phone: (661) 537-3568 Affil Type Desc: CUPA District Entity Name: Los Angeles County Fire Entity Title: Address: 5825 Rickenbacker Road City: Commerce State: CA Country: Zip Code: 90040-3027 Phone: (323) 890-4045						

36	2 of 11	NNW	0.05 / 272.13	803.72 / 10	KRATOS INSTRUMENT DIV 403 S RAYMOND AV PASADENA CA 91109	EMISSIONS
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1987 Criteria Data

Facility ID:	5690	CERR Code:	
Facility SIC Code:	3679	TOGT:	4.4
CO:	19	ROGT:	.3872
Air Basin:	SC	COT:	
District:	SC	NOXT:	
COID:	LA	SOXT:	
DISN:	SOUTH COAST AQMD	PMT:	0
CHAPIS:		PM10T:	0

1987 Toxic Data

Facility ID:	5690	COID:	LA
Facility SIC Code:	3679	DISN:	SOUTH COAST AQMD
CO:	19	CHAPIS:	
Air Basin:	SC	CERR Code:	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

36	3 of 11	NNW	0.05 / 272.13	803.72 / 10	ROGERSON- KRATOS,INC 403 S RAYMOND AVE PASADENA CA 91105	EMISSIONS
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2015 Toxic Data

Facility ID:	5690	COID:	LA
Facility SIC Code:	3629	DISN:	SOUTH COAST AQMD
CO:	19	CHAPIS:	
Air Basin:	SC	CERR Code:	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2016 Toxic Data

Facility ID:	5690	TS:	
Facility SIC Code:	3629	HRA:	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
CERR CODE:					CH Index:	
COID:	LA				AH Index:	
CO:	19				Air Basin:	SC
DISN:	SOUTH COAST AQMD				District:	SC
CHAPIS:						

36	4 of 11	NNW	0.05 / 272.13	803.72 / 10	ROGERSON KRATOS 403 S RAYMOND AV PASADENA CA 91109	EMISSIONS
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1990 Criteria Data

Facility ID:	5690	CERR Code:	
Facility SIC Code:	36	TOGT:	1.9
CO:	19	ROGT:	.6776
Air Basin:	SC	COT:	
District:	SC	NOXT:	
COID:	LA	SOXT:	
DISN:	SOUTH COAST AQMD	PMT:	0
CHAPIS:		PM10T:	0

1990 Toxic Data

Facility ID:	5690	COID:	LA
Facility SIC Code:	36	DISN:	SOUTH COAST AQMD
CO:	19	CHAPIS:	
Air Basin:	SC	CERR Code:	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

36	5 of 11	NNW	0.05 / 272.13	803.72 / 10	ROGERSON KRATOS 403 S RAYMOND AVE PASADENA CA 91109	FINDS/FRS
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Registry ID:	110002836370
FIPS Code:	06037
Program Acronyms:	CA-ENVIROVIEW, RCRAINFO
HUC Code:	18070105
Site Type Name:	STATIONARY
Location Description:	
Supplemental Location:	
Create Date:	01-MAR-2000 00:00:00
Update Date:	14-OCT-2015 12:42:33
Interest Types:	SQG, STATE MASTER
SIC Codes:	3429
SIC Code Descriptions:	HARDWARE, NOT ELSEWHERE CLASSIFIED
NAICS Codes:	334511
NAICS Code Descriptions:	SEARCH, DETECTION, NAVIGATION, GUIDANCE, AERONAUTICAL, AND NAUTICAL SYSTEM AND INSTRUMENT MANUFACTURING.
Conveyor:	FRS-GEocode
Federal Facility Code:	
Federal Agency Name:	
Tribal Land Code:	
Tribal Land Name:	
Congressional Dist No.:	29
Census Block Code:	060374636024002
EPA Region Code:	09
County Name:	LOS ANGELES
US/Mexico Border Ind:	
Latitude:	34.138801
Longitude:	-118.148814

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Reference Point:		ENTRANCE POINT OF A FACILITY OR STATION				
Coord Collection Method:		ADDRESS MATCHING-HOUSE NUMBER				
Accuracy Value:		50				
Datum:		NAD83				
Source:						
Facility Detail Rprt URL:		http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110002836370				
36	6 of 11	NNW	0.05 / 272.13	803.72 / 10	403 S RAYMOND AVE PASADENA CA 911050000	HIST MANIFEST
Gen EPA ID:		CAD081728172				
Create Date:		03/11/1983 0:00				
Inact Date:		03/05/1998 0:00				
Facility Mail Street:		2201 ALTON PKWY				
Facility Mail City:		IRVINE				
Facility Mail State:		CA				
Facility Mail Zip:		926060000				
Contact Phone(s):		7144422341				
File Year(s):		1982; 1983; 1984				
Contact Name(s):		M R PIZINGER-DEACT CLOSED -PH				
<u>Tanner Information</u>						
Method Description:						
Tons:		0				
Year:		1982				
Generator County Code:		19				
Generator County:		Los Angeles				
Method Code:						
Tsd County Code:		19				
Tsd County:		Los Angeles				
State Waste Code:						
State Waste Code Desc:						
Tsd Epa ID:		CAD097465132				
<u>Tanner Information</u>						
Method Description:						
Tons:		0				
Year:		1983				
Generator County Code:		19				
Generator County:		Los Angeles				
Method Code:						
Tsd County Code:		19				
Tsd County:		Los Angeles				
State Waste Code:						
State Waste Code Desc:						
Tsd Epa ID:		CAD097465132				
<u>Tanner Information</u>						
Method Description:						
Tons:		0				
Year:		1984				
Generator County Code:		19				
Generator County:		Los Angeles				
Method Code:						
Tsd County Code:		19				
Tsd County:		Los Angeles				
State Waste Code:						
State Waste Code Desc:						
Tsd Epa ID:		CAD097465132				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Tanner Information

Method Description:

Tons:	0
Year:	1984
Generator County Code:	19
Generator County:	Los Angeles
Method Code:	1
Tsd County Code:	19
Tsd County:	Los Angeles
State Waste Code:	211
State Waste Code Desc:	Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)
Tsd Epa ID:	CAD097465132

Tanner Information

Method Description:

Tons:	0.22
Year:	1982
Generator County Code:	19
Generator County:	Los Angeles
Method Code:	R01
Tsd County Code:	19
Tsd County:	Los Angeles
State Waste Code:	211
State Waste Code Desc:	Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)
Tsd Epa ID:	CAD097465132

Tanner Information

Method Description:

Tons:	2.91
Year:	1983
Generator County Code:	19
Generator County:	Los Angeles
Method Code:	R01
Tsd County Code:	19
Tsd County:	Los Angeles
State Waste Code:	211
State Waste Code Desc:	Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)
Tsd Epa ID:	CAD097465132

36	7 of 11	NNW	0.05 / 272.13	803.72 / 10	403 S RAYMOND AVE PASADENA CA 911052609	HIST MANIFEST
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Gen EPA ID:	CAD982506933
Create Date:	6/29/1990 0:00:00
Inact Date:	
Facility Mail Street:	2201 ALTON PKWY
Facility Mail City:	IRVINE
Facility Mail State:	CA
Facility Mail Zip:	926060000
Contact Phone(s):	6264493090
File Year(s):	1989; 1990; 1991
Contact Name(s):	FRED LUKAS EXT 3358

Tanner Information

Method Description:

Tons:	0.62
Year:	1989
Generator County Code:	19

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Generator County:		Los Angeles				
Method Code:		R01				
Tsd County Code:		19				
Tsd County:		Los Angeles				
State Waste Code:		211				
State Waste Code Desc:		Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)				
Tsd Epa ID:		CAD008364432				

Tanner Information

Method Description:

Tons: 0.62
Year: 1991
Generator County Code: 19
Generator County: Los Angeles
Method Code: R01
Tsd County Code: 19
Tsd County: Los Angeles
State Waste Code: 214
State Waste Code Desc: Unspecified solvent mixture
Tsd Epa ID: CAD008364432

Tanner Information

Method Description:

Tons: 0.41
Year: 1990
Generator County Code: 19
Generator County: Los Angeles
Method Code: R01
Tsd County Code: 19
Tsd County: Los Angeles
State Waste Code: 214
State Waste Code Desc: Unspecified solvent mixture
Tsd Epa ID: CAD008364432

Tanner Information

Method Description:

Tons: 0
Year: 1990
Generator County Code: 19
Generator County: Los Angeles
Method Code:
Tsd County Code: 19
Tsd County: Los Angeles
State Waste Code:
State Waste Code Desc:
Tsd Epa ID: CAD008364432

Tanner Information

Method Description:

Tons: 0
Year: 1991
Generator County Code: 19
Generator County: Los Angeles
Method Code:
Tsd County Code: 19
Tsd County: Los Angeles
State Waste Code:
State Waste Code Desc:
Tsd Epa ID: CAD008364432

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Tanner Information

Method Description:

Tons: 0
Year: 1989
Generator County Code: 19
Generator County: Los Angeles
Method Code:
Tsd County Code: 19
Tsd County: Los Angeles
State Waste Code:
State Waste Code Desc:
Tsd Epa ID: CAD008364432

Tanner Information

Method Description:

Tons: 1.7
Year: 1990
Generator County Code: 19
Generator County: Los Angeles
Method Code: R01
Tsd County Code: 19
Tsd County: Los Angeles
State Waste Code: 211
State Waste Code Desc: Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)
Tsd Epa ID: CAD008364432

Tanner Information

Method Description:

Tons: 1.04
Year: 1991
Generator County Code: 19
Generator County: Los Angeles
Method Code: R01
Tsd County Code: 19
Tsd County: Los Angeles
State Waste Code: 211
State Waste Code Desc: Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)
Tsd Epa ID: CAD008364432

[36](#)

8 of 11

NNW

0.05 /
272.13

803.72 /
10

**KRATOS INC AVIATION
 PRODUCTS DIV
 403 S RAYMOND AVE
 PASADENA CA 911050000**

HAZNET

SIC Code:
NAICS Code:
EPA ID: CAD081728172
Create Date: 3/11/1983
Fac Act Ind: No
Inact Date: 3/5/1998
County Code: 19
County Name: Los Angeles
Mail Name:
Mailing Addr 1: 2201 ALTON PKWY
Mailing Addr 2:
Owner Fax:

Mailing City: IRVINE
Mailing State: CA
Mailing Zip: 926060000
Region Code: 3
Owner Name: ROGERSON KRATOS
Owner Addr 1: 2201 ALTON PKWY
Owner Addr 2:
Owner City: IRVINE
Owner State: CA
Owner Zip: 926060000
Owner Phone: 7144422341

Contact Information

Contact Name: M R PIZINGER-DEACT CLOSED -PH
Street Address 1: 2201 ALTON PKWY
Street Address 2:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
City: State: Zip: Phone: --		IRVINE CA 926060000 7144422341 --				
36	9 of 11	NNW	0.05 / 272.13	803.72 / 10	ROGERSON AIRCRAFT CORP 403 S RAYMOND AVE PASADENA CA 911052609	HAZNET
SIC Code: NAICS Code: EPA ID: Create Date: Fac Act Ind: Inact Date: County Code: County Name: Mail Name: Mailing Addr 1: Mailing Addr 2: Owner Fax:		CAC002626134 1/23/2008 No 7/22/2008 19 Los Angeles 2201 ALTON PKWY		Mailing City: Mailing State: Mailing Zip: Region Code: Owner Name: Owner Addr 1: Owner Addr 2: Owner City: Owner State: Owner Zip: Owner Phone:	IRVINE CA 926065033 3 ROGERSON AIRCRAFT CORP 2201 ALTON PKWY IRVINE CA 926065033 9494422326	
Contact Information						
--		--				
Contact Name: Street Address 1: Street Address 2: City: State: Zip: Phone: -- --		ROY FEINBERG 2201 ALTON PKWY IRVINE CA 926065033 9494422326 -- --				
Tanner Information						
--		--				
Generator EPA ID: Generator County Code: Generator County: TSD EPA ID: TSD County Code: TSD County: State Waste Code: State Waste Code Desc.: Method Code: Method Description: Tons: Year: --		CAC002626134 19 Los Angeles CAD009007626 19 Los Angeles 151 Asbestos containing waste H132 LANDFILL OR SURFACE IMPOUNDMENT THAT WILL BE CLOSED AS LANDFILL(TO INCLUDE ON-SITE TREATMENT AND/OR STABILIZATION) 1.6 2008 --				
36	10 of 11	NNW	0.05 / 272.13	803.72 / 10	ROGERSON KRATOS 403 S RAYMOND AVE PASADENA CA 911052609	HAZNET
SIC Code: NAICS Code: EPA ID: Create Date: Fac Act Ind: Inact Date: County Code: County Name: Mail Name: Mailing Addr 1: Mailing Addr 2:		3812 334511 CAD982506933 6/29/1990 Yes 19 Los Angeles 2201 ALTON PKWY		Mailing City: Mailing State: Mailing Zip: Region Code: Owner Name: Owner Addr 1: Owner Addr 2: Owner City: Owner State: Owner Zip: Owner Phone:	IRVINE CA 926060000 3 ROGERSON AIRCRAFT CORP(M ROGERSON) 2201 ALTON PKWY IRVINE CA 926060000 9496600666	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Owner Fax:		9494422322				
Contact Information						
--		--				
Contact Name:		FRED LUKAS EXT 3358				
Street Address 1:		403 S RAYMOND AVE				
Street Address 2:						
City:		PASADENA				
State:		CA				
Zip:		91109				
Phone:		6264493090				
--		--				
--		--				
Tanner Information						
--		--				
Generator EPA ID:		CAD982506933				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAD000088252				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		513				
State Waste Code Desc.:		Empty containers less than 30 gallons				
Method Code:		H01				
Method Description:		Transfer station				
Tons:		1.0721				
Year:		1993				
--		--				
Generator EPA ID:		CAD982506933				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAD000088252				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		343				
State Waste Code Desc.:		Unspecified organic liquid mixture				
Method Code:		H01				
Method Description:		Transfer station				
Tons:		0.289				
Year:		1993				
--		--				
Generator EPA ID:		CAD982506933				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAD000088252				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		343				
State Waste Code Desc.:		Unspecified organic liquid mixture				
Method Code:						
Method Description:						
Tons:		0.561				
Year:		1993				
--		--				
Generator EPA ID:		CAD982506933				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAD000088252				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		223				
State Waste Code Desc.:		Unspecified oil-containing waste				
Method Code:						
Method Description:						
Tons:		0.688				
Year:		1993				
--		--				
Generator EPA ID:		CAD982506933				
Generator County Code:		19				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Generator County:		Los Angeles				
TSD EPA ID:		CAD000088252				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:						
State Waste Code Desc.:						
Method Code:		H01				
Method Description:		Transfer station				
Tons:		0				
Year:		1993				
--		--				
Generator EPA ID:		CAD982506933				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		AZR000501510				
TSD County Code:		99				
TSD County:		Unknown				
State Waste Code:		513				
State Waste Code Desc.:		Empty containers less than 30 gallons				
Method Code:		H141				
Method Description:		STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)				
Tons:		0.125				
Year:		2009				
--		--				
Generator EPA ID:		CAD982506933				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		AZR000501510				
TSD County Code:		99				
TSD County:		Unknown				
State Waste Code:		331				
State Waste Code Desc.:		Off-specification, aged or surplus organics				
Method Code:		H141				
Method Description:		STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)				
Tons:		0.45				
Year:		2009				
--		--				
Generator EPA ID:		CAD982506933				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAD008252405				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		331				
State Waste Code Desc.:		Off-specification, aged or surplus organics				
Method Code:		H141				
Method Description:		STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)				
Tons:		0.025				
Year:		2009				
--		--				
Generator EPA ID:		CAD982506933				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAD008252405				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		331				
State Waste Code Desc.:		Off-specification, aged or surplus organics				
Method Code:		H061				
Method Description:		FUEL BLENDING PRIOR TO ENERGY RECOVERY AT ANOTHER SITE				
Tons:		0.88				
Year:		2009				
--		--				
Generator EPA ID:		CAD982506933				
Generator County Code:		19				
Generator County:		Los Angeles				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
TSD EPA ID:		CAD008488025				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		791				
State Waste Code Desc.:		Liquids with pH <= 2				
Method Code:		H039				
Method Description:		OTHER RECOVERY OF RECLAMATION FOR REUSE INCLUDING ACID REGENERATION, ORGANICS RECOVERY ECT				
Tons:		0.06255				
Year:		2009				
--		--				
Generator EPA ID:		CAD982506933				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAD028409019				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		551				
State Waste Code Desc.:		Laboratory waste chemicals				
Method Code:		H141				
Method Description:		STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)				
Tons:		0.095				
Year:		2009				
--		--				
Generator EPA ID:		CAD982506933				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAD009007626				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		151				
State Waste Code Desc.:		Asbestos containing waste				
Method Code:		H132				
Method Description:		LANDFILL OR SURFACE IMPOUNDMENT THAT WILL BE CLOSED AS LANDFILL(TO INCLUDE ON-SITE TREATMENT AND/OR STABILIZATION)				
Tons:		0.4				
Year:		2009				
--		--				
Generator EPA ID:		CAD982506933				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		AZC950823111				
TSD County Code:		99				
TSD County:		Unknown				
State Waste Code:		151				
State Waste Code Desc.:		Asbestos containing waste				
Method Code:		H132				
Method Description:		LANDFILL OR SURFACE IMPOUNDMENT THAT WILL BE CLOSED AS LANDFILL(TO INCLUDE ON-SITE TREATMENT AND/OR STABILIZATION)				
Tons:		5.2				
Year:		2010				
--		--				
Generator EPA ID:		CAD982506933				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		AZR000501510				
TSD County Code:		99				
TSD County:		Unknown				
State Waste Code:		331				
State Waste Code Desc.:		Off-specification, aged or surplus organics				
Method Code:		H141				
Method Description:		STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)				
Tons:		0.2				
Year:		2010				
--		--				
Generator EPA ID:		CAD982506933				
Generator County Code:		19				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Generator County:		Los Angeles				
TSD EPA ID:		AZR000501510				
TSD County Code:		99				
TSD County:		Unknown				
State Waste Code:		513				
State Waste Code Desc.:		Empty containers less than 30 gallons				
Method Code:		H141				
Method Description:		STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)				
Tons:		0.05				
Year:		2010				
--		--				
Generator EPA ID:		CAD982506933				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAD008252405				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		331				
State Waste Code Desc.:		Off-specification, aged or surplus organics				
Method Code:		H141				
Method Description:		STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)				
Tons:		0.005				
Year:		2010				
--		--				
Generator EPA ID:		CAD982506933				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAD008252405				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		331				
State Waste Code Desc.:		Off-specification, aged or surplus organics				
Method Code:		H061				
Method Description:		FUEL BLENDING PRIOR TO ENERGY RECOVERY AT ANOTHER SITE				
Tons:		0.625				
Year:		2010				
--		--				
Generator EPA ID:		CAD982506933				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAD028409019				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		551				
State Waste Code Desc.:		Laboratory waste chemicals				
Method Code:		H141				
Method Description:		STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)				
Tons:		0.026				
Year:		2010				
--		--				
Generator EPA ID:		CAD982506933				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		AZR000501510				
TSD County Code:		99				
TSD County:		Unknown				
State Waste Code:		331				
State Waste Code Desc.:		Off-specification, aged or surplus organics				
Method Code:		H141				
Method Description:		STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)				
Tons:		0.325				
Year:		2011				
--		--				
Generator EPA ID:		CAD982506933				
Generator County Code:		19				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Generator County:		Los Angeles				
TSD EPA ID:		AZR000501510				
TSD County Code:		99				
TSD County:		Unknown				
State Waste Code:		513				
State Waste Code Desc.:		Empty containers less than 30 gallons				
Method Code:		H141				
Method Description:		STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)				
Tons:		0.275				
Year:		2011				
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Generator EPA ID:		CAD982506933				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAD028409019				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		551				
State Waste Code Desc.:		Laboratory waste chemicals				
Method Code:		H141				
Method Description:		STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)				
Tons:		0.2545				
Year:		2011				
--		--				
Generator EPA ID:		CAD982506933				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAD028409019				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		551				
State Waste Code Desc.:		Laboratory waste chemicals				
Method Code:						
Method Description:						
Tons:		0.1				
Year:		2011				
--		--				
Generator EPA ID:		CAD982506933				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAD008252405				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		331				
State Waste Code Desc.:		Off-specification, aged or surplus organics				
Method Code:		H141				
Method Description:		STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)				
Tons:		0.03				
Year:		2011				
--		--				
Generator EPA ID:		CAD982506933				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAD008252405				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		331				
State Waste Code Desc.:		Off-specification, aged or surplus organics				
Method Code:		H061				
Method Description:		FUEL BLENDING PRIOR TO ENERGY RECOVERY AT ANOTHER SITE				
Tons:		0.225				
Year:		2011				
--		--				
Generator EPA ID:		CAD028409019				
Generator County Code:		19				
Generator County:		Los Angeles				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<hr/>						
TSD EPA ID:		CAD982506933				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		551				
State Waste Code Desc.:		Laboratory waste chemicals				
Method Code:						
Method Description:						
Tons:		0.1				
Year:		2011				
--		--				
Generator EPA ID:		CAD982506933				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		AZR000501510				
TSD County Code:		99				
TSD County:		Unknown				
State Waste Code:		513				
State Waste Code Desc.:		Empty containers less than 30 gallons				
Method Code:		H141				
Method Description:		STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)				
Tons:		0.25				
Year:		2012				
--		--				
Generator EPA ID:		CAD982506933				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		AZR000501510				
TSD County Code:		99				
TSD County:		Unknown				
State Waste Code:		331				
State Waste Code Desc.:		Off-specification, aged or surplus organics				
Method Code:		H141				
Method Description:		STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)				
Tons:		0.15				
Year:		2012				
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Generator EPA ID:		CAD982506933				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAD008252405				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		331				
State Waste Code Desc.:		Off-specification, aged or surplus organics				
Method Code:		H141				
Method Description:		STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)				
Tons:		0.0325				
Year:		2012				
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Generator EPA ID:		CAD982506933				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAD008252405				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		331				
State Waste Code Desc.:		Off-specification, aged or surplus organics				
Method Code:		H061				
Method Description:		FUEL BLENDING PRIOR TO ENERGY RECOVERY AT ANOTHER SITE				
Tons:		0.35				
Year:		2012				
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Generator EPA ID:		CAD982506933				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAD028409019				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		551				
State Waste Code Desc.:		Laboratory waste chemicals				
Method Code:		H141				
Method Description:		STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)				
Tons:		0.2665				
Year:		2012				
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Generator EPA ID:		CAD982506933				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		AZR000501510				
TSD County Code:		99				
TSD County:		Unknown				
State Waste Code:		513				
State Waste Code Desc.:		Empty containers less than 30 gallons				
Method Code:		H141				
Method Description:		STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)				
Tons:		0.25				
Year:		2013				
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Generator EPA ID:		CAD982506933				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		AZR000501510				
TSD County Code:		99				
TSD County:		Unknown				
State Waste Code:		331				
State Waste Code Desc.:		Off-specification, aged or surplus organics				
Method Code:		H141				
Method Description:		STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)				
Tons:		0.125				
Year:		2013				
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Generator EPA ID:		CAD982506933				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAD008252405				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		331				
State Waste Code Desc.:		Off-specification, aged or surplus organics				
Method Code:		H061				
Method Description:		FUEL BLENDING PRIOR TO ENERGY RECOVERY AT ANOTHER SITE				
Tons:		0.25				
Year:		2013				
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Generator EPA ID:		CAD982506933				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAD008252405				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		331				
State Waste Code Desc.:		Off-specification, aged or surplus organics				
Method Code:		H141				
Method Description:		STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)				
Tons:		0.0275				
Year:		2013				
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Generator EPA ID:		CAD982506933				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAD028409019				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		551				
State Waste Code Desc.:		Laboratory waste chemicals				
Method Code:		H141				
Method Description:		STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)				
Tons:		0.3145				
Year:		2013				
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Generator EPA ID:		CAD982506933				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		AZR000501510				
TSD County Code:		99				
TSD County:		Unknown				
State Waste Code:		331				
State Waste Code Desc.:		Off-specification, aged or surplus organics				
Method Code:		H141				
Method Description:		STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)				
Tons:		0.35				
Year:		2014				
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Generator EPA ID:		CAD982506933				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		AZR000501510				
TSD County Code:		99				
TSD County:		Unknown				
State Waste Code:		513				
State Waste Code Desc.:		Empty containers less than 30 gallons				
Method Code:		H141				
Method Description:		STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)				
Tons:		0.425				
Year:		2014				
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Generator EPA ID:		CAD982506933				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAD008252405				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		331				
State Waste Code Desc.:		Off-specification, aged or surplus organics				
Method Code:		H061				
Method Description:		FUEL BLENDING PRIOR TO ENERGY RECOVERY AT ANOTHER SITE				
Tons:		0.7125				
Year:		2014				
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Generator EPA ID:		CAD982506933				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAD008252405				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		331				
State Waste Code Desc.:		Off-specification, aged or surplus organics				
Method Code:		H141				
Method Description:		STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)				
Tons:		0.051				
Year:		2014				
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Generator EPA ID:		CAD982506933				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAD028409019				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		551				
State Waste Code Desc.:		Laboratory waste chemicals				
Method Code:		H141				
Method Description:		STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)				
Tons:		0.4285				
Year:		2014				
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Generator EPA ID:		CAD982506933				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		AZR000501510				
TSD County Code:		99				
TSD County:		Unknown				
State Waste Code:		331				
State Waste Code Desc.:		Off-specification, aged or surplus organics				
Method Code:		H141				
Method Description:		STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)				
Tons:		0.225				
Year:		2015				
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Generator EPA ID:		CAD982506933				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		AZR000501510				
TSD County Code:		99				
TSD County:		Unknown				
State Waste Code:		513				
State Waste Code Desc.:		Empty containers less than 30 gallons				
Method Code:		H141				
Method Description:		STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)				
Tons:		0.175				
Year:		2015				
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Generator EPA ID:		CAD982506933				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAD008252405				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		331				
State Waste Code Desc.:		Off-specification, aged or surplus organics				
Method Code:		H061				
Method Description:		FUEL BLENDING PRIOR TO ENERGY RECOVERY AT ANOTHER SITE				
Tons:		0.45				
Year:		2015				
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Generator EPA ID:		CAD982506933				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAD008252405				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		331				
State Waste Code Desc.:		Off-specification, aged or surplus organics				
Method Code:		H141				
Method Description:		STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)				
Tons:		0.02				
Year:		2015				
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Generator EPA ID:		CAD982506933				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAD028409019				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		551				
State Waste Code Desc.:		Laboratory waste chemicals				
Method Code:		H141				
Method Description:		STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)				
Tons:		0.2105				
Year:		2015				
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36	11 of 11	NNW	0.05 / 272.13	803.72 / 10	ROGERSON KRATOS 403 S RAYMOND AVE PASADENA CA 91109	RCRA CESQG
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EPA Handler ID: CAD982506933
Gen Status Universe: Conditionally Exempt Small Quantity Generator
Contact Name: ROY FEINBERG
Contact Address: 2201 , ALTON PARKWAY , , IRVINE , CA, 92606 , US
Contact Phone No and Ext: 949-442-2326
Contact Email: FEINBERGR@ROGERSON.COM
Contact Country: US
County Name: LOS ANGELES
EPA Region: 09
Land Type: Private
Receive Date: 20180302

Violation/Evaluation Summary

Note: NO RECORDS: As of Dec 2018, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 2
Receive Date: 20180302
Handler Name: ROGERSON KRATOS
Generator Status Universe: Conditionally Exempt Small Quantity Generator
Source Type: Notification

Waste Code Details

Hazardous Waste Code: 331
Waste Code Description: Off-specification, aged, or surplus organics
Hazardous Waste Code: 513

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Waste Code Description:		Empty containers less than 30 gallons				
Hazardous Waste Code:		551				
Waste Code Description:		Laboratory waste chemicals				
Hazardous Waste Code:		D001				
Waste Code Description:		IGNITABLE WASTE				
Hazardous Waste Code:		D008				
Waste Code Description:		LEAD				
Hazardous Waste Code:		F002				
Waste Code Description:		THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.				
Hazardous Waste Code:		D002				
Waste Code Description:		CORROSIVE WASTE				
<u>Hazardous Waste Handler Details</u>						
Sequence No:		1				
Receive Date:		19890906				
Handler Name:		ROGERSON KRATOS				
Generator Status Universe:		Conditionally Exempt Small Quantity Generator				
Source Type:		Notification				
<u>Owner/Operator Details</u>						
Owner/Operator Ind:		Current Owner			Street No:	
Type:		Private			Street 1:	
Name:		MICHAEL J ROGERSON			NOT REQUIRED	
Date Became Current:					Street 2:	
Date Ended Current:					City:	
Phone:		415-555-1212			NOT REQUIRED	
Source Type:		Notification			State:	
					ME	
					Country:	
					Zip Code:	
					99999	
Owner/Operator Ind:		Current Operator			Street No:	
Type:		Private			Street 1:	
Name:		NOT REQUIRED			NOT REQUIRED	
Date Became Current:					Street 2:	
Date Ended Current:					City:	
Phone:		415-555-1212			NOT REQUIRED	
Source Type:		Notification			State:	
					ME	
					Country:	
					Zip Code:	
					99999	
Owner/Operator Ind:		Current Operator			Street No:	
Type:		Private			Street 1:	
Name:		FRED LUCAS			403 S RAYMOND AVE	
Date Became Current:		19890801			Street 2:	
Date Ended Current:					City:	
Phone:		626-449-3090			PASADENA	
Source Type:		Notification			State:	
					CA	
					Country:	
					US	
					Zip Code:	
					91109	
Owner/Operator Ind:		Current Owner			Street No:	
Type:		Private			Street 1:	
Name:		MICHAEL ROGERSON			403 S RAYMOND AVE	
Date Became Current:		19810601			Street 2:	
Date Ended Current:					City:	
Phone:		626-449-3090			PASADENA	
Source Type:		Notification			State:	
					CA	
					Country:	
					US	
					Zip Code:	
					91109	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
37	1 of 4	NNW	0.05 / 280.32	804.81 / 11	HYCHEM INC 394 SOUTH RAYMOND AVE PASADENA CA 91105	FINDS/FRS
Registry ID: 110002701755 FIPS Code: 06037 Program Acronyms: RCRAINFO HUC Code: 18070105 Site Type Name: STATIONARY Location Description: Supplemental Location: Create Date: 01-MAR-2000 00:00:00 Update Date: 08-AUG-2010 18:19:03 Interest Types: SQG SIC Codes: SIC Code Descriptions: NAICS Codes: NAICS Code Descriptions: Conveyor: FRS-GEOCODE Federal Facility Code: Federal Agency Name: Tribal Land Code: Tribal Land Name: Congressional Dist No.: 29 Census Block Code: 060374636024002 EPA Region Code: 09 County Name: LOS ANGELES US/Mexico Border Ind: Latitude: 34.1388 Longitude: -118.14881 Reference Point: CENTER OF A FACILITY OR STATION Coord Collection Method: ADDRESS MATCHING-HOUSE NUMBER Accuracy Value: 30 Datum: NAD83 Source: Facility Detail Rprt URL: http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110002701755						

37	2 of 4	NNW	0.05 / 280.32	804.81 / 11	394 SOUTH RAYMOND AVE PASADENA CA 911050000	HIST MANIFEST
Gen EPA ID: CAD981426828 Create Date: 04/10/1987 0:00 Inact Date: 6/30/1995 0:00:00 Facility Mail Street: 394 SOUTH RAYMOND AVE Facility Mail City: PASADENA Facility Mail State: CA Facility Mail Zip: 911050000 Contact Phone(s): -- File Year(s): 1989; 1990 Contact Name(s): UNDELIVERABLE FEES FORM 95 LC						

Tanner Information

Method Description:
Tons: 0
Year: 1989
Generator County Code: 19
Generator County: Los Angeles
Method Code:
Tsd County Code: 43
Tsd County: Santa Clara
State Waste Code:
State Waste Code Desc:
Tsd Epa ID: CAD059494310

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Tanner Information

Method Description:

Tons:	1.68
Year:	1990
Generator County Code:	19
Generator County:	Los Angeles
Method Code:	
Tsd County Code:	16
Tsd County:	Kings
State Waste Code:	561
State Waste Code Desc:	Detergent waste chemicals
Tsd Epa ID:	CAT000646117

Tanner Information

Method Description:

Tons:	0.83
Year:	1989
Generator County Code:	19
Generator County:	Los Angeles
Method Code:	99
Tsd County Code:	43
Tsd County:	Santa Clara
State Waste Code:	135
State Waste Code Desc:	Unspecified aqueous solution
Tsd Epa ID:	CAD059494310

Tanner Information

Method Description:

Tons:	0
Year:	1990
Generator County Code:	19
Generator County:	Los Angeles
Method Code:	
Tsd County Code:	16
Tsd County:	Kings
State Waste Code:	
State Waste Code Desc:	
Tsd Epa ID:	CAT000646117

Tanner Information

Method Description:

Tons:	4.2
Year:	1989
Generator County Code:	19
Generator County:	Los Angeles
Method Code:	
Tsd County Code:	16
Tsd County:	Kings
State Waste Code:	181
State Waste Code Desc:	Other inorganic solid waste
Tsd Epa ID:	CAT000646117

Tanner Information

Method Description:

Tons:	1.58
Year:	1989
Generator County Code:	19
Generator County:	Los Angeles

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Method Code:	99
Tsd County Code:	43
Tsd County:	Santa Clara
State Waste Code:	
State Waste Code Desc:	
Tsd Epa ID:	CAD059494310

Tanner Information

Method Description:	
Tons:	0
Year:	1989
Generator County Code:	19
Generator County:	Los Angeles
Method Code:	
Tsd County Code:	16
Tsd County:	Kings
State Waste Code:	
State Waste Code Desc:	
Tsd Epa ID:	CAT000646117

Tanner Information

Method Description:	
Tons:	1.25
Year:	1989
Generator County Code:	19
Generator County:	Los Angeles
Method Code:	99
Tsd County Code:	43
Tsd County:	Santa Clara
State Waste Code:	343
State Waste Code Desc:	Unspecified organic liquid mixture
Tsd Epa ID:	CAD059494310

Tanner Information

Method Description:	
Tons:	67.42
Year:	1989
Generator County Code:	19
Generator County:	Los Angeles
Method Code:	D80
Tsd County Code:	16
Tsd County:	Kings
State Waste Code:	513
State Waste Code Desc:	Empty containers less than 30 gallons
Tsd Epa ID:	CAT000646117

37	3 of 4	NNW	0.05 / 280.32	804.81 / 11	HYCHEM INC 394 SOUTH RAYMOND AVE PASADENA CA 911050000	HAZNET
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SIC Code:		Mailing City:	PASADENA
NAICS Code:		Mailing State:	CA
EPA ID:	CAD981426828	Mailing Zip:	911050000
Create Date:	4/10/1987	Region Code:	3
Fac Act Ind:	No	Owner Name:	--
Inact Date:	6/30/1995	Owner Addr 1:	--
County Code:	19	Owner Addr 2:	--
County Name:	Los Angeles	Owner City:	--
Mail Name:		Owner State:	99
Mailing Addr 1:	394 SOUTH RAYMOND AVE	Owner Zip:	--
Mailing Addr 2:		Owner Phone:	0000000000
Owner Fax:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Contact Information						
--		--				
Contact Name:		UNDELIVERABLE FEES FORM 95 LC				
Street Address 1:		--				
Street Address 2:						
City:		--				
State:		99				
Zip:		--				
Phone:		--				
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37	4 of 4	NNW	0.05 / 280.32	804.81 / 11	HYCHEM INC 394 SOUTH RAYMOND AVE PASADENA CA 91105	RCRA SQG
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EPA Handler ID: CAD981426828
Gen Status Universe: Small Quantity Generator
Contact Name: ENVIRONMENTAL MANAGER
Contact Address: 394 SOUTH RAYMOND AVE , , PASADENA , CA, 91105 , US
Contact Phone No and Ext: 415-555-1212
Contact Email:
Contact Country: US
County Name: LOS ANGELES
EPA Region: 09
Land Type:
Receive Date: 19860722

Violation/Evaluation Summary

Note: NO RECORDS: As of Dec 2018, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 19860722
Handler Name: HYCHEM INC
Generator Status Universe: Small Quantity Generator
Source Type: Notification

Owner/Operator Details

Owner/Operator Ind:	Current Owner	Street No:	
Type:	Private	Street 1:	NOT REQUIRED

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<div> <div> Name: HYCHEM INC Date Became Current: Date Ended Current: Phone: 415-555-1212 Source Type: Notification </div> <div> Street 2: City: NOT REQUIRED State: ME Country: Zip Code: 99999 </div> </div> <div> <div> Owner/Operator Ind: Current Operator Type: Private Name: NOT REQUIRED Date Became Current: Date Ended Current: Phone: 415-555-1212 Source Type: Notification </div> <div> Street No: Street 1: NOT REQUIRED Street 2: City: NOT REQUIRED State: ME Country: Zip Code: 99999 </div> </div>						
38	1 of 2	SSE	0.05 / 287.29	780.77 / -13	Trader Joe's #051 610 S ARROYO PKWY PASADENA CA 91105	CERS HAZ
<div> Site ID: 426329 Latitude: 34.135170 Longitude: -118.146910 </div>						
<u>Regulated Programs</u>						
<div> EI ID: 10743979 EI Description: Hazardous Waste Generator </div>						
<div> EI ID: 10743979 EI Description: Chemical Storage Facilities </div>						
<u>Affiliations</u>						
<div> Affil Type Desc: Parent Corporation Entity Name: TRADER JOE'S Entity Title: Address: City: State: Country: Zip Code: Phone: </div>						
<div> Affil Type Desc: CUPA District Entity Name: Los Angeles County Fire Entity Title: Address: 5825 Rickenbacker Road City: Commerce State: CA Country: Zip Code: 90040-3027 Phone: (323) 890-4045 </div>						
<div> Affil Type Desc: Facility Mailing Address Entity Name: Mailing Address Entity Title: Address: P.O. Box 8000 City: Monsey State: NY Country: Zip Code: 10952 Phone: </div>						
<div> Affil Type Desc: Property Owner Entity Name: Trader Joe's Company Entity Title: Address: P.O. Box 8000 City: Monsey State: NY </div>						

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Country:		United States				
Zip Code:		10952				
Phone:		(626) 599-3776				
Affil Type Desc:		Environmental Contact				
Entity Name:		Dave Hetzel				
Entity Title:						
Address:		P.O. Box 8000				
City:		Monsey				
State:		NY				
Country:						
Zip Code:		10952				
Phone:		(626) 599-3776				
Affil Type Desc:		Legal Owner				
Entity Name:		Trader Joe's Company				
Entity Title:						
Address:		P.O. Box 8000				
City:		Monsey				
State:		NY				
Country:		United States				
Zip Code:		10952				
Phone:		(626) 599-3700				
Affil Type Desc:		Operator				
Entity Name:		Trader Joe's Company				
Entity Title:						
Address:						
City:						
State:						
Country:						
Zip Code:						
Phone:		(626) 599-3700				
Affil Type Desc:		Identification Signer				
Entity Name:		Greg Paquet				
Entity Title:		Director of Facilities				
Address:						
City:						
State:						
Country:						
Zip Code:						
Phone:						
<u>Coordinates</u>						
Env Int Type Code:	HMBP				Longitude:	-118.146910
Program ID:	10743979				Coord Name:	
Latitude:	34.135170				Ref Point Type Desc:	Center of a facility or station.

[38](#)

2 of 2

SSE

0.05 /
287.29

780.77 /
-13

TRADER JOES 051
610 S ARROYO PKWY
PASADENA CA 91105

RCRA
NON GEN

EPA Handler ID: CAL000435419
Gen Status Universe: No Report
Contact Name: TRADER JOES FACILITIES DEPT
Contact Address: PO BOX 5049 , , MONROVIA , CA, 91016 ,
Contact Phone No and Ext: 626-803-5207
Contact Email: FACILITIESDEPARTMENT@TRADERJOES.COM
Contact Country:
County Name: LOS ANGELES
EPA Region: 09
Land Type:
Receive Date: 20180430

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Violation/Evaluation Summary

Note: NO RECORDS: As of Dec 2018, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: Yes
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20180430
Handler Name: TRADER JOES 051
Generator Status Universe: No Report
Source Type: Implementer

Owner/Operator Details

Owner/Operator Ind:	Current Operator	Street No:	
Type:	Other	Street 1:	PO BOX 5049
Name:	TRADER JOES FACILITIES DEPT	Street 2:	
Date Became Current:		City:	MONROVIA
Date Ended Current:		State:	CA
Phone:	626-803-5207	Country:	
Source Type:	Implementer	Zip Code:	91016
Owner/Operator Ind:	Current Owner	Street No:	
Type:	Other	Street 1:	PO BOX 5049
Name:	TRADER JOES COMPANY	Street 2:	
Date Became Current:		City:	MONROVIA
Date Ended Current:		State:	CA
Phone:	626-803-5207	Country:	
Source Type:	Implementer	Zip Code:	91016

[39](#)

1 of 1

SE

0.06 /
303.53

792.52 /
-1

WEST WORLD IMPORTS
171 E CALIFORNIA BLVD
PASADENA CA 91105

FINDS/FRS

Registry ID: 110066357034
FIPS Code:
Program Acronyms: CA-ENVIROVIEW
HUC Code: 18070105
Site Type Name: STATIONARY
Location Description:
Supplemental Location:
Create Date: 14-OCT-2015 11:09:04
Update Date:
Interest Types: STATE MASTER
SIC Codes:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
SIC Code Descriptions: NAICS Codes: NAICS Code Descriptions: Conveyor: FRS-GEOCODE Federal Facility Code: Federal Agency Name: Tribal Land Code: Tribal Land Name: Congressional Dist No.: 29 Census Block Code: 060374636024014 EPA Region Code: 09 County Name: LOS ANGELES US/Mexico Border Ind: Latitude: 34.1358 Longitude: -118.146929 Reference Point: ENTRANCE POINT OF A FACILITY OR STATION Coord Collection Method: ADDRESS MATCHING-HOUSE NUMBER Accuracy Value: 50 Datum: NAD83 Source: Facility Detail Rprt URL: http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110066357034						

40	1 of 1	NNE	0.06 / 341.02	802.18 / 9	Southern California Public Radio 474 RAYMOND S PASADENA CA 91105	LUST
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Global ID:	T10000005348	CUF Case:	YES
Case Type:	LUST Cleanup Site	Begin Date:	2009-06-19 00:00:00
Status:	Completed - Case Closed	How Discovered:	
Status Date:	2009-10-09 00:00:00	Stop Method:	
RB Case No:		County:	Los Angeles
LOC Case No:		Latitude:	34.1391532
Lead Agency:	SWRCB	Longitude:	-118.1471308
Case Worker:	GWL	File Location:	
Local Agency:			
Potential Cont of Concern:			
Potential Media Affected:			
How Discovered Description:			
Stop Description:			
Cal Water Watershed Name:	Los Angeles River - Raymond - Pasadena (412.31)		
DWR Groundwater Subbasin:	Raymond (4-023)		
Site History:			

Status History

Status:	Completed - Case Closed	Status Date:	2009-10-09 00:00:00
Status:	Open - Remediation	Status Date:	2009-06-19 00:00:00
Status:	Open - Case Begin Date	Status Date:	2009-06-19 00:00:00

Activities

Action Type:	ENFORCEMENT
Action:	Closure/No Further Action Letter
Date:	2009-10-09 00:00:00
Action Type:	Other
Action:	Leak Discovery
Date:	2009-06-19 00:00:00
Action Type:	Other
Action:	Leak Reported
Date:	2009-06-19 00:00:00

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Action Type: Other Action: Leak Began Date: 2009-06-19 00:00:00						
Contacts						
Contact Type: Regional Board Caseworker Contact Name: GEORGE LOCKWOOD Organization Name: SWRCB Address: 1001 I STREET City: SACRAMENTO Email: glockwood@waterboards.ca.gov Phone No:						
41	1 of 3	SW	0.07 / 344.74	784.29 / -9	HUNTINGTON MEDICAL GROUP INC 55 E CALIFORNIA BLVD PASADENA CA 91105	FINDS/FRS
Registry ID: 110002894976 FIPS Code: 06037 Program Acronyms: RCRAINFO HUC Code: 18070105 Site Type Name: STATIONARY Location Description: Supplemental Location: Create Date: 01-MAR-2000 00:00:00 Update Date: 26-JAN-2012 12:55:43 Interest Types: SQG SIC Codes: SIC Code Descriptions: NAICS Codes: NAICS Code Descriptions: Conveyor: FRS-GEOCODE Federal Facility Code: Federal Agency Name: Tribal Land Code: Tribal Land Name: Congressional Dist No.: 29 Census Block Code: 060374636024006 EPA Region Code: 09 County Name: LOS ANGELES US/Mexico Border Ind: Latitude: 34.13579 Longitude: -118.14923 Reference Point: CENTER OF A FACILITY OR STATION Coord Collection Method: ADDRESS MATCHING-HOUSE NUMBER Accuracy Value: 30 Datum: NAD83 Source: Facility Detail Rprt URL: http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110002894976						
41	2 of 3	SW	0.07 / 344.74	784.29 / -9	HEALTHCARE PARTNERS MEDICAL GRP 55 E CALIFORNIA BLVD PASADENA CA 911050000	HAZNET
SIC Code: NAICS Code: 6211 EPA ID: CAD983662495 Create Date: 3/22/1993 Fac Act Ind: No Inact Date: 6/30/2002 County Code: 19 County Name: Los Angeles Mail Name: Mailing Addr 1: 450 E HUNTINGTON DR Mailing City: ARCADIA Mailing State: CA Mailing Zip: 910063748 Region Code: 3 Owner Name: HEALTHCARE PARTNERS INC Owner Addr 1: 1025 W OLYMPIC BLVD Owner Addr 2: Owner City: LOS ANGELES Owner State: CA Owner Zip: 900151329						

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Mailing Addr 2:			Owner Phone:		2138612628	
Owner Fax:						
Contact Information						
--		--				
Contact Name:		JIM KOSTICK VP				
Street Address 1:		19191 SOUTH VERMONT AVE #200				
Street Address 2:						
City:		TORRANCE				
State:		CA				
Zip:		905021329				
Phone:		3103544467				
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--		--				
Tanner Information						
--		--				
Generator EPA ID:		CAD983662495				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAD981402522				
TSD County Code:		15				
TSD County:		Kern				
State Waste Code:		181				
State Waste Code Desc.:		Other inorganic solid waste				
Method Code:		R01				
Method Description:		Recycler				
Tons:		0.0055				
Year:		1996				
--		--				
Generator EPA ID:		CAD983662495				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAD981402522				
TSD County Code:		15				
TSD County:		Kern				
State Waste Code:		171				
State Waste Code Desc.:		Metal sludge (see 121)				
Method Code:		R01				
Method Description:		Recycler				
Tons:		0.0355				
Year:		1996				
--		--				
Generator EPA ID:		CAD983662495				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAD981402522				
TSD County Code:		15				
TSD County:		Kern				
State Waste Code:		171				
State Waste Code Desc.:		Metal sludge (see 121)				
Method Code:		R01				
Method Description:		Recycler				
Tons:		0.049				
Year:		1997				
--		--				
Generator EPA ID:		CAD983662495				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAD981402522				
TSD County Code:		15				
TSD County:		Kern				
State Waste Code:		181				
State Waste Code Desc.:		Other inorganic solid waste				
Method Code:		R01				
Method Description:		Recycler				
Tons:		0.0045				
Year:		1997				
--		--				
Generator EPA ID:		CAD983662495				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAD981402522				
TSD County Code:		15				
TSD County:		Kern				
State Waste Code:		171				
State Waste Code Desc.:		Metal sludge (see 121)				
Method Code:		R01				
Method Description:		Recycler				
Tons:		0.1102				
Year:		1998				
--		--				
Generator EPA ID:		CAD983662495				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		UTD069803658				
TSD County Code:		99				
TSD County:		Unknown				
State Waste Code:		171				
State Waste Code Desc.:		Metal sludge (see 121)				
Method Code:		R01				
Method Description:		Recycler				
Tons:		0.0432				
Year:		1998				
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41	3 of 3	SW	0.07 / 344.74	784.29 / -9	HUNTINGTON MEDICAL GROUP INC 55 E CALIFORNIA BLVD PASADENA CA 91105	RCRA SQG
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EPA Handler ID: CAD983662495
Gen Status Universe: Small Quantity Generator
Contact Name: HEBER MERAZ
Contact Address: 1605 HOPE ST STE 230 , , SOUTH PASADENA , CA, 91030 , US
Contact Phone No and Ext: 818-403-4165
Contact Email:
Contact Country: US
County Name: LOS ANGELES
EPA Region: 09
Land Type: Private
Receive Date: 19930322

Violation/Evaluation Summary

Note: NO RECORDS: As of Dec 2018, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 19930322
Handler Name: HUNTINGTON MEDICAL GROUP INC
Generator Status Universe: Small Quantity Generator
Source Type: Notification

Owner/Operator Details

Owner/Operator Ind:	Current Owner	Street No:	
Type:	Private	Street 1:	1605 HOPE ST STE 230
Name:	HUNTINGTON MEDICAL GROUP INC	Street 2:	
Date Became Current:		City:	SOUTH PASADENA
Date Ended Current:		State:	CA
Phone:	818-403-4165	Country:	
Source Type:	Notification	Zip Code:	91030

42	1 of 1	SE	0.07 / 354.15	793.96 / 0	CALTRANS DIST 7 ROW 190 CALIFORNIA BLVD PASADENA CA 91105	HAZNET
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SIC Code:		Mailing City:	LOS ANGELES
NAICS Code:		Mailing State:	CA
EPA ID:	CAC002601603	Mailing Zip:	90012
Create Date:	3/21/2006	Region Code:	3
Fac Act Ind:	No	Owner Name:	CALTRANS DIST 7 ROW
Inact Date:	9/18/2006	Owner Addr 1:	100 S MAIN ST MS6
County Code:	19	Owner Addr 2:	
County Name:	Los Angeles	Owner City:	LOS ANGELES
Mail Name:	3RD FL ROW PROPERTY SVCS	Owner State:	CA
Mailing Addr 1:	100 S MAIN ST MS6	Owner Zip:	90012
Mailing Addr 2:		Owner Phone:	0000000000
Owner Fax:			

Contact Information

--
Contact Name: MARY SCOTT
Street Address 1: 100 S MAIN ST MS6
Street Address 2:
City: LOS ANGELES
State: CA
Zip: 90012
Phone: 2138974606
 --

43	1 of 1	SE	0.07 / 368.80	795.33 / 2	MOULE & POLYZOIDES CORP 180 E CALIFORNIA BLVD PASADENA CA 911053230	HAZNET
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SIC Code:		Mailing City:	PASADENA
NAICS Code:		Mailing State:	CA
EPA ID:	CAC002676398	Mailing Zip:	911053230
Create Date:	9/23/2011	Region Code:	3
Fac Act Ind:	No	Owner Name:	MOULE & POLYZOIDES CORP
Inact Date:	3/22/2012	Owner Addr 1:	180 E CALIFORNIA BLVD
County Code:	19	Owner Addr 2:	
County Name:	Los Angeles	Owner City:	PASADENA
Mail Name:		Owner State:	CA
Mailing Addr 1:	180 E CALIFORNIA BLVD	Owner Zip:	911053230
Mailing Addr 2:		Owner Phone:	6268442400
Owner Fax:			

Contact Information

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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Contact Name: LISA AYRE-SMITH Street Address 1: 180 E CALIFORNIA BLVD Street Address 2: City: PASADENA State: CA Zip: 911053230 Phone: 6268442400 -- --						
44	1 of 1	SSW	0.07 / 383.96	780.16 / -13	CARDIOLOGY CARE OF THE HEART INC 630 S RAYMOND AVE UNIT 204 PASADENA CA 911053283	HAZNET
SIC Code: 8011 NAICS Code: 621493 EPA ID: CAL000404445 Create Date: 2/12/2015 Fac Act Ind: Yes Inact Date: County Code: 19 County Name: Los Angeles Mail Name: SHERRY SMITH Mailing Addr 1: 630 S RAYMOND AVE UNIT 204 Mailing Addr 2: Owner Fax: 6263890217 Mailing City: PASADENA Mailing State: CA Mailing Zip: 911053283 Region Code: 3 Owner Name: MILTON P SMITH MD Owner Addr 1: 630 S RAYMOND AVE UNIT 204 Owner Addr 2: Owner City: PASADENA Owner State: CA Owner Zip: 911053283 Owner Phone: 6263404888						
Contact Information -- -- Contact Name: SHERRY SMITH Street Address 1: 630 S RAYMOND AVE UNIT 204 Street Address 2: City: PASADENA State: CA Zip: 91105 Phone: 6263404888 -- -- Tanner Information -- -- Generator EPA ID: CAL000404445 Generator County Code: 19 Generator County: Los Angeles TSD EPA ID: CAD008364432 TSD County Code: 19 TSD County: Los Angeles State Waste Code: 311 State Waste Code Desc.: Pharmaceutical waste Method Code: H141 Method Description: STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135) Tons: 0.0225 Year: 2015 -- --						
45	1 of 1	ESE	0.07 / 387.71	802.00 / 8	ARROYAL CAR WASH 605 S. ARROYAL PARK WAY Pasadena CA 91105	DELISTED TNK
Facility ID: 19-080-000030 County: Los Angeles Permitting Agency: PASADENA, CITY OF Original Source: UST Record Date: 30-JAN-2017 Latitude: 34.1366585 Longitude: -118.1462446						

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
46	1 of 3	N	0.07 / 395.47	804.74 / 11	HRC Fertility 333 S ARROYO PKWY PASADENA CA 91105	CERS HAZ

Site ID: 123399
Latitude: 34.139366
Longitude: -118.147804

Regulated Programs

EI ID: 10455670 **EI Description:** Chemical Storage Facilities

Violations

Violation Date: 10/25/2016
Violation Division: Pasadena Fire Department
Violation Program: HMRRP
Violation Source: CERS
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Notes:

; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to complete and electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.

Violations

Violation Date: 10/25/2016
Violation Division: Pasadena Fire Department
Violation Program: HMRRP
Violation Source: CERS
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Notes:

; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to complete and electronically submit a site map with all required content.

Violations

Violation Date: 10/25/2016
Violation Division: Pasadena Fire Department
Violation Program: HMRRP
Violation Source: CERS
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Notes:

; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to establish and electronically submit an adequate training program in safety procedures in the event of a release or threatened release of a hazardous material.

Violations

Violation Date: 10/25/2016
Violation Division: Pasadena Fire Department

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Violation Program:	HMRRP					
Violation Source:	CERS					
Citation:	HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)					
Violation Notes:						

; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.

Violations

Violation Date:	10/25/2016
Violation Division:	Pasadena Fire Department
Violation Program:	HMRRP
Violation Source:	CERS
Citation:	19 CCR 6.95 25508(a)(1) - California Code of Regulations, Title 19, Chapter 6.95, Section(s) 25508(a)(1)
Violation Notes:	

; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to complete and electronically submit the Business Activities Page and/or Business Owner Operator Identification Page.

Violations

Violation Date:	10/25/2016
Violation Division:	Pasadena Fire Department
Violation Program:	HMRRP
Violation Source:	CERS
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Notes:	

; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.

Violations

Violation Date:	10/25/2016
Violation Division:	Pasadena Fire Department
Violation Program:	HMRRP
Violation Source:	CERS
Citation:	HSC 6.95 25508.1(a)-(f) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(f)
Violation Notes:	

; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to electronically update business plan within 30 days of any one of the following events:
A 100 percent or more increase in the quantity of a previously disclosed material.
Any handling of a previously undisclosed hazardous materials at or above reportable quantities.
A change of business address, business ownership, or business name.
A substantial change in the handler's operations that requires modification to any portion of the business plan.

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Violations

Violation Date: 10/25/2016
Violation Division: Pasadena Fire Department
Violation Program: HMRRP
Violation Source: CERS
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Notes:

; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to establish and electronically submit an adequate emergency response plan and procedures for a release or threatened release of a hazardous material.

Violations

Violation Date: 10/25/2016
Violation Division: Pasadena Fire Department
Violation Program: HMRRP
Violation Source: CERS
Citation: HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Notes:

; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.

Evaluations

Eval Date: 10/25/2016
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Pasadena Fire Department
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

; Note: data in [EVAL Notes] field for some records is truncated from the source.

Affiliations

Affil Type Desc: Parent Corporation
Entity Name: HRC Fertility
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: Identification Signer
Entity Name: Elisa Ramos
Entity Title: Regional Manager
Address:
City:
State:
Country:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<hr/>						
Zip Code:						
Phone:						
Affil Type Desc:		Facility Mailing Address				
Entity Name:		Mailing Address				
Entity Title:						
Address:		333 S. Arroyo Parkway				
City:		Pasadena				
State:		CA				
Country:						
Zip Code:		91105				
Phone:						
Affil Type Desc:		Environmental Contact				
Entity Name:		Elisa Ramos				
Entity Title:						
Address:		333 S ArroyoParkway				
City:		Pasadena				
State:		CA				
Country:						
Zip Code:		91105				
Phone:		(626) 440-9161				
Affil Type Desc:		Document Preparer				
Entity Name:		Elisa Ramos				
Entity Title:						
Address:						
City:						
State:						
Country:						
Zip Code:						
Phone:						
Affil Type Desc:		Property Owner				
Entity Name:		Huntington Reproductive Center Medical Group				
Entity Title:						
Address:		333 S. Arroyo Parkway				
City:		Pasadena				
State:		CA				
Country:		United States				
Zip Code:		91105				
Phone:		(626) 440-9161				
Affil Type Desc:		Legal Owner				
Entity Name:		Huntington reproductive medical group				
Entity Title:						
Address:		333 S. Arroyo Prkwy				
City:		Pasadena				
State:		CA				
Country:		United States				
Zip Code:		91105				
Phone:		(626) 440-9161				
Affil Type Desc:		CUPA District				
Entity Name:		Los Angeles County Fire				
Entity Title:						
Address:		5825 Rickenbacker Road				
City:		Commerce				
State:		CA				
Country:						
Zip Code:		90040-3027				
Phone:		(323) 890-4045				
Affil Type Desc:		Operator				
Entity Name:		Elisa Ramos				
Entity Title:						
Address:						
City:						
State:						

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Country: Zip Code: Phone: (626) 440-9161						
Coordinates						
Env Int Type Code:	HMBP			Longitude:	-118.147800	
Program ID:	10455670			Coord Name:		
Latitude:	34.139370			Ref Point Type Desc:	Center of a facility or station.	

46	2 of 3	N	0.07 / 395.47	804.74 / 11	HRC FERTILITY 333 S ARROYO PKWY PASADENA CA 91105	FINDS/FRS
Registry ID: 110065619076 FIPS Code: Program Acronyms: CA-ENVIROVIEW HUC Code: 18070105 Site Type Name: STATIONARY Location Description: Supplemental Location: Create Date: 13-OCT-2015 12:32:36 Update Date: Interest Types: STATE MASTER SIC Codes: SIC Code Descriptions: NAICS Codes: NAICS Code Descriptions: Conveyor: FRS-GEOCODE Federal Facility Code: Federal Agency Name: Tribal Land Code: Tribal Land Name: Congressional Dist No.: 29 Census Block Code: 060374636024001 EPA Region Code: 09 County Name: LOS ANGELES US/Mexico Border Ind: Latitude: 34.13936 Longitude: -118.1478 Reference Point: CENTER OF A FACILITY OR STATION Coord Collection Method: ADDRESS MATCHING-HOUSE NUMBER Accuracy Value: 30 Datum: NAD83 Source: Facility Detail Rprt URL: http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110065619076						

46	3 of 3	N	0.07 / 395.47	804.74 / 11	HUNTINGTON REPRODUCTIVE CENTER 333 S ARROYO PKWY PASADENA CA 911052515	HAZNET
SIC Code: NAICS Code: EPA ID: CAC002658968 Create Date: 10/19/2010 Fac Act Ind: No Inact Date: 4/18/2011 County Code: 19 County Name: Los Angeles Mail Name: Mailing Addr 1: 333 S ARROYO PKWY Mailing Addr 2: Owner Fax: Mailing City: PASADENA Mailing State: CA Mailing Zip: 911052515 Region Code: 3 Owner Name: HUNTINGTON REPRODUCTIVE CENTER Owner Addr 1: 333 S ARROYO PKWY Owner Addr 2: Owner City: PASADENA Owner State: CA Owner Zip: 911052515 Owner Phone: 0000000000						

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Contact Information

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Contact Name:	ELSA SONDER
Street Address 1:	333 S ARROYO PKWY
Street Address 2:	
City:	PASADENA
State:	CA
Zip:	911052515
Phone:	6265856133
--	--
--	--
Tanner Information	
--	--
Generator EPA ID:	CAC002658968
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	ARD069748192
TSD County Code:	99
TSD County:	Unknown
State Waste Code:	551
State Waste Code Desc.:	Laboratory waste chemicals
Method Code:	H040
Method Description:	INCINERATION--THERMAL DESTRUCTION OTHER THAN USE AS A FUEL
Tons:	0.0055
Year:	2010
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47	1 of 1	NNW	0.08 / 406.16	806.82 / 13	City of Burbank HazMat 380 S Raymond Ave. Pasadena CA	CHMIRS
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ID:	01-2408	Notified Date:	4/25/200112:30:13 PM
Control No:	01-2408	Notified Date Time:	
Year:	2001	County:	Los Angeles County

California Hazardous Material Incident Report System

Contained:	Yes	Bbls:	0
Substance:	Malathion;;;	Cups:	0
Incident Date:	4/25/200112:00:00 AM	Cuft:	0
No of Injuries:	0	Gals:	0
No of FataIs:	0	Grams:	0
No of Evacs:	0	Lbs:	0
Cleanup:	City HazMat	Liters:	0
Water:	No	Oz:	0
Water Way:		Pts:	0
City:	Pasadena	Qts:	1
County:	Los Angeles County	Sheen:	0
Zip:		Tons:	0
Site:	School	Unknown:	0.000000
Admin Agency:	Pasadena Fire Department		
Location:	380 S Raymond Ave.		
Description:	Glass container fell off of a vehicle.		

48	1 of 1	S	0.09 / 481.02	780.90 / -13	LUCKY BOY #4, J RELLOS/R KARAG 640 S. ARROYO PARKWAY PASADENA CA 91105	EMISSIONS
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1990 Criteria Data

Facility ID:	66533	CERR Code:	
Facility SIC Code:	5812	TOGT:	0
CO:	19	ROGT:	0

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Air Basin:	SC			COT:		
District:	SC			NOXT:		
COID:	LA			SOXT:		
DISN:	SOUTH COAST AQMD			PMT:	0	
CHAPIS:				PM10T:	0	
1990 Toxic Data						
Facility ID:	66533			COID:	LA	
Facility SIC Code:	5812			DISN:	SOUTH COAST AQMD	
CO:	19			CHAPIS:		
Air Basin:	SC			CERR Code:		
District:	SC					
TS:						
Health Risk Asmt:						
Non-Cancer Chronic Haz Ind:						
Non-Cancer Acute Haz Ind:						

49	1 of 10	SW	0.09 / 489.81	784.33 / -9	DY-DEE SERVICE 40 E CALIFORNIA BLVD PASADENA CA 91105	CERS HAZ
Site ID:	113060					
Latitude:	34.135747					
Longitude:	-118.149464					

Regulated Programs

EI ID:	10307572	EI Description:	Chemical Storage Facilities
EI ID:	10307572	EI Description:	Hazardous Waste Generator

Violations

Violation Date:	6/21/2013
Violation Division:	Los Angeles County Fire Department
Violation Program:	HW
Violation Source:	CERS
Citation:	22 CCR 12 66262.40(a) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.40(a)
Violation Notes:	

FACILIT FAILED TO PROVIDE MANIFESTS FOR HW DISPOSAL; CURED OIL, USED ANTIFREEZE, USED PARTS WASHER OIL FILTERS AND RAGS.; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to maintain uniform hazardous waste manifest, consolidated manifest, or bills of lading copies for three years.

Violations

Violation Date:	1/29/2016
Violation Division:	Pasadena Fire Department
Violation Program:	HMRRP
Violation Source:	CERS
Citation:	HSC 6.95 25508.1(a)-(e) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(e)
Violation Notes:	

Returned to compliance on 05/13/2016.; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to electronically update business plan within 30 days of any one of the following events:
A 100 percent or more increase in the quantity of a previously disclosed material.

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Any handling of a previously undisclosed hazardous materials at or above reportable quantities.
A change of business address, business ownership, or business name.

Violations

Violation Date: 1/29/2016
Violation Division: Pasadena Fire Department
Violation Program: HMRRP
Violation Source: CERS
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Notes:

Returned to compliance on 05/13/2016.; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.

Violations

Violation Date: 6/21/2013
Violation Division: Los Angeles County Fire Department
Violation Program: HW
Violation Source: CERS
Citation: 22 CCR 12 66262.34(b)(1) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(b)(1)
Violation Notes:

FACILITY FAILED TO INDICATE ACCUMULATION START DATE ON HW LABELS USED OIL, USED ANTI-FREEZE STORAGE CONTAINERS.; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to dispose of hazardous waste after the first 100-kilogram threshold amount was accumulated within a 90 day period.

Violations

Violation Date: 1/29/2016
Violation Division: Pasadena Fire Department
Violation Program: HMRRP
Violation Source: CERS
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Notes:

Returned to compliance on 05/13/2016.; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to complete and electronically submit a site map with all required content.

Violations

Violation Date: 10/26/2016
Violation Division: Los Angeles County Fire Department
Violation Program: HW
Violation Source: CERS
Citation: 22 CCR 12 66262.40(a) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.40(a)
Violation Notes:

Returned to compliance on 03/07/2017. OBSERVATION: Copies of hazardous waste disposal records for last 3 yeras were not found on site. Hazardous waste generators shall retain copies of all manifests signed off by the disposal facility and all receipts used in a consolidated manifesting procedure on site for three years and have them readily available for review. CORRECTIVE ACTION: Immediately locate a copy of all manifests and

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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receipts for the last three years, maintain them on site, and submit copies to the CUPA by 11/25/16].; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to keep a copy of each properly signed manifest for at least three years from the date the waste was accepted by the initial transporter. The manifest signed at the time the waste was accepted for transport shall be kept until receiving a signed copy from the designated facility which received the waste.

Evaluations

Eval Date: 10/26/2016
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS
Eval Notes:

; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 1/29/2016
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Pasadena Fire Department
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 6/21/2013
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS
Eval Notes:

INSPECTED Z. SONGO CONSENT GIVEN BY ANDREW O'NEIL; Note: data in [EVAL Notes] field for some records is truncated from the source.

Affiliations

Affil Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title:
Address: 40 E California Blvd
City: Pasadena
State: CA
Country:
Zip Code: 91105
Phone:

Affil Type Desc: Identification Signer
Entity Name: Brian O'Neil
Entity Title: President
Address:
City:
State:
Country:
Zip Code:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<hr/> Phone:						
Affil Type Desc:		Environmental Contact				
Entity Name:		Brian O'Neil				
Entity Title:						
Address:		40 E California Blvd				
City:		Pasadena				
State:		CA				
Country:						
Zip Code:		91105				
Phone:		(626) 240-0115				
Affil Type Desc:		Operator				
Entity Name:		Dy-Dee Service of Pasadena, Inc.				
Entity Title:						
Address:						
City:						
State:						
Country:						
Zip Code:						
Phone:		(626) 240-0115				
Affil Type Desc:		Parent Corporation				
Entity Name:		DY-DEE SERVICE				
Entity Title:						
Address:						
City:						
State:						
Country:						
Zip Code:						
Phone:						
Affil Type Desc:		CUPA District				
Entity Name:		Los Angeles County Fire				
Entity Title:						
Address:		5825 Rickenbacker Road				
City:		Commerce				
State:		CA				
Country:						
Zip Code:		90040-3027				
Phone:		(323) 890-4045				
Affil Type Desc:		Property Owner				
Entity Name:		Brian O'Neil				
Entity Title:						
Address:		40 E California Bl				
City:		Pasadena				
State:		CA				
Country:		United States				
Zip Code:		91105				
Phone:		(626) 240-0115				
Affil Type Desc:		Legal Owner				
Entity Name:		Brian O'Neil				
Entity Title:						
Address:		40 E CALIFORNIA BLVD				
City:		Pasadena				
State:		CA				
Country:		United States				
Zip Code:		91105				
Phone:		(626) 240-0115				
Affil Type Desc:		Document Preparer				
Entity Name:		Brian O'Neil				
Entity Title:						
Address:						
City:						
State:						
Country:						

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Zip Code: Phone:						
<u>Coordinates</u>						
Env Int Type Code:	HWG			Longitude:	-118.149460	
Program ID:	10307572			Coord Name:		
Latitude:	34.135750			Ref Point Type Desc:	Center of a facility or station.	
49	2 of 10	SW	0.09 / 489.81	784.33 / -9	DY DEE DIAPER SERVICE 40 E CALIFORNIA BLVD PASADENA CA 911050000	DRYCLEANERS
EPA ID:	CAD983595760			Owner Phone:	6267926183	
Create Date:	7/29/1991			Owner Fax:	6267924337	
Facility Act Ind:	Yes			Contact Name:	BRIAN O'NEIL	
Inact Date:				Contact Street 1:	40 E CALIFORNIA BLVD	
Reason:	SIC/NAICS			Contact Street 2:		
County Name:	Los Angeles			Contact City:	PASADENA	
Region Code:	3			Contact State:	CA	
Owner Name:	DY DEE SERVICE OF PASADENA INC			Contact Zip:	91105	
Owner Street 1:	40 E CALIFORNIA BLVD			Contact Phone:	6262400115	
Owner Street 2:				Mail Name:		
Owner City:	PASADENA			DD Latitude:	34.135778	
Owner State:	CA			DD Longitude:	-118.149736	
Owner Zip:	911050000					
<u>--Details--</u>						
NAICS Code:	812331					
Naics Desc:	Linen Supply					
SIC Code:	7213					
SIC Desc:	Linen Supply					
49	3 of 10	SW	0.09 / 489.81	784.33 / -9	M & G AUTO BODY SHOP, JACK SEM 28 E CALIFORNIA BL PASADENA CA 91105	EMISSIONS
<u>1987 Criteria Data</u>						
Facility ID:	52781			CERR Code:		
Facility SIC Code:	7538			TOGT:	.7	
CO:	19			ROGT:	.6776	
Air Basin:	SC			COT:		
District:	SC			NOXT:		
COD:	LA			SOXT:		
DISN:	SOUTH COAST AQMD			PMT:		
CHAPIS:				PM10T:		
<u>1987 Toxic Data</u>						
Facility ID:	52781			COD:	LA	
Facility SIC Code:	7538			DISN:	SOUTH COAST AQMD	
CO:	19			CHAPIS:		
Air Basin:	SC			CERR Code:		
District:	SC					
TS:						
Health Risk Asmt:						
Non-Cancer Chronic Haz Ind:						
Non-Cancer Acute Haz Ind:						

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
1990 Criteria Data						
Facility ID:	52781				CERR Code:	
Facility SIC Code:	7538				TOGT:	.7
CO:	19				ROGT:	.6776
Air Basin:	SC				COT:	
District:	SC				NOXT:	
COID:	LA				SOXT:	
DISN:	SOUTH COAST AQMD				PMT:	
CHAPIS:					PM10T:	
1990 Toxic Data						
Facility ID:	52781				COID:	LA
Facility SIC Code:	7538				DISN:	SOUTH COAST AQMD
CO:	19				CHAPIS:	
Air Basin:	SC				CERR Code:	
District:	SC					
TS:						
Health Risk Asmt:						
Non-Cancer Chronic Haz Ind:						
Non-Cancer Acute Haz Ind:						
49	4 of 10	SW	0.09 / 489.81	784.33 / -9	DY DEE DIAPER SERVICE 40 E CALIFORNIA PASADENA CA 91105-3285	FINDS/FRS
Registry ID:	110002853564					
FIPS Code:	06037					
Program Acronyms:	CA-ENVIROVIEW, HWTS-DATAMART, RCRAINFO					
HUC Code:	18070105					
Site Type Name:	STATIONARY					
Location Description:						
Supplemental Location:						
Create Date:	01-MAR-2000 00:00:00					
Update Date:	15-OCT-2015 07:15:57					
Interest Types:	SQG, STATE MASTER					
SIC Codes:	7213					
SIC Code Descriptions:	LINEN SUPPLY					
NAICS Codes:	812331					
NAICS Code Descriptions:	LINEN SUPPLY.					
Conveyor:	FRS-GEocode					
Federal Facility Code:						
Federal Agency Name:						
Tribal Land Code:						
Tribal Land Name:						
Congressional Dist No.:	29					
Census Block Code:	060374636024005					
EPA Region Code:	09					
County Name:	LOS ANGELES					
US/Mexico Border Ind:						
Latitude:	34.13579					
Longitude:	-118.14963					
Reference Point:	ENTRANCE POINT OF A FACILITY OR STATION					
Coord Collection Method:	ADDRESS MATCHING-HOUSE NUMBER					
Accuracy Value:	50					
Datum:	NAD83					
Source:						
Facility Detail Rprt URL:	http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110002853564					
49	5 of 10	SW	0.09 / 489.81	784.33 / -9	28 E CALIFORNIA BLVD PASADENA CA 911050000	HIST MANIFEST

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Gen EPA ID:		CAL000036864				
Create Date:		08/01/1990 0:00				
Inact Date:		6/30/2008 0:00:00				
Facility Mail Street:		28 E CALIFORNIA BLVD				
Facility Mail City:		PASADENA				
Facility Mail State:		CA				
Facility Mail Zip:		911050000				
Contact Phone(s):						
File Year(s):		1990; 1991				
Contact Name(s):		SEMEROZHIAN JACK				

Tanner Information

Method Description:

Tons: 0
Year: 1990
Generator County Code: 19
Generator County: Los Angeles
Method Code:
Tsd County Code: 19
Tsd County: Los Angeles
State Waste Code:
State Waste Code Desc:
Tsd Epa ID: CAD008252405

Tanner Information

Method Description:

Tons: 0
Year: 1990
Generator County Code: 19
Generator County: Los Angeles
Method Code:
Tsd County Code: 19
Tsd County: Los Angeles
State Waste Code: 212
State Waste Code Desc: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Tsd Epa ID: CAD008252405

Tanner Information

Method Description:

Tons: 0.27
Year: 1990
Generator County Code: 19
Generator County: Los Angeles
Method Code: 1
Tsd County Code: 19
Tsd County: Los Angeles
State Waste Code: 212
State Waste Code Desc: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Tsd Epa ID: CAD008252405

Tanner Information

Method Description:

Tons: 0.12
Year: 1991
Generator County Code: 19
Generator County: Los Angeles
Method Code: R01
Tsd County Code: 19
Tsd County: Los Angeles
State Waste Code: 212

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
State Waste Code Desc:		Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)				
Tsd Epa ID:		CAD008252405				
<u>Tanner Information</u>						
Method Description:						
Tons:		0.12				
Year:		1991				
Generator County Code:		19				
Generator County:		Los Angeles				
Method Code:		1				
Tsd County Code:		19				
Tsd County:		Los Angeles				
State Waste Code:		214				
State Waste Code Desc:		Unspecified solvent mixture				
Tsd Epa ID:		CAD008252405				
<u>Tanner Information</u>						
Method Description:						
Tons:		0.12				
Year:		1991				
Generator County Code:		19				
Generator County:		Los Angeles				
Method Code:		R01				
Tsd County Code:		19				
Tsd County:		Los Angeles				
State Waste Code:		214				
State Waste Code Desc:		Unspecified solvent mixture				
Tsd Epa ID:		CAD008252405				
<u>Tanner Information</u>						
Method Description:						
Tons:		0				
Year:		1991				
Generator County Code:		19				
Generator County:		Los Angeles				
Method Code:						
Tsd County Code:		19				
Tsd County:		Los Angeles				
State Waste Code:						
State Waste Code Desc:						
Tsd Epa ID:		CAD008252405				
<u>Tanner Information</u>						
Method Description:						
Tons:		4.10E-03				
Year:		1991				
Generator County Code:		19				
Generator County:		Los Angeles				
Method Code:						
Tsd County Code:		19				
Tsd County:		Los Angeles				
State Waste Code:		214				
State Waste Code Desc:		Unspecified solvent mixture				
Tsd Epa ID:		CAD008252405				
49	6 of 10	SW	0.09 / 489.81	784.33 / -9	DY-DEE SERVICE OF PASADENA INC 40 E CALIFORNIA BLVD PASADENA CA 911050000	HAZNET

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
SIC Code:	7041				Mailing City: PASADENA	
NAICS Code:	72131				Mailing State: CA	
EPA ID:	CAL000115252				Mailing Zip: 911053203	
Create Date:	1/12/1994				Region Code: 3	
Fac Act Ind:	No				Owner Name: BRIAN O'NEIL	
Inact Date:	2/10/2004				Owner Addr 1: 40 E CALIFORNIA BLVD	
County Code:	19				Owner Addr 2:	
County Name:	Los Angeles				Owner City: PASADENA	
Mail Name:					Owner State: CA	
Mailing Addr 1:	40 E CALIFORNIA BLVD				Owner Zip: 911053203	
Mailing Addr 2:					Owner Phone: 8187926183	
Owner Fax:						
Contact Information						
--	--	--	--	--	--	--
Contact Name:	BRIAN O'NEIL, PRESIDENT					
Street Address 1:	40 E CALIFORNIA BLVD					
Street Address 2:						
City:	PASADENA					
State:	CA					
Zip:	911053203					
Phone:	8187926183					
--	--					

49	7 of 10	SW	0.09 / 489.81	784.33 / -9	DY DEE DIAPER SERVICE 40 E CALIFORNIA BLVD PASADENA CA 911050000	HAZNET
SIC Code:	7219				Mailing City: PASADENA	
NAICS Code:	812331				Mailing State: CA	
EPA ID:	CAD983595760				Mailing Zip: 911050000	
Create Date:	7/29/1991				Region Code: 3	
Fac Act Ind:	Yes				Owner Name: DY DEE SERVICE OF PASADENA INC	
Inact Date:					Owner Addr 1: 40 E CALIFORNIA BLVD	
County Code:	19				Owner Addr 2:	
County Name:	Los Angeles				Owner City: PASADENA	
Mail Name:	BRIAN O'NEIL				Owner State: CA	
Mailing Addr 1:	40 E CALIFORNIA BLVD				Owner Zip: 911050000	
Mailing Addr 2:					Owner Phone: 6267926183	
Owner Fax:	6267924337					
Contact Information						
--	--	--	--	--	--	--
Contact Name:	BRIAN O'NEIL/PRES					
Street Address 1:	40 E CALIFORNIA BLVD					
Street Address 2:						
City:	PASADENA					
State:	CA					
Zip:	91105					
Phone:	6262400115					
--	--					
--	--					
Tanner Information						
--	--	--	--	--	--	--
Generator EPA ID:	CAD983595760					
Generator County Code:	19					
Generator County:	Los Angeles					
TSD EPA ID:	CAT000613893					
TSD County Code:	19					
TSD County:	Los Angeles					
State Waste Code:	134					
State Waste Code Desc.:	Aqueous solution with total organic residues less than 10 percent					
Method Code:	H01					
Method Description:	Transfer station					
Tons:	0.063					
Year:	1998					
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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Generator EPA ID:		CAD983595760				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAT000613893				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		134				
State Waste Code Desc.:		Aqueous solution with total organic residues less than 10 percent				
Method Code:		H01				
Method Description:		Transfer station				
Tons:		0.0588				
Year:		1999				
--		--				
Generator EPA ID:		CAD983595760				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAT000613893				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		134				
State Waste Code Desc.:		Aqueous solution with total organic residues less than 10 percent				
Method Code:		H01				
Method Description:		Transfer station				
Tons:		0.2688				
Year:		2001				
--		--				
Generator EPA ID:		CAD983595760				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAT000613893				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		134				
State Waste Code Desc.:		Aqueous solution with total organic residues less than 10 percent				
Method Code:		H01				
Method Description:		Transfer station				
Tons:		0.2982				
Year:		2002				
--		--				
Generator EPA ID:		CAD983595760				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAT000613893				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		134				
State Waste Code Desc.:		Aqueous solution with total organic residues less than 10 percent				
Method Code:		H01				
Method Description:		Transfer station				
Tons:		0.1722				
Year:		2003				
--		--				
Generator EPA ID:		CAD983595760				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAT000613893				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		134				
State Waste Code Desc.:		Aqueous solution with total organic residues less than 10 percent				
Method Code:		H01				
Method Description:		Transfer station				
Tons:		0.1554				
Year:		2004				
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Generator EPA ID:		CAD983595760				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAT000613893				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		134				
State Waste Code Desc.:		Aqueous solution with total organic residues less than 10 percent				
Method Code:		H01				
Method Description:		Transfer station				
Tons:		0.1806				
Year:		2005				
--		--				
Generator EPA ID:		CAD983595760				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAT000613893				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		134				
State Waste Code Desc.:		Aqueous solution with total organic residues less than 10 percent				
Method Code:		H01				
Method Description:		Transfer station				
Tons:		0.063				
Year:		2006				
--		--				
Generator EPA ID:		CAD983595760				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAD982444481				
TSD County Code:		36				
TSD County:		San Bernardino				
State Waste Code:		352				
State Waste Code Desc.:		Other organic solids				
Method Code:		H141				
Method Description:		STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)				
Tons:		0.125				
Year:		2010				
--		--				
Generator EPA ID:		CAD983595760				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAD982444481				
TSD County Code:		36				
TSD County:		San Bernardino				
State Waste Code:		352				
State Waste Code Desc.:		Other organic solids				
Method Code:		H141				
Method Description:		STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)				
Tons:		0.09				
Year:		2011				
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Generator EPA ID:		CAD983595760				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		AZR000501510				
TSD County Code:		99				
TSD County:		Unknown				
State Waste Code:		352				
State Waste Code Desc.:		Other organic solids				
Method Code:		H141				
Method Description:		STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)				
Tons:		0.04				
Year:		2013				
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Generator EPA ID:		CAD983595760				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAD982444481				
TSD County Code:		36				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
TSD County:		San Bernardino				
State Waste Code:		352				
State Waste Code Desc.:		Other organic solids				
Method Code:		H141				
Method Description:		STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)				
Tons:		0.1				
Year:		2013				
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49	8 of 10	SW	0.09 / 489.81	784.33 / -9	M&G AUTO BODY 28 E CALIFORNIA BLVD PASADENA CA 911050000	HAZNET
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SIC Code:	7532	Mailing City:	PASADENA
NAICS Code:	811121	Mailing State:	CA
EPA ID:	CAL000036864	Mailing Zip:	911050000
Create Date:	8/1/1990	Region Code:	3
Fac Act Ind:	No	Owner Name:	SEMEROZHYAN JACK
Inact Date:	6/30/2008	Owner Addr 1:	28 E CALIFORNIA BLVD
County Code:	19	Owner Addr 2:	
County Name:	Los Angeles	Owner City:	PASADENA
Mail Name:		Owner State:	CA
Mailing Addr 1:	28 E CALIFORNIA BLVD	Owner Zip:	911050000
Mailing Addr 2:		Owner Phone:	0000000000
Owner Fax:			

Contact Information

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Contact Name:	SEMEROZHYAN JACK
Street Address 1:	28 E CALIFORNIA BLVD
Street Address 2:	
City:	PASADENA
State:	CA
Zip:	
Phone:	

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Tanner Information

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Generator EPA ID:	CAL000036864
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	CAD008252405
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	214
State Waste Code Desc.:	Unspecified solvent mixture
Method Code:	R01
Method Description:	Recycler
Tons:	0.1188
Year:	1993

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Generator EPA ID:	CAL000036864
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	CAD008252405
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	214
State Waste Code Desc.:	Unspecified solvent mixture
Method Code:	R01
Method Description:	Recycler
Tons:	0.144
Year:	1994

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Generator EPA ID:	CAL000036864
Generator County Code:	19

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<hr/>						
Generator County:		Los Angeles				
TSD EPA ID:		CAD008252405				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		214				
State Waste Code Desc.:		Unspecified solvent mixture				
Method Code:		R01				
Method Description:		Recycler				
Tons:		0.234				
Year:		1995				
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Generator EPA ID:		CAL000036864				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAD008252405				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		214				
State Waste Code Desc.:		Unspecified solvent mixture				
Method Code:						
Method Description:						
Tons:		0				
Year:		1996				
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Generator EPA ID:		CAL000036864				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAD008252405				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		214				
State Waste Code Desc.:		Unspecified solvent mixture				
Method Code:		R01				
Method Description:		Recycler				
Tons:		0.3492				
Year:		1996				
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Generator EPA ID:		CAL000036864				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAD008252405				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		214				
State Waste Code Desc.:		Unspecified solvent mixture				
Method Code:		R01				
Method Description:		Recycler				
Tons:		0.054				
Year:		1999				
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Generator EPA ID:		CAL000036864				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAD008252405				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		214				
State Waste Code Desc.:		Unspecified solvent mixture				
Method Code:		R01				
Method Description:		Recycler				
Tons:		0.0576				
Year:		2001				
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Generator EPA ID:		CAL000036864				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAD008252405				
TSD County Code:		19				
TSD County:		Los Angeles				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<hr/>						
State Waste Code:		214				
State Waste Code Desc.:		Unspecified solvent mixture				
Method Code:		R01				
Method Description:		Recycler				
Tons:		0.0576				
Year:		2003				
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Generator EPA ID:		CAL000036864				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAD008252405				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		214				
State Waste Code Desc.:		Unspecified solvent mixture				
Method Code:		R01				
Method Description:		Recycler				
Tons:		0.0576				
Year:		2004				
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Generator EPA ID:		CAL000036864				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAD008252405				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		214				
State Waste Code Desc.:		Unspecified solvent mixture				
Method Code:		R01				
Method Description:		Recycler				
Tons:		0.0576				
Year:		2005				
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49	9 of 10	SW	0.09 / 489.81	784.33 / -9	DY-DEE SERVICE OF PASADENA INC 40 E CALIFORNIA BLVD PASADENA CA 911050000	HAZNET
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SIC Code:				Mailing City:	PASADENA	
NAICS Code:				Mailing State:	CA	
EPA ID:	CAC000877184			Mailing Zip:	911050000	
Create Date:	12/16/1993			Region Code:	3	
Fac Act Ind:	No			Owner Name:	DY-DEE SERVICE OF PASADENA INC	
Inact Date:	10/25/2000			Owner Addr 1:	40 E CALIFORNIA BLVD	
County Code:	19			Owner Addr 2:		
County Name:	Los Angeles			Owner City:	PASADENA	
Mail Name:				Owner State:	CA	
Mailing Addr 1:	40 E CALIFORNIA BLVD			Owner Zip:	911050000	
Mailing Addr 2:				Owner Phone:	0000000000	
Owner Fax:						
Contact Information						
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Contact Name:	CATHERYN KASSARDJIAN/ACC PAY					
Street Address 1:	40 E CALIFORNIA BLVD					
Street Address 2:						
City:	PASADENA					
State:	CA					
Zip:	911050000					
Phone:	8187926183					
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Tanner Information						
--		--				
Generator EPA ID:	CAC000877184					
Generator County Code:	19					
Generator County:	Los Angeles					

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
TSD EPA ID: CAD099452708 TSD County Code: 19 TSD County: Los Angeles State Waste Code: 343 State Waste Code Desc.: Unspecified organic liquid mixture Method Code: R01 Method Description: Recycler Tons: 0.238 Year: 1993 --						

[49](#) 10 of 10 **SW** **0.09 / 489.81** **784.33 / -9** **DY DEE DIAPER SERVICE
40 E CALIFORNIA
PASADENA CA 91105** **RCRA SQG**

EPA Handler ID: CAD983595760
Gen Status Universe: Small Quantity Generator
Contact Name: ONEIL BRIAN
Contact Address: 40 E CALIFORNIA , , PASADENA , CA, 91105 , US
Contact Phone No and Ext: 818-792-6183
Contact Email:
Contact Country: US
County Name: LOS ANGELES
EPA Region: 09
Land Type: Other
Receive Date: 19910729

Violation/Evaluation Summary

Note: NO RECORDS: As of Dec 2018, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 19910729
Handler Name: DY DEE DIAPER SERVICE
Generator Status Universe: Small Quantity Generator
Source Type: Notification

Owner/Operator Details

Owner/Operator Ind: Current Operator
Type: Private
Name: NOT REQUIRED
Street No:
Street 1: NOT REQUIRED
Street 2:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Date Became Current:				City:	NOT REQUIRED	
Date Ended Current:				State:	ME	
Phone:	415-555-1212			Country:		
Source Type:	Notification			Zip Code:	99999	
Owner/Operator Ind:				Street No:		
Type:	Current Owner			Street 1:	NOT REQUIRED	
Name:	Private			Street 2:		
Date Became Current:	DY DEE SERVICE			City:	NOT REQUIRED	
Date Ended Current:				State:	ME	
Phone:	415-555-1212			Country:		
Source Type:	Notification			Zip Code:	99999	

50	1 of 1	ESE	0.10 / 513.42	805.32 / 12	C F TOOL COMPANY INC 530 S MARENGO AVE PASADENA CA 911010000	HAZNET
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SIC Code:		Mailing City:	PASADENA
NAICS Code:		Mailing State:	CA
EPA ID:	CAL000181616	Mailing Zip:	911010000
Create Date:	6/1/1998	Region Code:	3
Fac Act Ind:	No	Owner Name:	C F TOOL COMPANY INC
Inact Date:	6/30/2000	Owner Addr 1:	530 S MARENGO AVE
County Code:	19	Owner Addr 2:	
County Name:	Los Angeles	Owner City:	PASADENA
Mail Name:		Owner State:	CA
Mailing Addr 1:	530 S MARENGO AVE	Owner Zip:	911010000
Mailing Addr 2:		Owner Phone:	6265858100
Owner Fax:			

Contact Information

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Contact Name:	TOM CHOWANEC - SHOP MGR
Street Address 1:	INACTIVE PER VQ00 - BMI
Street Address 2:	
City:	PASADENA
State:	CA
Zip:	911010000
Phone:	6265858100
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Tanner Information

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Generator EPA ID:	CAL000181616
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	CAT000613893
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	134
State Waste Code Desc.:	Aqueous solution with total organic residues less than 10 percent
Method Code:	H01
Method Description:	Transfer station
Tons:	0.3318
Year:	1998
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Generator EPA ID:	CAL000181616
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	CAT000613893
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	342
State Waste Code Desc.:	Organic liquids with metals (see 121)
Method Code:	H01
Method Description:	Transfer station
Tons:	0.1376
Year:	1998

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
--		--				
Generator EPA ID:		CAL000181616				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAT000613893				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		134				
State Waste Code Desc.:		Aqueous solution with total organic residues less than 10 percent				
Method Code:		H01				
Method Description:		Transfer station				
Tons:		0.3024				
Year:		1999				
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[51](#)

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-14

ARROYO AUTO CENTER
621 S ARROYO PKWY # A
PASADENA CA 91105

CERS HAZ

Site ID: 6954
Latitude: 34.135040
Longitude: -118.147470

Regulated Programs

EI ID:	10306759	EI Description:	Hazardous Waste Generator
EI ID:	10306759	EI Description:	Chemical Storage Facilities

Violations

Violation Date: 12/9/2014
Violation Division: Pasadena Fire Department
Violation Program: HMRRP
Violation Source: CERS
Citation: HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Notes:

; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to annually review and electronically certify that the business plan is complete, accurate, and up-to-date.

Violations

Violation Date: 12/9/2014
Violation Division: Pasadena Fire Department
Violation Program: HMRRP
Violation Source: CERS
Citation: HSC 6.95 25508.1(a)-(e) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(e)
Violation Notes:

; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to electronically update business plan within 30 days of any one of the following events:
A 100 percent or more increase in the quantity of a previously disclosed material.
Any handling of a previously undisclosed hazardous materials at or above reportable quantities.
A change of business address, business ownership, or business name.

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Violations

Violation Date: 12/9/2014
Violation Division: Pasadena Fire Department
Violation Program: HMRRP
Violation Source: CERS
Citation: 19 CCR 6.95 25508(a)(1) - California Code of Regulations, Title 19, Chapter 6.95, Section(s) 25508(a)(1)
Violation Notes:

; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to complete and electronically submit the Business Activities Page and/or Business Owner Operator Identification Page.

Violations

Violation Date: 12/9/2014
Violation Division: Pasadena Fire Department
Violation Program: HMRRP
Violation Source: CERS
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Notes:

; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.

Violations

Violation Date: 12/9/2014
Violation Division: Pasadena Fire Department
Violation Program: HMRRP
Violation Source: CERS
Citation: HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Notes:

; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.

Violations

Violation Date: 12/9/2014
Violation Division: Pasadena Fire Department
Violation Program: HMRRP
Violation Source: CERS
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Notes:

; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to establish and electronically submit an adequate emergency response plan and procedures for a release or threatened release of a hazardous material.

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Violations

Violation Date: 12/9/2014
Violation Division: Pasadena Fire Department
Violation Program: HMRRP
Violation Source: CERS
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Notes:

; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to complete and electronically submit a site map with all required content.

Violations

Violation Date: 12/9/2014
Violation Division: Pasadena Fire Department
Violation Program: HMRRP
Violation Source: CERS
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Notes:

; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to establish and electronically submit an adequate training program in safety procedures in the event of a release or threatened release of a hazardous material.

Violations

Violation Date: 12/9/2014
Violation Division: Pasadena Fire Department
Violation Program: HMRRP
Violation Source: CERS
Citation: HSC 6.95 25508(d) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(d)
Violation Notes:

; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to complete and/or electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.

Evaluations

Eval Date: 5/25/2016
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS
Eval Notes:

Jamal Yazouri, owner; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 12/9/2014
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Eval Type:		Routine done by local agency				
Eval Division:		Pasadena Fire Department				
Eval Program:		HMRRP				
Eval Source:		CERS				
Eval Notes:						

; Note: data in [EVAL Notes] field for some records is truncated from the source.

Affiliations

Affil Type Desc: Environmental Contact
Entity Name: JAMAL YAZOURI
Entity Title:
Address: 621 S Arroyo Pkwy # A
City: Pasadena
State: CA
Country:
Zip Code: 91105
Phone: (909) 552-3560

Affil Type Desc: Parent Corporation
Entity Name: ARROYO AUTO CENTER
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: CUPA District
Entity Name: Los Angeles County Fire
Entity Title:
Address: 5825 Rickenbacker Road
City: Commerce
State: CA
Country:
Zip Code: 90040-3027
Phone: (323) 890-4045

Affil Type Desc: Identification Signer
Entity Name: Jamal yazouri
Entity Title: Owner
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: Document Preparer
Entity Name: Jamal yazouri
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: Legal Owner
Entity Name: JAMAL YAZOURI
Entity Title:
Address: 621 S ARROYO PKWY # A
City: PASADENA
State: CA
Country: United States

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<hr/>						
Zip Code:		91105				
Phone:		(626) 449-5854				
Affil Type Desc:		Operator				
Entity Name:		JIM YAZOURI				
Entity Title:						
Address:						
City:						
State:						
Country:						
Zip Code:						
Phone:		(909) 552-3560				
Affil Type Desc:		Property Owner				
Entity Name:		Jamal yazouri				
Entity Title:						
Address:		621 S ARROYO PKWY Suite #A				
City:		Pasadena				
State:		CA				
Country:		United States				
Zip Code:		91105				
Phone:		(909) 552-3560				
Affil Type Desc:		Facility Mailing Address				
Entity Name:		Mailing Address				
Entity Title:						
Address:		621 S ARROYO PKWY #A				
City:		PASADENA				
State:		CA				
Country:						
Zip Code:		91105				
Phone:						

51	2 of 16	S	0.10 / 515.01	779.23 / -14	The Best 621 S ARROYO PKWY # C PASADENA CA 91105	CERS HAZ
Site ID:	74813					
Latitude:	34.135045					
Longitude:	-118.147580					

Regulated Programs

El ID:	10030534	El Description:	Hazardous Waste Generator
El ID:	10030534	El Description:	Chemical Storage Facilities

Violations

Violation Date:	5/14/2014
Violation Division:	Pasadena Fire Department
Violation Program:	HMRRP
Violation Source:	CERS
Citation:	HSC 6.95 25505(c) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(c)
Violation Notes:	

Returned to compliance on 10/17/2014.; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to review, revise, and recertify the business plan at least once every three years.

Violations

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Violation Date: 5/14/2014
Violation Division: Pasadena Fire Department
Violation Program: HMRRP
Violation Source: CERS
Citation: HSC 6.95 25504(a) - California Health and Safety Code, Chapter 6.95, Section(s) 25504(a)
Violation Notes:

Returned to compliance on 10/17/2014.; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to complete and/or submit hazardous material inventory forms for all reportable hazardous materials on site.

Violations

Violation Date: 5/14/2014
Violation Division: Pasadena Fire Department
Violation Program: HMRRP
Violation Source: CERS
Citation: HSC 6.95 25510 - California Health and Safety Code, Chapter 6.95, Section(s) 25510
Violation Notes:

Returned to compliance on 10/17/2014.; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to update hazardous material inventory within 30 days when one of the following occurs:
 A 100 percent or more increase in the quantity of a previously disclosed material.
 Any handling of a previously undisclosed hazardous materials A change of business address, business ownership, or business name.

Violations

Violation Date: 5/14/2014
Violation Division: Pasadena Fire Department
Violation Program: HMRRP
Violation Source: CERS
Citation: 19 CCR 4 2729.2(a)(3) - California Code of Regulations, Title 19, Chapter 4, Section(s) 2729.2(a)(3)
Violation Notes:

Returned to compliance on 10/17/2014.; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to complete and/or submit an annotated site map if required by CUPA.

Violations

Violation Date: 5/14/2014
Violation Division: Pasadena Fire Department
Violation Program: HMRRP
Violation Source: CERS
Citation: HSC 6.95 25507 - California Health and Safety Code, Chapter 6.95, Section(s) 25507
Violation Notes:

Returned to compliance on 10/17/2014.; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure of business to report a release or threatened release of a hazardous material to the administering agency and CalEMA.

Violations

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Violation Date: 5/14/2014
Violation Division: Pasadena Fire Department
Violation Program: HMRRP
Violation Source: CERS
Citation: HSC 6.95 25504(c) - California Health and Safety Code, Chapter 6.95, Section(s) 25504(c)
Violation Notes:

Returned to compliance on 10/17/2014.; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to include provisions in the business plan to ensure that appropriate personnel receive initial and annual training.

Violations

Violation Date: 5/14/2014
Violation Division: Pasadena Fire Department
Violation Program: HMRRP
Violation Source: CERS
Citation: 19 CCR 4 2729.2(a)(1) - California Code of Regulations, Title 19, Chapter 4, Section(s) 2729.2(a)(1)
Violation Notes:

Returned to compliance on 10/17/2014.; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Owner/Operator failed to complete and/or submit the Business Activities Page and/or Business Owner Operator Identification Page.

Violations

Violation Date: 5/14/2014
Violation Division: Pasadena Fire Department
Violation Program: HMRRP
Violation Source: CERS
Citation: HSC 6.95 25505(a) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)
Violation Notes:

Returned to compliance on 10/17/2014.; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Owner/Operator failed to complete and/or submit a Hazardous Materials Business Plan when storing hazardous materials at or above the thresholds quantities of 55 gallons/500 lbs/200 cubic feet.

Violations

Violation Date: 5/14/2014
Violation Division: Pasadena Fire Department
Violation Program: HMRRP
Violation Source: CERS
Citation: HSC 6.95 25504(c) - California Health and Safety Code, Chapter 6.95, Section(s) 25504(c)
Violation Notes:

Returned to compliance on 10/17/2014.; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to include an adequate training program in the business plan, which is reasonable and appropriate for the size of the business and the nature of the hazardous material handled.

Violations

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Violation Date: 5/14/2014
Violation Division: Pasadena Fire Department
Violation Program: HMRRP
Violation Source: CERS
Citation: HSC 6.95 25504(b) - California Health and Safety Code, Chapter 6.95, Section(s) 25504(b)
Violation Notes:

Returned to compliance on 10/17/2014.; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to include adequate emergency response procedures in the business plan for a release or threatened release.

Evaluations

Eval Date: 5/27/2016
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS
Eval Notes:

Vartan Baroni, owner; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 5/14/2014
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Pasadena Fire Department
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

; Note: data in [EVAL Notes] field for some records is truncated from the source.

Affiliations

Affil Type Desc: Document Preparer
Entity Name: VARTAN BARONI
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: Operator
Entity Name: VARTAN BARONI
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone: (626) 568-2920

Affil Type Desc: CUPA District
Entity Name: Los Angeles County Fire
Entity Title:
Address: 5825 Rickenbacker Road
City: Commerce

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<hr/>						
State:		CA				
Country:						
Zip Code:		90040-3027				
Phone:		(323) 890-4045				
Affil Type Desc:		Environmental Contact				
Entity Name:		VARTAN BARONI				
Entity Title:						
Address:		621 S ARROYO PKWY # C				
City:		Pasadena				
State:		CA				
Country:						
Zip Code:		91105				
Phone:		(626) 568-2920				
Affil Type Desc:		Identification Signer				
Entity Name:		VARTAN BARONI				
Entity Title:		OWNER				
Address:						
City:						
State:						
Country:						
Zip Code:						
Phone:						
Affil Type Desc:		Parent Corporation				
Entity Name:		The Best				
Entity Title:						
Address:						
City:						
State:						
Country:						
Zip Code:						
Phone:						
Affil Type Desc:		Facility Mailing Address				
Entity Name:		Mailing Address				
Entity Title:						
Address:		621 S ARROYO PKWY #C				
City:		PASADENA				
State:		CA				
Country:						
Zip Code:		91105				
Phone:						
Affil Type Desc:		Legal Owner				
Entity Name:		VARTAN BARONI				
Entity Title:						
Address:		621 S ARROYO PKWY #C				
City:		PASADENA				
State:		CA				
Country:		United States				
Zip Code:		91105				
Phone:		(626) 568-2920				
<hr/>						
51	3 of 16	S	0.10 / 515.01	779.23 / -14	RAY'S MBZ 621 S ARROYO PKWY # B PASADENA CA 91105	CERS HAZ
Site ID:		146753				
Latitude:		34.135040				
Longitude:		-118.147470				

Regulated Programs

EI ID: 10306321
 EI Description: Hazardous Waste Generator

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
EI ID:	10306321			EI Description:	Chemical Storage Facilities	

Evaluations

Eval Date: 5/25/2016
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS
Eval Notes:

Raymond Yadegar, owner; Note: data in [EVAL Notes] field for some records is truncated from the source.

Affiliations

Affil Type Desc: Legal Owner
Entity Name: RAYMOND YADEGAR
Entity Title:
Address: 621 S. ARROYO PKWY #B
City: PASADENA
State: CA
Country: United States
Zip Code: 91105
Phone: (626) 396-9544

Affil Type Desc: Parent Corporation
Entity Name: RAY'S MBZ
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: CUPA District
Entity Name: Los Angeles County Fire
Entity Title:
Address: 5825 Rickenbacker Road
City: Commerce
State: CA
Country:
Zip Code: 90040-3027
Phone: (323) 890-4045

Affil Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title:
Address: 621 S ARROYO PKWY #B
City: PASADENA
State: CA
Country:
Zip Code: 91105
Phone:

Affil Type Desc: Environmental Contact
Entity Name: raymondyadiagar
Entity Title:
Address: 621 s arroyo pkwy #b
City: pasadena
State: CA
Country:
Zip Code: 91105
Phone: (626) 396-9544

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Affil Type Desc: Entity Name: Entity Title: Address: City: State: Country: Zip Code: Phone:		Operator RAYMOND YADEGAR (818) 419-0553				
51	4 of 16	S	0.10 / 515.01	779.23 / -14	FARRIS AND SONS AUTO SVC 621 S ARROYO PARKWAY UNIT B PASADENA CA 91105	FINDS/FRS
Registry ID: FIPS Code: Program Acronyms: HUC Code: Site Type Name: Location Description: Supplemental Location: Create Date: Update Date: Interest Types: SIC Codes: SIC Code Descriptions: NAICS Codes: NAICS Code Descriptions: Conveyor: Federal Facility Code: Federal Agency Name: Tribal Land Code: Tribal Land Name: Congressional Dist No.: Census Block Code: EPA Region Code: County Name: US/Mexico Border Ind: Latitude: Longitude: Reference Point: Coord Collection Method: Accuracy Value: Datum: Source: Facility Detail Rprt URL:		110002847992 06037 RCRAINFO 18070105 STATIONARY 01-MAR-2000 00:00:00 29-DEC-2014 09:00:53 SQG FRS-GEOCODE 29 060374640005003 09 LOS ANGELES 34.135045 -118.147415 ENTRANCE POINT OF A FACILITY OR STATION ADDRESS MATCHING-HOUSE NUMBER 50 NAD83 http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110002847992				
51	5 of 16	S	0.10 / 515.01	779.23 / -14	ARROYO AUTO CENTER 621 S ARROYO PKWY # A PASADENA CA 91105	FINDS/FRS
Registry ID: FIPS Code: Program Acronyms: HUC Code: Site Type Name: Location Description: Supplemental Location: Create Date: Update Date: Interest Types: SIC Codes: SIC Code Descriptions: NAICS Codes: NAICS Code Descriptions:		110066582157 CA-ENVIROVIEW 18070105 STATIONARY 14-OCT-2015 12:11:20 STATE MASTER 7538 GENERAL AUTOMOTIVE REPAIR SHOPS				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Conveyor: FRS-GEOCODE Federal Facility Code: Federal Agency Name: Tribal Land Code: Tribal Land Name: Congressional Dist No.: 29 Census Block Code: 060374640005003 EPA Region Code: 09 County Name: LOS ANGELES US/Mexico Border Ind: Latitude: 34.135045 Longitude: -118.147415 Reference Point: ENTRANCE POINT OF A FACILITY OR STATION Coord Collection Method: ADDRESS MATCHING-HOUSE NUMBER Accuracy Value: 50 Datum: NAD83 Source: Facility Detail Rprt URL: http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110066582157						
51	6 of 16	S	0.10 / 515.01	779.23 / -14	THE BEST 621 S ARROYO PKWY # C PASADENA CA 91105	FINDS/FRS
Registry ID: 110065422368 FIPS Code: Program Acronyms: CA-ENVIROVIEW HUC Code: 18070105 Site Type Name: STATIONARY Location Description: Supplemental Location: Create Date: 13-OCT-2015 08:56:33 Update Date: Interest Types: STATE MASTER SIC Codes: SIC Code Descriptions: NAICS Codes: NAICS Code Descriptions: Conveyor: FRS-GEOCODE Federal Facility Code: Federal Agency Name: Tribal Land Code: Tribal Land Name: Congressional Dist No.: 29 Census Block Code: 060374640005003 EPA Region Code: 09 County Name: LOS ANGELES US/Mexico Border Ind: Latitude: 34.135045 Longitude: -118.147415 Reference Point: ENTRANCE POINT OF A FACILITY OR STATION Coord Collection Method: ADDRESS MATCHING-HOUSE NUMBER Accuracy Value: 50 Datum: NAD83 Source: Facility Detail Rprt URL: http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110065422368						
51	7 of 16	S	0.10 / 515.01	779.23 / -14	RAY'S MBZ 621 S ARROYO PKWY # B PASADENA CA 91105	FINDS/FRS
Registry ID: 110066059883 FIPS Code: Program Acronyms: CA-ENVIROVIEW HUC Code: 18070105 Site Type Name: STATIONARY						

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Location Description:						
Supplemental Location:						
Create Date:		14-OCT-2015 09:42:16				
Update Date:						
Interest Types:		STATE MASTER				
SIC Codes:		7538				
SIC Code Descriptions:		GENERAL AUTOMOTIVE REPAIR SHOPS				
NAICS Codes:						
NAICS Code Descriptions:						
Conveyor:		FRS-GEOCODE				
Federal Facility Code:						
Federal Agency Name:						
Tribal Land Code:						
Tribal Land Name:						
Congressional Dist No.:		29				
Census Block Code:		060374640005003				
EPA Region Code:		09				
County Name:		LOS ANGELES				
US/Mexico Border Ind:						
Latitude:		34.135045				
Longitude:		-118.147415				
Reference Point:		ENTRANCE POINT OF A FACILITY OR STATION				
Coord Collection Method:		ADDRESS MATCHING-HOUSE NUMBER				
Accuracy Value:		50				
Datum:		NAD83				
Source:						
Facility Detail Rprt URL:		http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110066059883				

51	8 of 16	S	0.10 / 515.01	779.23 / -14	RAY'S MBZ 621 S ARROYO PKWY STE B PASADENA CA 911053280	HAZNET
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SIC Code:	9999	Mailing City:	PASADENA
NAICS Code:	99999	Mailing State:	CA
EPA ID:	CAL000355967	Mailing Zip:	911053280
Create Date:	8/19/2010 11:58:38 AM	Region Code:	3
Fac Act Ind:	No	Owner Name:	EMIL BADAL
Inact Date:	6/30/2012	Owner Addr 1:	10227 HELENDALE AVE
County Code:	19	Owner Addr 2:	
County Name:	Los Angeles	Owner City:	TUJUNGA
Mail Name:		Owner State:	CA
Mailing Addr 1:	621 S ARROYO PKWY STE B	Owner Zip:	910422250
Mailing Addr 2:		Owner Phone:	8184279246
Owner Fax:	6263964941		

Contact Information

--	--
Contact Name:	EMIL BADAL
Street Address 1:	10227 HELENDALE AVE
Street Address 2:	
City:	TUJUNGA
State:	CA
Zip:	910422250
Phone:	8184279246
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--	--

Tanner Information

--	--
Generator EPA ID:	CAL000355967
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	CAD099452708
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	221
State Waste Code Desc.:	Waste oil and mixed oil
Method Code:	H039

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Method Description:		OTHER RECOVERY OF RECLAMATION FOR REUSE INCLUDING ACID REGENERATION, ORGANICS RECOVERY ECT				
Tons:		0.342				
Year:		2012				
--		--				
51	9 of 16	S	0.10 / 515.01	779.23 / -14	THE BEST SMOG REPAIR 621 S ARROYO PKWY STE C PASADENA CA 911053281	HAZNET
SIC Code:		7538		Mailing City:		PASADENA
NAICS Code:		811111		Mailing State:		CA
EPA ID:		CAL000332476		Mailing Zip:		911053281
Create Date:		5/8/2008 4:51:18 PM		Region Code:		3
Fac Act Ind:		No		Owner Name:		VARTAN BARONI
Inact Date:		6/30/2008		Owner Addr 1:		621 S ARROYO PKWY STE C
County Code:		19		Owner Addr 2:		
County Name:		Los Angeles		Owner City:		PASADENA
Mail Name:				Owner State:		CA
Mailing Addr 1:		621 S ARROYO PKWY STE C		Owner Zip:		911053281
Mailing Addr 2:				Owner Phone:		6265682920
Owner Fax:		0000000000				
Contact Information						
--		--				
Contact Name:		VARTAN BARONI				
Street Address 1:		621 S ARROYO PKWY STE C				
Street Address 2:						
City:		PASADENA				
State:		CA				
Zip:		911053281				
Phone:		6265682920				
--		--				
--		--				
Tanner Information						
--		--				
Generator EPA ID:		CAL000332476				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAD008364432				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		791				
State Waste Code Desc.:		Liquids with pH <= 2				
Method Code:		H141				
Method Description:		STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)				
Tons:		0.025				
Year:		2010				
--		--				
Generator EPA ID:		CAL000332476				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAD008364432				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		122				
State Waste Code Desc.:		Alkaline solution without metals pH >= 12.5				
Method Code:		H141				
Method Description:		STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)				
Tons:		0.0445				
Year:		2011				
--		--				
Generator EPA ID:		CAL000332476				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAD099452708				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<hr/>						
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		221				
State Waste Code Desc.:		Waste oil and mixed oil				
Method Code:		H039				
Method Description:		OTHER RECOVERY OF RECLAMATION FOR REUSE INCLUDING ACID REGENERATION, ORGANICS RECOVERY ECT				
Tons:		0.95				
Year:		2012				
--		--				
Generator EPA ID:		CAL000332476				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAD008364432				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:						
State Waste Code Desc.:						
Method Code:		H141				
Method Description:		STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)				
Tons:		0.18765				
Year:		2013				
--		--				
Generator EPA ID:		CAL000332476				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAD008364432				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		791				
State Waste Code Desc.:		Liquids with pH <= 2				
Method Code:		H141				
Method Description:		STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)				
Tons:		0.012				
Year:		2013				
--		--				
<hr/>						
51	10 of 16	S	0.10 / 515.01	779.23 / -14	ARROYO AUTO CENTER 621 S ARROYO PKWY UNIT A PASADENA CA 911050000	HAZNET
SIC Code:				Mailing City:	PASADENA	
NAICS Code:				Mailing State:	CA	
EPA ID:	CAL000206408			Mailing Zip:	911050000	
Create Date:	4/24/2001			Region Code:	3	
Fac Act Ind:	No			Owner Name:	JIM YAZOURI	
Inact Date:	6/30/2001			Owner Addr 1:	621 S ARROYO PKWY UNIT A	
County Code:	19			Owner Addr 2:		
County Name:	Los Angeles			Owner City:	PASADENA	
Mail Name:				Owner State:	CA	
Mailing Addr 1:	621 S ARROYO PKWY UNIT A			Owner Zip:	911050000	
Mailing Addr 2:				Owner Phone:	0000000000	
Owner Fax:						
Contact Information						
--		--				
Contact Name:	JIM YAZOURI/OWNER					
Street Address 1:	621 S ARROYO PKWY UNIT A					
Street Address 2:						
City:	PASADENA					
State:	CA					
Zip:	911050000					
Phone:	6264495854					
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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
51	11 of 16	S	0.10 / 515.01	779.23 / -14	FARRIS AND SONS AUTO SVC 621 S ARROYO PARKWAY UNIT B PASADENA CA 911050000	HAZNET
SIC Code:				Mailing City:	PASADENA	
NAICS Code:				Mailing State:	CA	
EPA ID:		CAD983587627	Mailing Zip:		911050000	
Create Date:		7/3/1991	Region Code:		3	
Fac Act Ind:		No	Owner Name:		ALLAN CHU	
Inact Date:		1/1/1995	Owner Addr 1:		NOT REQUIRED	
County Code:		19	Owner Addr 2:			
County Name:		Los Angeles	Owner City:		NOT REQUIRED	
Mail Name:			Owner State:		ME	
Mailing Addr 1:		621 S ARROYO PARKWAY UNIT B	Owner Zip:		999990000	
Mailing Addr 2:			Owner Phone:		4155551212	
Owner Fax:						
Contact Information						
--		--				
Contact Name:		UNDELIVERABEL PER SURVEY 11/94				
Street Address 1:		621 S ARROYO PARKWAY UNIT B				
Street Address 2:						
City:		PASADENA				
State:		CA				
Zip:		911050000				
Phone:		--				
--		--				
51	12 of 16	S	0.10 / 515.01	779.23 / -14	RAYS MBZ 621 S ARROYO PKWY STE B PASADENA CA 911053280	HAZNET
SIC Code:				Mailing City:	PASADENA	
NAICS Code:				Mailing State:	CA	
EPA ID:		CAL000377020	Mailing Zip:		911053280	
Create Date:		8/7/2012	Region Code:		3	
Fac Act Ind:		No	Owner Name:		RAYMOND YADEGAR	
Inact Date:		6/30/2015	Owner Addr 1:		621 S ARROYO PKWY STE B	
County Code:		19	Owner Addr 2:			
County Name:		Los Angeles	Owner City:		PASADENA	
Mail Name:			Owner State:		CA	
Mailing Addr 1:		621 S ARROYO PKWY STE B	Owner Zip:		911053280	
Mailing Addr 2:			Owner Phone:		6263969544	
Owner Fax:		6263964941				
Contact Information						
--		--				
Contact Name:		RAYMOND YADEGAR				
Street Address 1:		16452 ARMSTEAD ST				
Street Address 2:						
City:		GRANADA HILLS				
State:		CA				
Zip:		913440000				
Phone:		6263969544				
--		--				
51	13 of 16	S	0.10 / 515.01	779.23 / -14	FAIR OAKS AUTOMOTIVE 621 S ARROYO PARKWAY #B PASADENA CA 911050000	HAZNET
SIC Code:				Mailing City:	PASADENA	
NAICS Code:				Mailing State:	CA	
EPA ID:		CAL000076025	Mailing Zip:		911050000	
Create Date:		6/23/1992	Region Code:		3	
Fac Act Ind:		No	Owner Name:		MIKE CHEW	
Inact Date:		6/30/1995	Owner Addr 1:		621 S ARROYO PARKWAY #B	
County Code:		19	Owner Addr 2:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<hr/>						
County Name:	Los Angeles				Owner City:	PASADENA
Mail Name:					Owner State:	CA
Mailing Addr 1:	621 S ARROYO PARKWAY #B				Owner Zip:	911050000
Mailing Addr 2:					Owner Phone:	8184496616
Owner Fax:						
<hr/>						
Contact Information						
--	--	--	--	--	--	--
Contact Name:	UNDELIVERABLE FEES FORM 95 LC					
Street Address 1:	621 ARROYO PARKWAY #B					
Street Address 2:						
City:	PASADENA					
State:	CA					
Zip:	911050000					
Phone:	8184496616					
--	--	--	--	--	--	--
<hr/>						
51	14 of 16	S	0.10 / 515.01	779.23 / -14	JOHNS AUTO 621 S ARROYO PKWY STE B PASADENA CA 911053280	HAZNET
<hr/>						
SIC Code:	7538				Mailing City:	SEAL BEACH
NAICS Code:	811111				Mailing State:	CA
EPA ID:	CAL000126292				Mailing Zip:	907403447
Create Date:	11/27/1996				Region Code:	3
Fac Act Ind:	No				Owner Name:	JOHN CHANG
Inact Date:	6/30/2010				Owner Addr 1:	621 S ARROYO PKWY STE B
County Code:	19				Owner Addr 2:	
County Name:	Los Angeles				Owner City:	PASADENA
Mail Name:					Owner State:	CA
Mailing Addr 1:	13180 SAINT ANDREWS DR APT 238B				Owner Zip:	911053280
Mailing Addr 2:					Owner Phone:	6265683652
Owner Fax:	0000000000					
<hr/>						
Contact Information						
--	--	--	--	--	--	--
Contact Name:	JOHN CHANG					
Street Address 1:	621 S ARROYO PKWY					
Street Address 2:						
City:	PASADENA					
State:	CA					
Zip:	911053235					
Phone:	6265683652					
--	--	--	--	--	--	--
<hr/>						
Tanner Information						
--	--	--	--	--	--	--
Generator EPA ID:	CAL000126292					
Generator County Code:	19					
Generator County:	Los Angeles					
TSD EPA ID:	CAT080013352					
TSD County Code:	19					
TSD County:	Los Angeles					
State Waste Code:	133					
State Waste Code Desc.:	Aqueous solution with total organic residues 10 percent or more					
Method Code:	R01					
Method Description:	Recycler					
Tons:	0.2293					
Year:	1996					
--	--	--	--	--	--	--
Generator EPA ID:	CAL000126292					
Generator County Code:	19					
Generator County:	Los Angeles					
TSD EPA ID:						
TSD County Code:						
TSD County:						
State Waste Code:	134					
State Waste Code Desc.:	Aqueous solution with total organic residues less than 10 percent					

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<hr/>						
Method Code:		R01				
Method Description:		Recycler				
Tons:		0.231				
Year:		1998				
--		--				
Generator EPA ID:		CAL000126292				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAT080013352				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		134				
State Waste Code Desc.:		Aqueous solution with total organic residues less than 10 percent				
Method Code:		R01				
Method Description:		Recycler				
Tons:		0.462				
Year:		1998				
--		--				
Generator EPA ID:		CAL000126292				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAD099452708				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		134				
State Waste Code Desc.:		Aqueous solution with total organic residues less than 10 percent				
Method Code:		R01				
Method Description:		Recycler				
Tons:		0.924				
Year:		1999				
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[51](#)

15 of 16

S

0.10 /
515.01

779.23 /
-14

RAYS MBZ
621 S ARROYO PKWY STE B
PASADENA CA 91105-3280

RCRA
NON GEN

EPA Handler ID: CAL000377020
Gen Status Universe: No Report
Contact Name: RAYMOND YADEGAR
Contact Address: 16452 ARMSTEAD ST , , GRANADA HILLS , CA, 91344 ,
Contact Phone No and Ext: 626-396-9544
Contact Email: RAYMBZ00@YAHOO.COM
Contact Country:
County Name: LOS ANGELES
EPA Region: 09
Land Type:
Receive Date: 20120807

Violation/Evaluation Summary

Note: NO RECORDS: As of Dec 2018, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: Yes
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Used Oil Refiner:		No				
Used Oil Burner:		No				
Used Oil Market Burner:		No				
Used Oil Spec Marketer:		No				

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20120807
Handler Name: RAYS MBZ
Generator Status Universe: No Report
Source Type: Implementer

Owner/Operator Details

Owner/Operator Ind:	Current Owner	Street No:	
Type:	Other	Street 1:	621 S ARROYO PKWY STE B
Name:	RAYMOND YADEGAR	Street 2:	
Date Became Current:		City:	PASADENA
Date Ended Current:		State:	CA
Phone:	626-396-9544	Country:	
Source Type:	Implementer	Zip Code:	91105-3280
Owner/Operator Ind:	Current Operator	Street No:	
Type:	Other	Street 1:	16452 ARMSTEAD ST
Name:	RAYMOND YADEGAR	Street 2:	
Date Became Current:		City:	GRANADA HILLS
Date Ended Current:		State:	CA
Phone:	626-396-9544	Country:	
Source Type:	Implementer	Zip Code:	91344

51	16 of 16	S	0.10 / 515.01	779.23 / -14	FARRIS AND SONS AUTO SVC 621 S ARROYO PARKWAY UNIT B PASADENA CA 91105	RCRA SQG
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EPA Handler ID: CAD983587627
Gen Status Universe: Small Quantity Generator
Contact Name: TED FARRIS
Contact Address: 621 S ARROYO PARKWAY UNIT B , , PASADENA , CA, 91105 , US
Contact Phone No and Ext: 818-795-4740
Contact Email:
Contact Country: US
County Name: LOS ANGELES
EPA Region: 09
Land Type:
Receive Date: 19910703

Violation/Evaluation Summary

Note: NO RECORDS: As of Dec 2018, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<hr/>						
Used Oil Transfer Facility:	No					
Used Oil Processor:	No					
Used Oil Refiner:	No					
Used Oil Burner:	No					
Used Oil Market Burner:	No					
Used Oil Spec Marketer:	No					

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 19910703
Handler Name: FARRIS AND SONS AUTO SVC
Generator Status Universe: Small Quantity Generator
Source Type: Notification

Owner/Operator Details

Owner/Operator Ind:	Current Owner	Street No:	
Type:	Private	Street 1:	NOT REQUIRED
Name:	ALLAN CHU	Street 2:	
Date Became Current:		City:	NOT REQUIRED
Date Ended Current:		State:	ME
Phone:	415-555-1212	Country:	
Source Type:	Notification	Zip Code:	99999

Owner/Operator Ind:	Current Operator	Street No:	
Type:	Private	Street 1:	NOT REQUIRED
Name:	NOT REQUIRED	Street 2:	
Date Became Current:		City:	NOT REQUIRED
Date Ended Current:		State:	ME
Phone:	415-555-1212	Country:	
Source Type:	Notification	Zip Code:	99999

52	1 of 3	SSW	0.10 / 521.24	778.14 / -15	PLAY-WELL EQUIP CO 655 S RAYMOND AV PASADENA CA 91105	EMISSIONS
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1990 Criteria Data

Facility ID:	8561	CERR Code:	
Facility SIC Code:	3949	TOGT:	5
CO:	19	ROGT:	4.522
Air Basin:	SC	COT:	
District:	SC	NOXT:	
COID:	LA	SOXT:	
DISN:	SOUTH COAST AQMD	PMT:	
CHAPIS:		PM10T:	

1990 Toxic Data

Facility ID:	8561	COID:	LA
Facility SIC Code:	3949	DISN:	SOUTH COAST AQMD
CO:	19	CHAPIS:	
Air Basin:	SC	CERR Code:	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

52	2 of 3	SSW	0.10 /	778.14 /	PLAY-WELL EQUIPMENT	FINDS/FRS
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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
			521.24	-15	655 S RAYMOND AVE PASADENA CA 91105	
Registry ID: 110066512232 FIPS Code: Program Acronyms: CA-ENVIROVIEW HUC Code: 18070105 Site Type Name: STATIONARY Location Description: Supplemental Location: Create Date: 14-OCT-2015 11:49:04 Update Date: Interest Types: STATE MASTER SIC Codes: SIC Code Descriptions: NAICS Codes: NAICS Code Descriptions: Conveyor: FRS-GEOCODE Federal Facility Code: Federal Agency Name: Tribal Land Code: Tribal Land Name: Congressional Dist No.: 29 Census Block Code: 060374640005008 EPA Region Code: 09 County Name: LOS ANGELES US/Mexico Border Ind: Latitude: 34.134465 Longitude: -118.148797 Reference Point: ENTRANCE POINT OF A FACILITY OR STATION Coord Collection Method: ADDRESS MATCHING-HOUSE NUMBER Accuracy Value: 50 Datum: NAD83 Source: Facility Detail Rprt URL: http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110066512232						
52	3 of 3	SSW	0.10 / 521.24	778.14 / -15	PLAYWELL EQUIPMENT CO 655 SO RAYMOND PASADENA CA 911050000	HAZNET
SIC Code: NAICS Code: EPA ID: CAC001260272 Create Date: 2/18/1997 Fac Act Ind: No Inact Date: 10/25/2000 County Code: 19 County Name: Los Angeles Mail Name: Mailing Addr 1: 655 SO RAYMOND Mailing Addr 2: Owner Fax:						
Mailing City: PASADENA Mailing State: CA Mailing Zip: 911050000 Region Code: 3 Owner Name: PLAYWELL EQUIPMENT CO Owner Addr 1: 655 SO RAYMOND Owner Addr 2: Owner City: PASADENA Owner State: CA Owner Zip: 911050000 Owner Phone: 0000000000						
Contact Information						
--						
Contact Name: JOHN MATTHIESSEN Street Address 1: 655 SO RAYMOND Street Address 2: City: PASADENA State: CA Zip: 911050000 Phone: 8187930603 -- --						
Tanner Information						
--						
Generator EPA ID: CAC001260272						

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAD000088252				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		512				
State Waste Code Desc.:		Other empty containers 30 gallons or more				
Method Code:		H01				
Method Description:		Transfer station				
Tons:		0.1125				
Year:		1997				
--		--				
Generator EPA ID:		CAC001260272				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAT080013352				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		221				
State Waste Code Desc.:		Waste oil and mixed oil				
Method Code:		R01				
Method Description:		Recycler				
Tons:		0.57				
Year:		2000				
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[53](#)

1 of 3

NNW

**0.10 /
524.63**

**808.17 /
15**

**Congregation Ale House
300 S RAYMOND AVE
PASADENA CA 91105**

CERS HAZ

Site ID: 107743
Latitude: 34.140106
Longitude: -118.148476

Regulated Programs

EI ID: 10603207 **EI Description:** Chemical Storage Facilities

Violations

Violation Date: 11/12/2014
Violation Division: Pasadena Fire Department
Violation Program: HMRRP
Violation Source: CERS
Citation: HSC 6.95 25508(d) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(d)
Violation Notes:

Returned to compliance on 02/10/2015.; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to complete and/or electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.

Violations

Violation Date: 11/12/2014
Violation Division: Pasadena Fire Department
Violation Program: HMRRP
Violation Source: CERS
Citation: HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Notes:

Returned to compliance on 02/10/2015.; Note: data in [Violation Notes] field for some records is truncated from the source.

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Violation Description:

Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.

Violations

Violation Date: 11/12/2014
Violation Division: Pasadena Fire Department
Violation Program: HMRRP
Violation Source: CERS
Citation: HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Notes:

Returned to compliance on 02/10/2015.; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to annually review and electronically certify that the business plan is complete, accurate, and up-to-date.

Violations

Violation Date: 11/12/2014
Violation Division: Pasadena Fire Department
Violation Program: HMRRP
Violation Source: CERS
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Notes:

Returned to compliance on 02/10/2015.; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.

Violations

Violation Date: 11/12/2014
Violation Division: Pasadena Fire Department
Violation Program: HMRRP
Violation Source: CERS
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Notes:

Returned to compliance on 02/10/2015.; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to establish and electronically submit an adequate emergency response plan and procedures for a release or threatened release of a hazardous material.

Violations

Violation Date: 11/12/2014
Violation Division: Pasadena Fire Department
Violation Program: HMRRP
Violation Source: CERS
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Notes:

Returned to compliance on 02/10/2015.; Note: data in [Violation Notes] field for some records is truncated from the source.

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Violation Description:

Failure to establish and electronically submit an adequate training program in safety procedures in the event of a release or threatened release of a hazardous material.

Violations

Violation Date: 11/12/2014
Violation Division: Pasadena Fire Department
Violation Program: HMRRP
Violation Source: CERS
Citation: HSC 6.95 25508.1(a)-(e) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(e)
Violation Notes:

Returned to compliance on 02/10/2015.; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to electronically update business plan within 30 days of any one of the following events:
 A 100 percent or more increase in the quantity of a previously disclosed material.
 Any handling of a previously undisclosed hazardous materials at or above reportable quantities.
 A change of business address, business ownership, or business name.

Violations

Violation Date: 11/12/2014
Violation Division: Pasadena Fire Department
Violation Program: HMRRP
Violation Source: CERS
Citation: 19 CCR 6.95 25508(a)(1) - California Code of Regulations, Title 19, Chapter 6.95, Section(s) 25508(a)(1)
Violation Notes:

Returned to compliance on 02/10/2015.; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to complete and electronically submit the Business Activities Page and/or Business Owner Operator Identification Page.

Violations

Violation Date: 11/12/2014
Violation Division: Pasadena Fire Department
Violation Program: HMRRP
Violation Source: CERS
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Notes:

Returned to compliance on 02/10/2015.; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to complete and electronically submit a site map with all required content.

Evaluations

Eval Date: 11/12/2014
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Pasadena Fire Department
Eval Program: HMRRP

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Eval Source:	CERS
Eval Notes:	

; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date:	4/27/2016
Violations Found:	No
Eval General Type:	Compliance Evaluation Inspection
Eval Type:	Routine done by local agency
Eval Division:	Los Angeles County Fire Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval Notes:	

; Note: data in [EVAL Notes] field for some records is truncated from the source.

Affiliations

Affil Type Desc:	Identification Signer
Entity Name:	Travis Ensling
Entity Title:	COO
Address:	
City:	
State:	
Country:	
Zip Code:	
Phone:	

Affil Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	
Address:	300 S Raymond Ave
City:	Pasadena
State:	CA
Country:	
Zip Code:	91105
Phone:	

Affil Type Desc:	Parent Corporation
Entity Name:	Congregation Ale House
Entity Title:	
Address:	
City:	
State:	
Country:	
Zip Code:	
Phone:	

Affil Type Desc:	Operator
Entity Name:	Travis Ensling
Entity Title:	
Address:	
City:	
State:	
Country:	
Zip Code:	
Phone:	(310) 710-9203

Affil Type Desc:	CUPA District
Entity Name:	Los Angeles County Fire
Entity Title:	
Address:	5825 Rickenbacker Road
City:	Commerce
State:	CA
Country:	
Zip Code:	90040-3027

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<hr/>						
Phone:		(323) 890-4045				
Affil Type Desc:		Document Preparer				
Entity Name:		Travis Ensling				
Entity Title:						
Address:						
City:						
State:						
Country:						
Zip Code:						
Phone:						
Affil Type Desc:		Environmental Contact				
Entity Name:		Travis Ensling				
Entity Title:						
Address:		619 N Azusa Ave				
City:		Azusa				
State:		CA				
Country:						
Zip Code:		91702				
Phone:		(310) 710-9203				
Affil Type Desc:		Property Owner				
Entity Name:		RDS Investments				
Entity Title:						
Address:		9701 Wilshire Blvd				
City:		Beverly Hills				
State:		CA				
Country:		United States				
Zip Code:		90212				
Phone:		(424) 279-9326				
Affil Type Desc:		Legal Owner				
Entity Name:		Travis Ensling				
Entity Title:						
Address:		619 N Azusa Ave				
City:		Azusa				
State:		CA				
Country:		United States				
Zip Code:		91702				
Phone:		(310) 710-9203				

Coordinates

Env Int Type Code:	HMBP	Longitude:	-118.148480
Program ID:	10603207	Coord Name:	
Latitude:	34.140110	Ref Point Type Desc:	Center of a facility or station.

[53](#)

2 of 3

NNW

0.10 /
524.63

808.17 /
15

CROWN CITY BREWERY
300 S. RAYMOND AVE.
PASADENA CA 91105

EMISSIONS

1990 Criteria Data

Facility ID:	66782	CERR Code:	
Facility SIC Code:	5812	TOGT:	0
CO:	19	ROGT:	0
Air Basin:	SC	COT:	
District:	SC	NOXT:	
COID:	LA	SOXT:	
DISN:	SOUTH COAST AQMD	PMT:	.1
CHAPIS:		PM10T:	.095

1990 Toxic Data

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<div> <div> Facility ID: 66782 Facility SIC Code: 5812 CO: 19 Air Basin: SC District: SC TS: Health Risk Asmt: Non-Cancer Chronic Haz Ind: Non-Cancer Acute Haz Ind: </div> <div> COID: DISN: CHAPIS: CERR Code: </div> <div> LA SOUTH COAST AQMD </div> </div>						
53	3 of 3	NNW	0.10 / 524.63	808.17 / 15	CONGREGATION ALE HOUSE 300 S RAYMOND AVE PASADENA CA 91105	FINDS/FRS
<div> Registry ID: 110065067199 FIPS Code: Program Acronyms: CA-ENVIROVIEW HUC Code: 18070105 Site Type Name: STATIONARY Location Description: Supplemental Location: Create Date: 10-OCT-2015 08:51:45 Update Date: Interest Types: STATE MASTER SIC Codes: SIC Code Descriptions: NAICS Codes: NAICS Code Descriptions: Conveyor: FRS-GEOCODE Federal Facility Code: Federal Agency Name: Tribal Land Code: Tribal Land Name: Congressional Dist No.: 29 Census Block Code: 060374636024002 EPA Region Code: 09 County Name: LOS ANGELES US/Mexico Border Ind: Latitude: 34.14011 Longitude: -118.14847 Reference Point: CENTER OF A FACILITY OR STATION Coord Collection Method: ADDRESS MATCHING-HOUSE NUMBER Accuracy Value: 30 Datum: NAD83 Source: Facility Detail Rprt URL: http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110065067199 </div>						
54	1 of 6	S	0.10 / 546.23	779.14 / -14	ARROYO CLEANERS 633 S ARROYO PKWY # 4 PASADENA CA 91105	CERS HAZ
<div> Site ID: 6956 Latitude: 34.134470 Longitude: -118.147770 </div>						
<u>Regulated Programs</u>						
<div> <div> EI ID: 10305481 </div> <div> EI Description: Hazardous Waste Generator </div> </div>						
<div> <div> EI ID: 10305481 </div> <div> EI Description: Chemical Storage Facilities </div> </div>						
<u>Violations</u>						

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Violation Date:	6/30/2015
Violation Division:	Pasadena Fire Department
Violation Program:	HMRRP
Violation Source:	CERS
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Notes:	

Returned to compliance on 09/03/2015.; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to complete and electronically submit a site map with all required content.

Violations

Violation Date:	6/30/2015
Violation Division:	Pasadena Fire Department
Violation Program:	HMRRP
Violation Source:	CERS
Citation:	HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Notes:	

Returned to compliance on 09/03/2015.; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to annually review and electronically certify that the business plan is complete, accurate, and up-to-date.

Violations

Violation Date:	6/30/2015
Violation Division:	Pasadena Fire Department
Violation Program:	HMRRP
Violation Source:	CERS
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Notes:	

Returned to compliance on 09/03/2015.; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to establish and electronically submit an adequate training program in safety procedures in the event of a release or threatened release of a hazardous material.

Violations

Violation Date:	6/30/2015
Violation Division:	Pasadena Fire Department
Violation Program:	HMRRP
Violation Source:	CERS
Citation:	HSC 6.95 25508.1(a)-(e) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(e)
Violation Notes:	

Returned to compliance on 09/03/2015.; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to electronically update business plan within 30 days of any one of the following events:
A 100 percent or more increase in the quantity of a previously disclosed material.
Any handling of a previously undisclosed hazardous materials at or above reportable quantities.
A change of business address, business ownership, or business name.

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Violations

Violation Date: 6/30/2015
Violation Division: Pasadena Fire Department
Violation Program: HMRRP
Violation Source: CERS
Citation: HSC 6.95 25508(d) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(d)
Violation Notes:

Returned to compliance on 09/03/2015.; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to complete and/or electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.

Violations

Violation Date: 6/30/2015
Violation Division: Pasadena Fire Department
Violation Program: HMRRP
Violation Source: CERS
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Notes:

Returned to compliance on 09/03/2015.; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to establish and electronically submit an adequate emergency response plan and procedures for a release or threatened release of a hazardous material.

Violations

Violation Date: 6/30/2015
Violation Division: Pasadena Fire Department
Violation Program: HMRRP
Violation Source: CERS
Citation: 19 CCR 6.95 25508(a)(1) - California Code of Regulations, Title 19, Chapter 6.95, Section(s) 25508(a)(1)
Violation Notes:

Returned to compliance on 09/03/2015.; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to complete and electronically submit the Business Activities Page and/or Business Owner Operator Identification Page.

Violations

Violation Date: 6/30/2015
Violation Division: Pasadena Fire Department
Violation Program: HMRRP
Violation Source: CERS
Citation: HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Notes:

Returned to compliance on 09/03/2015.; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Violations

Violation Date: 6/30/2015
Violation Division: Pasadena Fire Department
Violation Program: HMRRP
Violation Source: CERS
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Notes:

Returned to compliance on 09/03/2015.; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.

Evaluations

Eval Date: 6/30/2015
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Pasadena Fire Department
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 3/7/2014
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS
Eval Notes:

; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 3/14/2017
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS
Eval Notes:

; Note: data in [EVAL Notes] field for some records is truncated from the source.

Affiliations

Affil Type Desc: CUPA District
Entity Name: Los Angeles County Fire
Entity Title:
Address: 5825 Rickenbacker Road
City: Commerce
State: CA
Country:
Zip Code: 90040-3027
Phone: (323) 890-4045

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Affil Type Desc: Entity Name: Entity Title: Address: City: State: Country: Zip Code: Phone:		Operator SUN JU CHO				
Affil Type Desc: Entity Name: Entity Title: Address: City: State: Country: Zip Code: Phone:		Facility Mailing Address Mailing Address 633 S ARROYO PKWY #4 PASADENA CA 91105				
Affil Type Desc: Entity Name: Entity Title: Address: City: State: Country: Zip Code: Phone:		Identification Signer SUN JU CHO OWNER				
Affil Type Desc: Entity Name: Entity Title: Address: City: State: Country: Zip Code: Phone:		Legal Owner SUN JU CHO 633 S ARROYO PKWY #4 PASADENA CA United States 91105 (626) 304-1100				
Affil Type Desc: Entity Name: Entity Title: Address: City: State: Country: Zip Code: Phone:		Environmental Contact SUN JU CHO 633 S ARROYO PKWY # 4 PASADENA CA 91105 (626) 304-1100				
Affil Type Desc: Entity Name: Entity Title: Address: City: State: Country: Zip Code: Phone:		Parent Corporation ARROYO CLEANERS				
Affil Type Desc: Entity Name: Entity Title: Address: City: State: Country: Zip Code: Phone:		Document Preparer Sun Ju Cho				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
54	2 of 6	S	0.10 / 546.23	779.14 / -14	ARROYO CLEANERS 633 S ARROYO PKWY STE 4 PASADENA CA 911050000	DRYCLEANERS
<div> <div> EPA ID: CAD981663537 Create Date: 4/10/1987 Facility Act Ind: Yes Inact Date: Reason: SIC/NAICS County Name: Los Angeles Region Code: 3 Owner Name: SUN JU CHO Owner Street 1: 633 S ARROYO PKWY STE 4 Owner Street 2: Owner City: PASADENA Owner State: CA Owner Zip: 911053258 </div> <div> Owner Phone: 6263041100 Owner Fax: 0000000000 Contact Name: SUN JU CHO-OWNER Contact Street 1: 633 S ARROYO PKWY STE 4 Contact Street 2: Contact City: PASADENA Contact State: CA Contact Zip: 91105 Contact Phone: 6263041100 Mail Name: DD Latitude: 34.134911 DD Longitude: -118.166569 </div> </div>						
--Details--						
NAICS Code:		81232				
Naics Desc:		Drycleaning and Laundry Services (except Coin-Operated)				
SIC Code:		7211				
SIC Desc:		Power Laundries, Family and Commercial				

54	3 of 6	S	0.10 / 546.23	779.14 / -14	ARROYO CLEANERS, MEHRAN FARHAD 633 S ARROYO PKWY PASADENA CA 91105	EMISSIONS
<u>1987 Criteria Data</u>						
<div> <div> Facility ID: 54779 Facility SIC Code: 7216 CO: 19 Air Basin: SC District: SC COLD: LA DISN: SOUTH COAST AQMD CHAPIS: </div> <div> CERR Code: TOGT: 1.4 ROGT: 0 COT: NOXT: SOXT: PMT: PM10T: </div> </div>						
<u>1987 Toxic Data</u>						
<div> <div> Facility ID: 54779 Facility SIC Code: 7216 CO: 19 Air Basin: SC District: SC TS: Health Risk Asmt: Non-Cancer Chronic Haz Ind: Non-Cancer Acute Haz Ind: </div> <div> COLD: LA DISN: SOUTH COAST AQMD CHAPIS: CERR Code: </div> </div>						
<u>1990 Criteria Data</u>						
<div> <div> Facility ID: 54779 Facility SIC Code: 7216 CO: 19 Air Basin: SC District: SC COLD: LA </div> <div> CERR Code: TOGT: 1.4 ROGT: 0 COT: NOXT: SOXT: </div> </div>						

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
DISN: CHAPIS:		SOUTH COAST AQMD		PMT: PM10T:		
1990 Toxic Data						
Facility ID:	54779			COID:	LA	
Facility SIC Code:	7216			DISN:	SOUTH COAST AQMD	
CO:	19			CHAPIS:		
Air Basin:	SC			CERR Code:		
District:	SC					
TS:						
Health Risk Asmt:						
Non-Cancer Chronic Haz Ind:						
Non-Cancer Acute Haz Ind:						
54	4 of 6	S	0.10 / 546.23	779.14 / -14	ARROYO CLEANERS 633 S ARROYO PKWY 4 PASADENA CA 91105-3293	FINDS/FRS
Registry ID:		110002741971				
FIPS Code:		06037				
Program Acronyms:		CA-ENVIROVIEW, HWTS-DATAMART, RCRAINFO				
HUC Code:		18070105				
Site Type Name:		STATIONARY				
Location Description:						
Supplemental Location:						
Create Date:		01-MAR-2000 00:00:00				
Update Date:		13-OCT-2015 11:45:32				
Interest Types:		SQG, STATE MASTER				
SIC Codes:		7216				
SIC Code Descriptions:		DRYCLEANING PLANTS, EXCEPT RUG CLEANING				
NAICS Codes:						
NAICS Code Descriptions:						
Conveyor:		FRS-GEOCODE				
Federal Facility Code:						
Federal Agency Name:						
Tribal Land Code:						
Tribal Land Name:						
Congressional Dist No.:		29				
Census Block Code:		060374640005010				
EPA Region Code:		09				
County Name:		LOS ANGELES				
US/Mexico Border Ind:						
Latitude:		34.13447				
Longitude:		-118.14741				
Reference Point:		CENTER OF A FACILITY OR STATION				
Coord Collection Method:		ADDRESS MATCHING-HOUSE NUMBER				
Accuracy Value:		30				
Datum:		NAD83				
Source:						
Facility Detail Rprt URL:		http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110002741971				
54	5 of 6	S	0.10 / 546.23	779.14 / -14	ARROYO CLEANERS 633 S ARROYO PKWY STE 4 PASADENA CA 911050000	HAZNET
SIC Code:		7211,7212,7216,7219,7389		Mailing City:		PASADENA
NAICS Code:		81232		Mailing State:		CA
EPA ID:		CAD981663537		Mailing Zip:		911053258
Create Date:		4/10/1987		Region Code:		3
Fac Act Ind:		Yes		Owner Name:		SUN JU CHO
Inact Date:				Owner Addr 1:		633 S ARROYO PKWY STE 4
County Code:		19		Owner Addr 2:		
County Name:		Los Angeles		Owner City:		PASADENA
Mail Name:				Owner State:		CA

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Mailing Addr 1:	633 S ARROYO PKWY STE 4				Owner Zip:	911053258
Mailing Addr 2:					Owner Phone:	6263041100
Owner Fax:	0000000000					
Contact Information						
--	--					
Contact Name:	SUN JU CHO-OWNER					
Street Address 1:	633 S ARROYO PKWY STE 4					
Street Address 2:						
City:	PASADENA					
State:	CA					
Zip:	91105					
Phone:	6263041100					
--	--					
--	--					
Tanner Information						
--	--					
Generator EPA ID:	CAD981663537					
Generator County Code:	19					
Generator County:	Los Angeles					
TSD EPA ID:	CAD981397417					
TSD County Code:	19					
TSD County:	Los Angeles					
State Waste Code:	211					
State Waste Code Desc.:	Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)					
Method Code:	R01					
Method Description:	Recycler					
Tons:	0.5756					
Year:	1995					
--	--					
Generator EPA ID:	CAD981663537					
Generator County Code:	19					
Generator County:	Los Angeles					
TSD EPA ID:	CAD981397417					
TSD County Code:	19					
TSD County:	Los Angeles					
State Waste Code:	211					
State Waste Code Desc.:	Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)					
Method Code:	R01					
Method Description:	Recycler					
Tons:	1.1702					
Year:	1996					
--	--					
Generator EPA ID:	CAD981663537					
Generator County Code:	19					
Generator County:	Los Angeles					
TSD EPA ID:	CAD981397417					
TSD County Code:	19					
TSD County:	Los Angeles					
State Waste Code:	211					
State Waste Code Desc.:	Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)					
Method Code:	R01					
Method Description:	Recycler					
Tons:	21.535					
Year:	1997					
--	--					
Generator EPA ID:	CAD981663537					
Generator County Code:	19					
Generator County:	Los Angeles					
TSD EPA ID:	CAD981397417					
TSD County Code:	19					
TSD County:	Los Angeles					
State Waste Code:	211					
State Waste Code Desc.:	Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)					
Method Code:	R01					
Method Description:	Recycler					
Tons:	0.8405					
Year:	1998					
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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Generator EPA ID:		CAD981663537				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAD981397417				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		211				
State Waste Code Desc.:		Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)				
Method Code:		R01				
Method Description:		Recycler				
Tons:		0.7947				
Year:		1999				
--		--				
Generator EPA ID:		CAD981663537				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAD981397417				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		211				
State Waste Code Desc.:		Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)				
Method Code:						
Method Description:						
Tons:		0.3566				
Year:		1999				
--		--				
Generator EPA ID:		CAD981663537				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAD981397417				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:						
State Waste Code Desc.:						
Method Code:		R01				
Method Description:		Recycler				
Tons:		0				
Year:		1999				
--		--				
Generator EPA ID:		CAD981663537				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAD981397417				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		211				
State Waste Code Desc.:		Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)				
Method Code:		R01				
Method Description:		Recycler				
Tons:		0.2107				
Year:		2000				
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Generator EPA ID:		CAD981663537				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		NVR000076158				
TSD County Code:		99				
TSD County:		Unknown				
State Waste Code:						
State Waste Code Desc.:						
Method Code:						
Method Description:						
Tons:						
Year:		2004				
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Generator EPA ID:		CAD981663537				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		NVR000076158				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
TSD County Code:		99				
TSD County:		Unknown				
State Waste Code:		211				
State Waste Code Desc.:		Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)				
Method Code:						
Method Description:						
Tons:		0.1251				
Year:		2004				
--		--				
Generator EPA ID:		CAD981663537				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		NVR000076158				
TSD County Code:		99				
TSD County:		Unknown				
State Waste Code:						
State Waste Code Desc.:						
Method Code:						
Method Description:						
Tons:						
Year:		2005				
--		--				
Generator EPA ID:		CAD981663537				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		NVR000076158				
TSD County Code:		99				
TSD County:		Unknown				
State Waste Code:						
State Waste Code Desc.:						
Method Code:		R01				
Method Description:		Recycler				
Tons:						
Year:		2005				
--		--				
Generator EPA ID:		CAD981663537				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		NVR000076158				
TSD County Code:		99				
TSD County:		Unknown				
State Waste Code:		211				
State Waste Code Desc.:		Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)				
Method Code:						
Method Description:						
Tons:		0.1251				
Year:		2005				
--		--				
Generator EPA ID:		CAD981663537				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		NVR000076158				
TSD County Code:		99				
TSD County:		Unknown				
State Waste Code:		134				
State Waste Code Desc.:		Aqueous solution with total organic residues less than 10 percent				
Method Code:						
Method Description:						
Tons:						
Year:		2005				
--		--				
Generator EPA ID:		CAD981663537				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		NVR000076158				
TSD County Code:		99				
TSD County:		Unknown				
State Waste Code:		211				
State Waste Code Desc.:		Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<hr/>						
Method Code:		R01				
Method Description:		Recycler				
Tons:		0.1251				
Year:		2005				
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Generator EPA ID:		CAD981663537				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		NVR000076158				
TSD County Code:		99				
TSD County:		Unknown				
State Waste Code:		211				
State Waste Code Desc.:		Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)				
Method Code:		***				
Method Description:		Invalid disposal code				
Tons:		0.1251				
Year:		2005				
--		--				
Generator EPA ID:		CAD981663537				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		NVR000076158				
TSD County Code:		99				
TSD County:		Unknown				
State Waste Code:		213				
State Waste Code Desc.:		Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)				
Method Code:						
Method Description:						
Tons:						
Year:		2005				
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[54](#)

6 of 6

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0.10 /
546.23

779.14 /
-14

ARROYO CLEANERS
633 S ARROYO PKWY 4
PASADENA CA 91105

RCRA SQG

EPA Handler ID: CAD981663537
 Gen Status Universe: Small Quantity Generator
 Contact Name: JU CHO SUN
 Contact Address: 633 S ARROYO PKWY 4 , , PASADENA , CA, 91105 , US
 Contact Phone No and Ext: 626-304-1100
 Contact Email:
 Contact Country: US
 County Name: LOS ANGELES
 EPA Region: 09
 Land Type: Private
 Receive Date: 19971124

Violation/Evaluation Summary

Note: NO RECORDS: As of Dec 2018, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
 Mixed Waste Generator: No
 Transporter Activity: No
 Transfer Facility: No
 Onsite Burner Exemption: No
 Furnace Exemption: No
 Underground Injection Activity: No
 Commercial TSD: No
 Used Oil Transporter: No
 Used Oil Transfer Facility: No
 Used Oil Processor: No

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Used Oil Refiner:		No				
Used Oil Burner:		No				
Used Oil Market Burner:		No				
Used Oil Spec Marketer:		No				

Hazardous Waste Handler Details

Sequence No: 2
Receive Date: 19971124
Handler Name: ARROYO CLEANERS
Generator Status Universe: Small Quantity Generator
Source Type: Notification

Waste Code Details

Hazardous Waste Code: D039
Waste Code Description: TETRACHLOROETHYLENE

Hazardous Waste Code: D000
Waste Code Description: DESCRIPTION

Hazardous Waste Code: F002
Waste Code Description: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 19861031
Handler Name: ARROYO CLEANERS
Generator Status Universe: Small Quantity Generator
Source Type: Notification

Owner/Operator Details

Owner/Operator Ind: Current Operator
Type: Private
Name: NOT REQUIRED
Date Became Current:
Date Ended Current:
Phone: 415-555-1212
Source Type: Notification

Street No:
Street 1: NOT REQUIRED
Street 2:
City: NOT REQUIRED
State: ME
Country:
Zip Code: 99999

Owner/Operator Ind: Current Owner
Type: Private
Name: SUN JU CHO
Date Became Current:
Date Ended Current:
Phone: 626-304-1100
Source Type: Notification

Street No:
Street 1: 633 S ARROYO PKWY 4
Street 2:
City: PASADENA
State: CA
Country:
Zip Code: 91105

[55](#)

1 of 1

NNW

0.10 /
550.33

808.60 /
15

PASADENA HUMANE SOCIETY
 361 SOUTH RAYMOND AVE
 PASADENA CA 911050000

HAZNET

SIC Code:
NAICS Code:
EPA ID: CAC000871152
Create Date: 7/22/1993

Mailing City: PASADENA
Mailing State: CA
Mailing Zip: 911050000
Region Code: 3

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Fac Act Ind:	No				Owner Name: PASADENA HUMANE SOCIETY	
Inact Date:	10/25/2000				Owner Addr 1: 361 SOUTH RAYMOND AVE	
County Code:	19				Owner Addr 2:	
County Name:	Los Angeles				Owner City: PASADENA	
Mail Name:					Owner State: CA	
Mailing Addr 1:	361 SOUTH RAYMOND AVE				Owner Zip: 911050000	
Mailing Addr 2:					Owner Phone: 0000000000	
Owner Fax:						
Contact Information						
--		--				
Contact Name:		STEVE MCNALL				
Street Address 1:		361 SOUTH RAYMOND AVE				
Street Address 2:						
City:		PASADENA				
State:		CA				
Zip:		911050000				
Phone:		8187921016				
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56	1 of 1	S	0.11 / 562.51	779.14 / -14	ARROYO CLEANERS, SUN JU CHO. DBA 633 S ARROYO PKY #4 PASADENA CA 91105	EMISSIONS
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2015 Toxic Data

Facility ID:	111394	COID:	LA
Facility SIC Code:	7216	DISN:	SOUTH COAST AQMD
CO:	19	CHAPIS:	
Air Basin:	SC	CERR Code:	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2016 Toxic Data

Facility ID:	111394	TS:	
Facility SIC Code:	7216	HRA:	
CERR CODE:		CH Index:	
COID:	LA	AH Index:	
CO:	19	Air Basin:	SC
DISN:	SOUTH COAST AQMD	District:	SC
CHAPIS:			

57	1 of 2	WSW	0.11 / 580.30	786.63 / -7	GLOBE ASBESTOS CO. PASADENA CA	ENVIROSTOR
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Estor/EPA ID:	80001011	Permit Renewal Lead:	
Site Code:		Project Manager:	
Nat Priority List:	NO	Supervisor:	DOUGLAS BAUTISTA
Acres:	0 ACRES	Public Partici Spclst:	
Special Program:		Census Tract:	6037463602
Funding:	DERA	County:	LOS ANGELES
Assembly District:	41	Latitude:	34.1361111111111
Senate District:	25	Longitude:	-118.15
School District:			
APN:	NONE SPECIFIED		
Cleanup Status:	INACTIVE - NEEDS EVALUATION AS OF 7/1/2005		
Cleanup Oversight Agencies:	DTSC - SITE CLEANUP PROGRAM - LEAD AGENCY		
Site Type:	FUDS		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Office: CLEANUP CYPRESS Past Use that Caused Contam: NONE SPECIFIED Potential Media Affected: NONE SPECIFIED Potential Contamin of Concern: NONE SPECIFIED Site History: Status: INACTIVE - NEEDS EVALUATION Program Type: MILITARY EVALUATION CalEnviroScreen Score: 41-45% Summary Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=80001011						
Completed Activities						
Title: USACE INPR Summary J0CA737300 24 Aug 1999 Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=80001011&doc_id=5011323 Area Name: Area Link: Sub Area: Sub Area Link: Document Type: Inventory Project Report (INPR) Date Completed: 8/24/1999 Comments:						
57	2 of 2	WSW	0.11 / 580.30	786.63 / -7	ASSOCIATED MANUFACTURING CO.	ENVIROSTOR
PASADENA CA						
Estor/EPA ID: 80000980 Site Code: Nat Priority List: NO Acres: 0 ACRES Special Program: Funding: DERA Assembly District: 41 Senate District: 25 School District: APN: NONE SPECIFIED Cleanup Status: INACTIVE - NEEDS EVALUATION AS OF 7/1/2005 Cleanup Oversight Agencies: DTSC - SITE CLEANUP PROGRAM - LEAD AGENCY Site Type: FUDS Office: CLEANUP CYPRESS Past Use that Caused Contam: NONE SPECIFIED Potential Media Affected: NONE SPECIFIED Potential Contamin of Concern: NONE SPECIFIED Site History: Status: INACTIVE - NEEDS EVALUATION Program Type: MILITARY EVALUATION CalEnviroScreen Score: 41-45% Summary Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=80000980						
Completed Activities						
Title: USACE INPR Summary J0CA733400 23 Aug 1999 Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=80000980&doc_id=5011281 Area Name: Area Link: Sub Area:						

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Sub Area Link: Document Type: Inventory Project Report (INPR) Date Completed: 8/23/1999 Comments:						

[58](#)

1 of 2

NNW

**0.11 /
605.28**

**809.70 /
16**

**335 S RAYMOND
PASADENA CA 911050000**

**HIST
MANIFEST**

Gen EPA ID: CAC000653784
Create Date: 11/14/1991 0:00:00
Inact Date: 10/25/2000 0:00:00
Facility Mail Street: 361 S RAYMOND
Facility Mail City: PASADENA
Facility Mail State: CA
Facility Mail Zip: 911050000
Contact Phone(s): 8187921016
File Year(s): 1991; 1992
Contact Name(s): LIZ BARONOWSKI/EDUCATION DIR

Tanner Information

Method Description:
Tons: 0
Year: 1992
Generator County Code: 19
Generator County: Los Angeles
Method Code:
Tsd County Code: 99
Tsd County: Unknown
State Waste Code:
State Waste Code Desc:
Tsd Epa ID: AZC000000150

Tanner Information

Method Description:
Tons: 0
Year: 1991
Generator County Code: 19
Generator County: Los Angeles
Method Code:
Tsd County Code: 99
Tsd County: Unknown
State Waste Code:
State Waste Code Desc:
Tsd Epa ID: AZC000000150

Tanner Information

Method Description:
Tons: 0
Year: 1992
Generator County Code: 19
Generator County: Los Angeles
Method Code: 3
Tsd County Code: 99
Tsd County: Unknown
State Waste Code: 151
State Waste Code Desc: Asbestos containing waste
Tsd Epa ID: AZC000000150

Tanner Information

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Method Description:						
Tons:		0				
Year:		1991				
Generator County Code:		19				
Generator County:		Los Angeles				
Method Code:		3				
Tsd County Code:		99				
Tsd County:		Unknown				
State Waste Code:		151				
State Waste Code Desc:		Asbestos containing waste				
Tsd Epa ID:		AZC000000150				

58	2 of 2	NNW	0.11 / 605.28	809.70 / 16	1X PASADENA HUMANE SOCIETY 335 S RAYMOND PASADENA CA 911050000	HAZNET
SIC Code:						
NAICS Code:						
EPA ID: CAC000653784						
Create Date: 11/14/1991						
Fac Act Ind: No						
Inact Date: 10/25/2000						
County Code: 19						
County Name: Los Angeles						
Mail Name:						
Mailing Addr 1: 361 S RAYMOND						
Mailing Addr 2:						
Owner Fax:						
Contact Information						
--						
Contact Name: LIZ BARONOWSKI/EDUCATION DIR						
Street Address 1:						
Street Address 2:						
City:						
State: 99						
Zip:						
Phone: 8187921016						
--						
--						
Tanner Information						
--						
Generator EPA ID: CAC000653784						
Generator County Code: 19						
Generator County: Los Angeles						
TSD EPA ID: CAD980883177						
TSD County Code: 15						
TSD County: Kern						
State Waste Code: 223						
State Waste Code Desc.: Unspecified oil-containing waste						
Method Code: R01						
Method Description: Recycler						
Tons: 0.417						
Year: 1993						
--						

59	1 of 2	N	0.12 / 614.35	811.59 / 18	PERFORMANCE BICYCLE SHOP #81 323 S ARROYO PKWY PASADENA CA 911052515	HAZNET
SIC Code: 5941,7699						
NAICS Code: 45111						
EPA ID: CAL000322956						
Create Date: 8/1/2007						
Fac Act Ind: Yes						
Mailing City: CHAPEL HILL						
Mailing State: NC						
Mailing Zip: 275140000						
Region Code: 3						
Owner Name: BITECH INC						

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Inact Date:					Owner Addr 1:	ONE PERFORMANCE WAY
County Code:	19				Owner Addr 2:	
County Name:	Los Angeles				Owner City:	CHAPEL HILL
Mail Name:					Owner State:	NC
Mailing Addr 1:	ONE PERFORMANCE WAY				Owner Zip:	275140000
Mailing Addr 2:					Owner Phone:	9199339113
Owner Fax:	0000000000					

Contact Information

Contact Name:	MARY TANNER
Street Address 1:	ONE PERFORMANCE WAY
Street Address 2:	
City:	CHAPEL HILL
State:	NC
Zip:	27517
Phone:	9199133626
--	--

[59](#)

2 of 2

N

0.12 /
614.35

811.59 /
18

PERFORMANCE BICYCLE SHOP
#81
323 S ARROYO PKWY
PASADENA CA 91105-2515

RCRA
NON GEN

EPA Handler ID:	CAL000322956
Gen Status Universe:	No Report
Contact Name:	MARY TANNER
Contact Address:	ONE PERFORMANCE WAY , , CHAPEL HILL , NC, 27517 ,
Contact Phone No and Ext:	919-913-3626
Contact Email:	TAXINFO@PERFORMANCEINC.COM
Contact Country:	
County Name:	LOS ANGELES
EPA Region:	09
Land Type:	
Receive Date:	20070801

Violation/Evaluation Summary

Note: NO RECORDS: As of Dec 2018, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	Yes
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	20070801
Handler Name:	PERFORMANCE BICYCLE SHOP #81
Generator Status Universe:	No Report

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Source Type:		Implementer				
<u>Owner/Operator Details</u>						
Owner/Operator Ind:	Current Owner			Street No:		
Type:	Other			Street 1:	ONE PERFORMANCE WAY	
Name:	BITECH INC			Street 2:		
Date Became Current:				City:	CHAPEL HILL	
Date Ended Current:				State:	NC	
Phone:	919-913-3626			Country:		
Source Type:	Implementer			Zip Code:	27514-0000	
Owner/Operator Ind:	Current Operator			Street No:		
Type:	Other			Street 1:	ONE PERFORMANCE WAY	
Name:	MARY TANNER			Street 2:		
Date Became Current:				City:	CHAPEL HILL	
Date Ended Current:				State:	NC	
Phone:	919-913-3626			Country:		
Source Type:	Implementer			Zip Code:	27517	

60	1 of 1	SSW	0.12 / 616.77	777.13 / -16	APELS AUTO WRECKING 659 SOUTH RAYMOND AVENUE PASADENA CA 911050000	HAZNET
SIC Code:				Mailing City:	PASADENA	
NAICS Code:				Mailing State:	CA	
EPA ID:	CAL000130800			Mailing Zip:	911053249	
Create Date:	5/1/1995			Region Code:	3	
Fac Act Ind:	No			Owner Name:	JOSEPH A HARRY	
Inact Date:	6/30/2001			Owner Addr 1:	3905 STEVELY AVE #7	
County Code:	19			Owner Addr 2:		
County Name:	Los Angeles			Owner City:	LOS ANGELES	
Mail Name:				Owner State:	CA	
Mailing Addr 1:	659 S RAYMOND AVE			Owner Zip:	900080000	
Mailing Addr 2:				Owner Phone:	3232929065	
Owner Fax:						
Contact Information						
--	--					
Contact Name:	JOSEPH HARRY/OPERATOR-OWNER					
Street Address 1:	659 S RAYMOND AVE					
Street Address 2:						
City:	PASADENA					
State:	CA					
Zip:	911053249					
Phone:	6263991315					
--	--					

61	1 of 7	SSW	0.12 / 636.23	777.13 / -16	CROWN CITY RUG & UPHOLSTERY CLEANERS 665 S RAYMOND AVE PASADENA CA 911050000	DRYCLEANERS
EPA ID:	CAX000202978			Owner Phone:	0000000000	
Create Date:	3/5/1985			Owner Fax:		
Facility Act Ind:	No			Contact Name:	MRS MADDUX	
Inact Date:	6/30/1998			Contact Street 1:	INACT PER 98VQ FINAL NOTICE	
Reason:	Cleaners			Contact Street 2:	- BATCH 4/27	
County Name:	Los Angeles			Contact City:	--	
Region Code:	3			Contact State:	99	
Owner Name:	--			Contact Zip:	--	
Owner Street 1:	--			Contact Phone:	8187960279	
Owner Street 2:	--			Mail Name:		
Owner City:	--			DD Latitude:		
Owner State:	99			DD Longitude:		
Owner Zip:	--					

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
61	2 of 7	SSW	0.12 / 636.23	777.13 / -16	HMRI SWEDISH EMBASSY 665 S RAYMOND AVE PASADENA CA 91105	FINDS/FRS
Registry ID: 110055882941 FIPS Code: 19 Program Acronyms: CA-CERS HUC Code: 18070105 Site Type Name: STATIONARY Location Description: Supplemental Location: Create Date: 15-SEP-2013 13:58:28 Update Date: Interest Types: STATE MASTER SIC Codes: SIC Code Descriptions: NAICS Codes: NAICS Code Descriptions: Conveyor: FRS-GEOCODE Federal Facility Code: Federal Agency Name: Tribal Land Code: Tribal Land Name: Congressional Dist No.: 29 Census Block Code: 060374640005008 EPA Region Code: 09 County Name: LOS ANGELES US/Mexico Border Ind: Latitude: 34.13423 Longitude: -118.14923 Reference Point: CENTER OF A FACILITY OR STATION Coord Collection Method: ADDRESS MATCHING-HOUSE NUMBER Accuracy Value: 30 Datum: NAD83 Source: Facility Detail Rprt URL: http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110055882941						
61	3 of 7	SSW	0.12 / 636.23	777.13 / -16	665 S RAYMOND AVE PASADENA CA 911050000	HIST MANIFEST
Gen EPA ID: CAX000202978 Create Date: 03/05/1985 0:00 Inact Date: 6/30/1998 0:00:00 Facility Mail Street: -- Facility Mail City: PASADENA Facility Mail State: CA Facility Mail Zip: 911050000 Contact Phone(s): 8187960279 File Year(s): 1985 Contact Name(s): MRS MADDUX						
<u>Tanner Information</u>						
Method Description: Tons: 1.46 Year: 1985 Generator County Code: 19 Generator County: Los Angeles Method Code: D80 Tsd County Code: 42 Tsd County: Santa Barbara State Waste Code: 352						

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
State Waste Code Desc: Tsd Epa ID:		Other organic solids CAD020748125				
61	4 of 7	SSW	0.12 / 636.23	777.13 / -16	665 S RAYMOND AVE PASADENA CA 91103	LA HMS
Site No: Area:		010303 3J				
--Details--						
File No:		010185				
File Name:		CROWN CITY RUG & UPHOLSTERY CL				
Status Code:		REM				
Status Desc:		Equipment Removed				
Permit No:						
Permit Category:						
Permit Category Desc:						
Permit Status Code:						
Permit Status Desc:						
Permit Type:						
Permit Type Desc:						
61	5 of 7	SSW	0.12 / 636.23	777.13 / -16	VICTOR'S MERCEDES SERVICE 665 S RAYMOND AVE PASADENA CA 911050000	HAZNET
SIC Code:					Mailing City:	PASADENA
NAICS Code:					Mailing State:	CA
EPA ID:		CAL912245612			Mailing Zip:	911053249
Create Date:		8/12/1991			Region Code:	3
Fac Act Ind:		No			Owner Name:	G.S. MADDUX
Inact Date:		6/30/1999			Owner Addr 1:	27 CLIFTON AVE
County Code:		19			Owner Addr 2:	
County Name:		Los Angeles			Owner City:	MARBLEHEAD
Mail Name:					Owner State:	MA
Mailing Addr 1:		665 S RAYMOND AVE			Owner Zip:	019450000
Mailing Addr 2:					Owner Phone:	6176391362
Owner Fax:						
Contact Information						
--		--				
Contact Name:		--				
Street Address 1:		INACT 99VQ FINAL NOTICE - BATCH				
Street Address 2:		4/11/00				
City:		--				
State:		99				
Zip:		--				
Phone:		--				
--		--				
61	6 of 7	SSW	0.12 / 636.23	777.13 / -16	VICTORS MERCEDES 665 S RAYMOND PASADENA CA 911050000	HAZNET
SIC Code:					Mailing City:	PASADENA
NAICS Code:					Mailing State:	CA
EPA ID:		CAL000010071			Mailing Zip:	911053249
Create Date:		11/14/1989			Region Code:	3
Fac Act Ind:		No			Owner Name:	ROMAN VICTOR
Inact Date:		6/30/1999			Owner Addr 1:	665 S RAYMOND AVE
County Code:		19			Owner Addr 2:	
County Name:		Los Angeles			Owner City:	PASADENA
Mail Name:					Owner State:	CA

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Mailing Addr 1: 665 S RAYMOND AVE Owner Zip: 911053249 Mailing Addr 2: Owner Phone: 0000000000 Owner Fax: Contact Information -- Contact Name: JORGE ROMAN Street Address 1: INACT 99VQ FINAL NOTICE - BATCH Street Address 2: 4/11/00 City: PASADENA State: CA Zip: 911053249 Phone: 6267962797 --						
61	7 of 7	SSW	0.12 / 636.23	777.13 / -16	CROWN CITY RUG & UPHOLSTERY CLEANERS 665 S RAYMOND AVE PASADENA CA 911050000	HAZNET
SIC Code: Mailing City: PASADENA NAICS Code: Mailing State: CA EPA ID: CAX000202978 Mailing Zip: 911050000 Create Date: 3/5/1985 Region Code: 3 Fac Act Ind: No Owner Name: -- Inact Date: 6/30/1998 Owner Addr 1: -- County Code: 19 Owner Addr 2: -- County Name: Los Angeles Owner City: -- Mail Name: Owner State: 99 Mailing Addr 1: -- Owner Zip: -- Mailing Addr 2: Owner Phone: 0000000000 Owner Fax: Contact Information -- Contact Name: MRS MADDUX Street Address 1: INACT PER 98VQ FINAL NOTICE Street Address 2: - BATCH 4/27 City: -- State: 99 Zip: -- Phone: 8187960279 --						
62	1 of 1	E	0.12 / 650.27	806.50 / 13	CHEVRON STATION #91410 160 E. CALIFORNIA BLVD. Pasadena CA 91105	DELISTED TNK
Facility ID: 19-080-000043 Latitude: 34.1368491 County: Los Angeles Longitude: -118.1453778 Permitting Agency: PASADENA, CITY OF Original Source: UST Record Date: 30-JAN-2017						
63	1 of 1	SW	0.12 / 650.39	782.63 / -11	GENESIS FO PARTNERS, LLC 590 S FAIR OAKS AVE PASADENA CA 91105	HAZNET
SIC Code: Mailing City: LOS ANGELES NAICS Code: Mailing State: CA EPA ID: CAC002764961 Mailing Zip: 90017 Create Date: 3/20/2014 Region Code: 3 Fac Act Ind: No Owner Name: GENESIS FO PARTNERS, LLC Inact Date: 6/19/2014 Owner Addr 1: 1200 WILSHIRE BLVD STE 300 County Code: 19 Owner Addr 2:						

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
County Name:		Los Angeles		Owner City:		LOS ANGELES
Mail Name:				Owner State:		CA
Mailing Addr 1:		1200 WILSHIRE BLVD STE 300		Owner Zip:		90017
Mailing Addr 2:				Owner Phone:		8182123954
Owner Fax:						
Contact Information						
--		--				
Contact Name:		GENESIS FO PARTNERS, LLC				
Street Address 1:		1200 WILSHIRE BLVD STE 300				
Street Address 2:						
City:		LOS ANGELES				
State:		CA				
Zip:		90017				
Phone:		8182123954				
--		--				
--		--				
Tanner Information						
--		--				
Generator EPA ID:		CAC002764961				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		AZC950823111				
TSD County Code:		99				
TSD County:		Unknown				
State Waste Code:		151				
State Waste Code Desc.:		Asbestos containing waste				
Method Code:		H132				
Method Description:		LANDFILL OR SURFACE IMPOUNDMENT THAT WILL BE CLOSED AS LANDFILL(TO INCLUDE ON-SITE TREATMENT AND/OR STABILIZATION)				
Tons:		4.8				
Year:		2014				
--		--				

64

1 of 19

N

0.12 /
657.08812.91 /
19SWAN CLEANERS
319 S ARROYO PKWY # 7
PASADENA CA 91105

CERS HAZ

Site ID: 72851
Latitude: 34.139970
Longitude: -118.147560

Regulated Programs

EI ID:	10306378	EI Description:	Chemical Storage Facilities
EI ID:	10306378	EI Description:	Hazardous Waste Generator

Violations

Violation Date: 4/28/2016
Violation Division: Pasadena Fire Department
Violation Program: HMRRP
Violation Source: CERS
Citation: HSC 6.95 25508(d) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(d)
Violation Notes:

Returned to compliance on 06/14/2016.; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to complete and/or electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.

Violations

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Violation Date: 4/28/2016
Violation Division: Pasadena Fire Department
Violation Program: HMRRP
Violation Source: CERS
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Notes:

Returned to compliance on 06/14/2016.; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.

Violations

Violation Date: 4/28/2016
Violation Division: Pasadena Fire Department
Violation Program: HMRRP
Violation Source: CERS
Citation: 19 CCR 6.95 25508(a)(1) - California Code of Regulations, Title 19, Chapter 6.95, Section(s) 25508(a)(1)
Violation Notes:

Returned to compliance on 06/14/2016.; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to complete and electronically submit the Business Activities Page and/or Business Owner Operator Identification Page.

Violations

Violation Date: 4/28/2016
Violation Division: Pasadena Fire Department
Violation Program: HMRRP
Violation Source: CERS
Citation: HSC 6.95 25508.1(a)-(e) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(e)
Violation Notes:

Returned to compliance on 06/14/2016.; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to electronically update business plan within 30 days of any one of the following events:
 A 100 percent or more increase in the quantity of a previously disclosed material.
 Any handling of a previously undisclosed hazardous materials at or above reportable quantities.
 A change of business address, business ownership, or business name.

Violations

Violation Date: 4/28/2016
Violation Division: Pasadena Fire Department
Violation Program: HMRRP
Violation Source: CERS
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Notes:

Returned to compliance on 06/14/2016.; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to establish and electronically submit an adequate training program in safety procedures in the event of a release or threatened release of a hazardous material.

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Violations

Violation Date: 4/28/2016
Violation Division: Pasadena Fire Department
Violation Program: HMRRP
Violation Source: CERS
Citation: HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Notes:

Returned to compliance on 06/14/2016.; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.

Violations

Violation Date: 4/28/2016
Violation Division: Pasadena Fire Department
Violation Program: HMRRP
Violation Source: CERS
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Notes:

Returned to compliance on 06/14/2016.; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to establish and electronically submit an adequate emergency response plan and procedures for a release or threatened release of a hazardous material.

Violations

Violation Date: 4/28/2016
Violation Division: Pasadena Fire Department
Violation Program: HMRRP
Violation Source: CERS
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Notes:

Returned to compliance on 06/14/2016.; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to complete and electronically submit a site map with all required content.

Violations

Violation Date: 4/28/2016
Violation Division: Pasadena Fire Department
Violation Program: HMRRP
Violation Source: CERS
Citation: HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Notes:

Returned to compliance on 06/14/2016.; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to annually review and electronically certify that the business plan is complete, accurate, and up-to-date.

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
---------	----------------------	-----------	---------------------	-------------------	------	----

Evaluations

Eval Date: 8/3/2017
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS
Eval Notes:

Jae Jong Cho; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 4/28/2016
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Pasadena Fire Department
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 4/10/2014
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS
Eval Notes:

; Note: data in [EVAL Notes] field for some records is truncated from the source.

Affiliations

Affil Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title:
Address: 319 S ARROYO PKWY #7
City: PASADENA
State: CA
Country:
Zip Code: 91105
Phone:

Affil Type Desc: Operator
Entity Name: JAE JONG CHO
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone: (626) 405-0600

Affil Type Desc: CUPA District
Entity Name: Los Angeles County Fire
Entity Title:
Address: 5825 Rickenbacker Road
City: Commerce
State: CA

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<hr/>						
Country:						
Zip Code:		90040-3027				
Phone:		(323) 890-4045				
Affil Type Desc:		Legal Owner				
Entity Name:		JNJ INC				
Entity Title:						
Address:		319 S ARROYO PKWY #7				
City:		PASADENA				
State:		CA				
Country:		United States				
Zip Code:		91105				
Phone:		(562) 405-6607				
Affil Type Desc:		Environmental Contact				
Entity Name:		Jae Cho				
Entity Title:						
Address:		319 S ARROYO PKWY # 7				
City:		PASADENA				
State:		CA				
Country:						
Zip Code:		91105				
Phone:		(626) 405-0600				
Affil Type Desc:		Parent Corporation				
Entity Name:		SWAN CLEANERS				
Entity Title:						
Address:						
City:						
State:						
Country:						
Zip Code:						
Phone:						

64	2 of 19	N	0.12 / 657.08	812.91 / 19	ESCOLTA LLC DBA SWAN CLEANERS 319 S ARROYO PKWY STE 7 PASADENA CA 911052547	DRYCLEANERS
EPA ID:	CAL000295730			Owner Phone:	6264050600	
Create Date:	6/27/2005 11:08:07 AM			Owner Fax:		
Facility Act Ind:	No			Contact Name:	MIKE MAR	
Inact Date:	6/30/2007 9:15:35 AM			Contact Street 1:	8330 REIFER ST	
Reason:	SIC/NAICS			Contact Street 2:		
County Name:	Los Angeles			Contact City:	ROSEMEAD	
Region Code:	3			Contact State:	CA	
Owner Name:	ESCOLTA LLC			Contact Zip:	917700000	
Owner Street 1:	319 S ARROYO PKWY STE 7			Contact Phone:	6262800852	
Owner Street 2:				Mail Name:		
Owner City:	PASADENA			DD Latitude:	34.140154	
Owner State:	CA			DD Longitude:	-118.147485	
Owner Zip:	911052547					
<hr/>						
--Details--						
NAICS Code:	81232					
Naics Desc:	Drycleaning and Laundry Services (except Coin-Operated)					
SIC Code:	7211					
SIC Desc:	Power Laundries, Family and Commercial					

64	3 of 19	N	0.12 / 657.08	812.91 / 19	JNJ INC SWAN CLEANERS 319 S ARROYO PRKWY STE 7 PASADENA CA 91105	DRYCLEANERS
EPA ID:	CAL000338662			Owner Phone:	5624056607	
Create Date:	12/8/2008 2:52:06 PM			Owner Fax:	2133810124	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Facility Act Ind:	Yes				Contact Name: JAE JONG CHO	
Inact Date:					Contact Street 1: 319 S ARROYO PRKWY STE 7	
Reason:	SIC/NAICS				Contact Street 2:	
County Name:	Los Angeles				Contact City: PASADENA	
Region Code:	3				Contact State: CA	
Owner Name:	JNJ INC				Contact Zip: 91105	
Owner Street 1:	17502 THORNLAKE AVENUE				Contact Phone: 5624056607	
Owner Street 2:					Mail Name:	
Owner City:	ARTESIA				DD Latitude: 34.140154	
Owner State:	CA				DD Longitude: -118.147485	
Owner Zip:	907010000					

--Details--

NAICS Code: 81232
Naics Desc: Drycleaning and Laundry Services (except Coin-Operated)
SIC Code: 7211
SIC Desc: Power Laundries, Family and Commercial

64	4 of 19	N	0.12 / 657.08	812.91 / 19	SWAN CLEANERS 319 S ARROYO PKWY STE 7 PASADENA CA 911052547	DRYCLEANERS
EPA ID:	CAD983589078				Owner Phone: 6264050600	
Create Date:	7/9/1991				Owner Fax:	
Facility Act Ind:	No				Contact Name: DANIEL KAZANCHIAN/OWNER	
Inact Date:	6/30/2004				Contact Street 1: 319 S ARROYO PKWY STE 7	
Reason:	Cleaners				Contact Street 2:	
County Name:	Los Angeles				Contact City: PASADENA	
Region Code:	3				Contact State: CA	
Owner Name:	DANIEL KAZANCHIAN				Contact Zip: 911052547	
Owner Street 1:	319 S ARROYO PKWY STE 7				Contact Phone: 6264050600	
Owner Street 2:					Mail Name:	
Owner City:	PASADENA				DD Latitude:	
Owner State:	CA				DD Longitude:	
Owner Zip:	911052547					

64	5 of 19	N	0.12 / 657.08	812.91 / 19	SWAN CLEANERS 319 S ARROYO PKWY UNIT 7 PASADENA CA 911050000	DRYCLEANERS
EPA ID:	CAL000169427				Owner Phone: 8184050600	
Create Date:	5/21/1997				Owner Fax:	
Facility Act Ind:	No				Contact Name: LINNA KAZANCHIAN/OWNER	
Inact Date:	6/30/1999				Contact Street 1: INACT 99VQ FINAL NOTICE - BATCH	
Reason:	Cleaners				Contact Street 2: 4/11/00	
County Name:	Los Angeles				Contact City: PASADENA	
Region Code:	3				Contact State: CA	
Owner Name:	LINNA KAZANCHIAN				Contact Zip: 911050000	
Owner Street 1:	319 S ARROYO PKWY UNIT 7				Contact Phone: 8184050600	
Owner Street 2:					Mail Name:	
Owner City:	PASADENA				DD Latitude:	
Owner State:	CA				DD Longitude:	
Owner Zip:	911050000					

64	6 of 19	N	0.12 / 657.08	812.91 / 19	SWAN CLEANERS 319 S ARROYO PARKWAY PASADENA CA 911050000	DRYCLEANERS
EPA ID:	CAL000031057				Owner Phone: 0000000000	
Create Date:	5/16/1990				Owner Fax:	
Facility Act Ind:	No				Contact Name: SOLD OUT	
Inact Date:	1/1/1900				Contact Street 1: --	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<div> Reason: Cleaners County Name: Los Angeles Region Code: 3 Owner Name: SWAN INC Owner Street 1: 319 S ARROYO PARKWAY Owner Street 2: Owner City: PASADENA Owner State: CA Owner Zip: 911050000 Contact Street 2: Contact City: -- Contact State: 99 Contact Zip: -- Contact Phone: -- Mail Name: DD Latitude: DD Longitude: </div>						
64	7 of 19	N	0.12 / 657.08	812.91 / 19	SWAN CLEANERS 319 S ARROYO PARKWAY PASADENA CA 911050000	DRYCLEANERS
<div> EPA ID: CAL000043465 Create Date: 2/15/1991 Facility Act Ind: No Inact Date: 1/1/1900 Reason: Cleaners County Name: Los Angeles Region Code: 3 Owner Name: SHAHROKH BASSERIE Owner Street 1: -- Owner Street 2: Owner City: -- Owner State: 99 Owner Zip: -- Owner Phone: 0000000000 Owner Fax: Contact Name: SOLD OUT Contact Street 1: -- Contact Street 2: Contact City: -- Contact State: 99 Contact Zip: -- Contact Phone: -- Mail Name: DD Latitude: DD Longitude: </div>						
64	8 of 19	N	0.12 / 657.08	812.91 / 19	SWAN CLEANERS 319 S ARROYO PARKWAY PASADENA CA 911050000	DRYCLEANERS
<div> EPA ID: CAL000020507 Create Date: 11/14/1989 Facility Act Ind: No Inact Date: 1/1/1900 Reason: Cleaners County Name: Los Angeles Region Code: 2 Owner Name: BASSERI SHAHROKH Owner Street 1: 319 S ARROYO PARKWAY Owner Street 2: Owner City: PASADENA Owner State: CA Owner Zip: 911050000 Owner Phone: 0000000000 Owner Fax: Contact Name: SOLD OUT Contact Street 1: -- Contact Street 2: Contact City: -- Contact State: 99 Contact Zip: -- Contact Phone: -- Mail Name: DD Latitude: DD Longitude: </div>						
64	9 of 19	N	0.12 / 657.08	812.91 / 19	SWAN CLEANERS 319 S ARROYO PKWY UNIT 7 PASADENA CA 91105	FINDS/FRS
<div> Registry ID: 110002849133 FIPS Code: 06037 Program Acronyms: CA-ENVIROVIEW, RCRAINFO HUC Code: 18070105 Site Type Name: STATIONARY Location Description: Supplemental Location: Create Date: 01-MAR-2000 00:00:00 Update Date: 10-OCT-2015 09:46:07 Interest Types: SQG, STATE MASTER SIC Codes: 7216 SIC Code Descriptions: DRYCLEANING PLANTS, EXCEPT RUG CLEANING NAICS Codes: </div>						

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
NAICS Code Descriptions:						
Conveyor:		FRS-GEOCODE				
Federal Facility Code:						
Federal Agency Name:						
Tribal Land Code:						
Tribal Land Name:						
Congressional Dist No.:	29					
Census Block Code:	060374636024001					
EPA Region Code:	09					
County Name:	LOS ANGELES					
US/Mexico Border Ind:						
Latitude:	34.14036					
Longitude:	-118.14752					
Reference Point:	CENTER OF A FACILITY OR STATION					
Coord Collection Method:	ADDRESS MATCHING-HOUSE NUMBER					
Accuracy Value:	30					
Datum:	NAD83					
Source:						
Facility Detail Rprt URL:	http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110002849133					

64	10 of 19	N	0.12 / 657.08	812.91 / 19	SWAN CLEANERS 319 S ARROYO PARKWAY PASADENA CA 911050000	HAZNET
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SIC Code:		Mailing City:	PASADENA
NAICS Code:		Mailing State:	CA
EPA ID:	CAL000020507	Mailing Zip:	911052547
Create Date:	11/14/1989	Region Code:	2
Fac Act Ind:	No	Owner Name:	BASSERI SHAHROKH
Inact Date:	12/31/1899	Owner Addr 1:	319 S ARROYO PARKWAY
County Code:	19	Owner Addr 2:	
County Name:	Los Angeles	Owner City:	PASADENA
Mail Name:		Owner State:	CA
Mailing Addr 1:	319 S ARROYO PKWY	Owner Zip:	911050000
Mailing Addr 2:		Owner Phone:	0000000000
Owner Fax:			

Contact Information

--	--
Contact Name:	SOLD OUT
Street Address 1:	--
Street Address 2:	--
City:	--
State:	99
Zip:	--
Phone:	--
--	--

64	11 of 19	N	0.12 / 657.08	812.91 / 19	FUTURE IMAGE 319 SO ARROYO PARKWAY #6 PASADENA CA 911050000	HAZNET
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SIC Code:		Mailing City:	PASADENA
NAICS Code:		Mailing State:	CA
EPA ID:	CAL000147211	Mailing Zip:	911050000
Create Date:	5/7/1998	Region Code:	3
Fac Act Ind:	No	Owner Name:	TOM MA
Inact Date:	6/30/1998	Owner Addr 1:	319 SO ARROYO PARKWAY #6
County Code:	19	Owner Addr 2:	
County Name:	Los Angeles	Owner City:	PASADENA
Mail Name:		Owner State:	CA
Mailing Addr 1:	319 SO ARROYO PARKWAY #6	Owner Zip:	911050000
Mailing Addr 2:		Owner Phone:	0000000000
Owner Fax:			

Contact Information

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<hr/>						
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Contact Name:		TOM MA/OWNER				
Street Address 1:		INACT PER 98VQ FINAL NOTICE				
Street Address 2:		- BATCH 4/27				
City:		PASADENA				
State:		CA				
Zip:		911050000				
Phone:		6265683107				
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64	12 of 19	N	0.12 / 657.08	812.91 / 19	SWAN CLEANERS 319 S ARROYO PKWY UNIT 7 PASADENA CA 911050000	HAZNET
SIC Code:				Mailing City:	PASADENA	
NAICS Code:				Mailing State:	CA	
EPA ID:		CAL000169427		Mailing Zip:	911052547	
Create Date:		5/21/1997		Region Code:	3	
Fac Act Ind:		No		Owner Name:	LINNA KAZANCHIAN	
Inact Date:		6/30/1999		Owner Addr 1:	319 S ARROYO PKWY UNIT 7	
County Code:		19		Owner Addr 2:		
County Name:		Los Angeles		Owner City:	PASADENA	
Mail Name:				Owner State:	CA	
Mailing Addr 1:		319 S ARROYO PKWY STE 7		Owner Zip:	911050000	
Mailing Addr 2:				Owner Phone:	8184050600	
Owner Fax:						
Contact Information						
--		--				
Contact Name:		LINNA KAZANCHIAN/OWNER				
Street Address 1:		INACT 99VQ FINAL NOTICE - BATCH				
Street Address 2:		4/11/00				
City:		PASADENA				
State:		CA				
Zip:		911050000				
Phone:		8184050600				
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64	13 of 19	N	0.12 / 657.08	812.91 / 19	SWAN CLEANERS 319 S ARROYO PKWY STE 7 PASADENA CA 911052547	HAZNET
SIC Code:				Mailing City:	PASADENA	
NAICS Code:				Mailing State:	CA	
EPA ID:		CAD983589078		Mailing Zip:	911052547	
Create Date:		7/9/1991		Region Code:	3	
Fac Act Ind:		No		Owner Name:	DANIEL KAZANCHIAN	
Inact Date:		6/30/2004		Owner Addr 1:	319 S ARROYO PKWY STE 7	
County Code:		19		Owner Addr 2:		
County Name:		Los Angeles		Owner City:	PASADENA	
Mail Name:				Owner State:	CA	
Mailing Addr 1:		319 S ARROYO PKWY STE 7		Owner Zip:	911052547	
Mailing Addr 2:				Owner Phone:	6264050600	
Owner Fax:						
Contact Information						
--		--				
Contact Name:		DANIEL KAZANCHIAN/OWNER				
Street Address 1:		319 S ARROYO PKWY STE 7				
Street Address 2:						
City:		PASADENA				
State:		CA				
Zip:		911052547				
Phone:		6264050600				
--		--				
--		--				
Tanner Information						

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
--		--				
Generator EPA ID:		CAD983589078				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAD981397417				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		211				
State Waste Code Desc.:		Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)				
Method Code:		R01				
Method Description:		Recycler				
Tons:		1.2828				
Year:		1995				
--		--				
Generator EPA ID:		CAD983589078				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAD009452657				
TSD County Code:		41				
TSD County:		San Mateo				
State Waste Code:		741				
State Waste Code Desc.:		Liquids with halogenated organic compounds >= 1,000 Mg./L				
Method Code:		R01				
Method Description:		Recycler				
Tons:		0.1251				
Year:		1996				
--		--				
Generator EPA ID:		CAD983589078				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAD981397417				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		211				
State Waste Code Desc.:		Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)				
Method Code:		R01				
Method Description:		Recycler				
Tons:		1.1054				
Year:		1996				
--		--				
Generator EPA ID:		CAD983589078				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAD981397417				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		211				
State Waste Code Desc.:		Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)				
Method Code:		R01				
Method Description:		Recycler				
Tons:		1.7667				
Year:		1997				
--		--				
Generator EPA ID:		CAD983589078				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAD981397417				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		211				
State Waste Code Desc.:		Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)				
Method Code:		R01				
Method Description:		Recycler				
Tons:		0.8238				
Year:		1998				
--		--				
Generator EPA ID:		CAD983589078				
Generator County Code:		19				
Generator County:		Los Angeles				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
TSD EPA ID:		CAD008302903				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		343				
State Waste Code Desc.:		Unspecified organic liquid mixture				
Method Code:						
Method Description:						
Tons:		0				
Year:		2001				
--		--				
Generator EPA ID:		CAD983589078				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAD008302903				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		211				
State Waste Code Desc.:		Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)				
Method Code:		R01				
Method Description:		Recycler				
Tons:		0.2668				
Year:		2001				
--		--				
Generator EPA ID:		CAD983589078				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAD008302903				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		211				
State Waste Code Desc.:		Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)				
Method Code:		H01				
Method Description:		Transfer station				
Tons:		0.28				
Year:		2001				
--		--				
Generator EPA ID:		CAD983589078				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAD008302903				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		211				
State Waste Code Desc.:		Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)				
Method Code:						
Method Description:						
Tons:		0				
Year:		2001				
--		--				
Generator EPA ID:		CAD983589078				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAD008302903				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		211				
State Waste Code Desc.:		Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)				
Method Code:		R01				
Method Description:		Recycler				
Tons:		0.1251				
Year:		2002				
--		--				
Generator EPA ID:		CAD983589078				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAD008302903				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		343				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
State Waste Code Desc.:		Unspecified organic liquid mixture				
Method Code:						
Method Description:						
Tons:						
Year:		2002				
--		--				
Generator EPA ID:		CAD983589078				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAD008302903				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		211				
State Waste Code Desc.:		Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)				
Method Code:		H01				
Method Description:		Transfer station				
Tons:		0.06				
Year:		2002				
--		--				
Generator EPA ID:		CAD983589078				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAD008302903				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		211				
State Waste Code Desc.:		Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)				
Method Code:		R01				
Method Description:		Recycler				
Tons:		0.1251				
Year:		2003				
--		--				
Generator EPA ID:		CAD983589078				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAD008302903				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		211				
State Waste Code Desc.:		Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)				
Method Code:		H01				
Method Description:		Transfer station				
Tons:		0.18				
Year:		2003				
--		--				
Generator EPA ID:		CAD983589078				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAD008302903				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		211				
State Waste Code Desc.:		Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)				
Method Code:		R01				
Method Description:		Recycler				
Tons:		0.1251				
Year:		2004				
--		--				
Generator EPA ID:		CAD983589078				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAD008302903				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		211				
State Waste Code Desc.:		Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)				
Method Code:						
Method Description:						
Tons:						

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Year:		2004				
--		--				
Generator EPA ID:		CAD983589078				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAT000613893				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		741				
State Waste Code Desc.:		Liquids with halogenated organic compounds >= 1,000 Mg./L				
Method Code:		H01				
Method Description:		Transfer station				
Tons:		0.2125				
Year:		2004				
--		--				
Generator EPA ID:		CAD983589078				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAT000613893				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		741				
State Waste Code Desc.:		Liquids with halogenated organic compounds >= 1,000 Mg./L				
Method Code:		H01				
Method Description:		Transfer station				
Tons:		0.15				
Year:		2005				
--		--				
Generator EPA ID:		CAD983589078				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAT000613893				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		741				
State Waste Code Desc.:		Liquids with halogenated organic compounds >= 1,000 Mg./L				
Method Code:		H141				
Method Description:		STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)				
Tons:		0.65				
Year:		2007				
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64

14 of 19

N

0.12 /
657.08812.91 /
19JNJ INC SWAN CLEANERS
319 S ARROYO PRKWY STE 7
PASADENA CA 91105

HAZNET

SIC Code: 7389
NAICS Code: 81232
EPA ID: CAL000338662
Create Date: 12/8/2008 2:52:06 PM
Fac Act Ind: Yes
Inact Date:
County Code: 19
County Name: Los Angeles
Mail Name:
Mailing Addr 1: 319 S ARROYO PRKWY STE 7
Mailing Addr 2:
Owner Fax: 0000000000

Mailing City: PASADENA
Mailing State: CA
Mailing Zip: 911050000
Region Code: 3
Owner Name: JNJ INC
Owner Addr 1: 11634 183RD ST APT Q
Owner Addr 2:
Owner City: ARTESIA
Owner State: CA
Owner Zip: 907010000
Owner Phone: 5624056607

Contact Information

Contact Name: JAE JONG CHO
Street Address 1: 319 S ARROYO PRKWY STE 7
Street Address 2:
City: PASADENA
State: CA
Zip: 91105

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Phone:		6264050600				
--		--				
--		--				
Tanner Information						
--		--				
Generator EPA ID:		CAL000338662				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAT000613893				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		741				
State Waste Code Desc.:		Liquids with halogenated organic compounds >= 1,000 Mg./L				
Method Code:		H141				
Method Description:		STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)				
Tons:		0.15				
Year:		2009				
--		--				
Generator EPA ID:		CAL000338662				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAT000613893				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		741				
State Waste Code Desc.:		Liquids with halogenated organic compounds >= 1,000 Mg./L				
Method Code:		H141				
Method Description:		STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)				
Tons:		0.15				
Year:		2010				
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64	15 of 19	N	0.12 / 657.08	812.91 / 19	SWAN CLEANERS 319 S ARROYO PARKWAY PASADENA CA 911050000	HAZNET
SIC Code:				Mailing City:	PASADENA	
NAICS Code:				Mailing State:	CA	
EPA ID:	CAL000031057			Mailing Zip:	911052547	
Create Date:	5/16/1990			Region Code:	3	
Fac Act Ind:	No			Owner Name:	SWAN INC	
Inact Date:	12/31/1899			Owner Addr 1:	319 S ARROYO PARKWAY	
County Code:	19			Owner Addr 2:		
County Name:	Los Angeles			Owner City:	PASADENA	
Mail Name:				Owner State:	CA	
Mailing Addr 1:	319 S ARROYO PKWY			Owner Zip:	911050000	
Mailing Addr 2:				Owner Phone:	0000000000	
Owner Fax:						
Contact Information						
--		--				
Contact Name:		SOLD OUT				
Street Address 1:		--				
Street Address 2:		--				
City:		--				
State:		99				
Zip:		--				
Phone:		--				
--		--				

64	16 of 19	N	0.12 / 657.08	812.91 / 19	SWAN CLEANERS 319 S ARROYO PARKWAY PASADENA CA 911050000	HAZNET
SIC Code:				Mailing City:	PASADENA	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<hr/>						
NAICS Code:					Mailing State:	CA
EPA ID:	CAL000043465				Mailing Zip:	911052547
Create Date:	2/15/1991				Region Code:	3
Fac Act Ind:	No				Owner Name:	SHAHROKH BASSERIE
Inact Date:	12/31/1899				Owner Addr 1:	--
County Code:	19				Owner Addr 2:	--
County Name:	Los Angeles				Owner City:	--
Mail Name:					Owner State:	99
Mailing Addr 1:	319 S ARROYO PKWY				Owner Zip:	--
Mailing Addr 2:					Owner Phone:	0000000000
Owner Fax:						
<hr/>						
Contact Information						
--		--				
Contact Name:		SOLD OUT				
Street Address 1:		--				
Street Address 2:						
City:		--				
State:		99				
Zip:		--				
Phone:		--				
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<hr/>						
64	17 of 19	N	0.12 / 657.08	812.91 / 19	ESCOLTA LLC DBA SWAN CLEANERS 319 S ARROYO PKWY STE 7 PASADENA CA 911052547	HAZNET
<hr/>						
SIC Code:	7389				Mailing City:	PASADENA
NAICS Code:	81232				Mailing State:	CA
EPA ID:	CAL000295730				Mailing Zip:	911052547
Create Date:	6/27/2005 11:08:07 AM				Region Code:	3
Fac Act Ind:	No				Owner Name:	ESCOLTA LLC
Inact Date:	6/30/2007				Owner Addr 1:	319 S ARROYO PKWY STE 7
County Code:	19				Owner Addr 2:	
County Name:	Los Angeles				Owner City:	PASADENA
Mail Name:					Owner State:	CA
Mailing Addr 1:	319 S ARROYO PKWY STE 7				Owner Zip:	911052547
Mailing Addr 2:					Owner Phone:	6264050600
Owner Fax:						
<hr/>						
Contact Information						
--		--				
Contact Name:		MIKE MAR				
Street Address 1:		8330 REIFER ST				
Street Address 2:						
City:		ROSEMEAD				
State:		CA				
Zip:		917700000				
Phone:		6262800852				
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<hr/>						
64	18 of 19	N	0.12 / 657.08	812.91 / 19	JNJ INC SWAN CLEANERS 319 S ARROYO PRKWY STE 7 PASADENA CA 91105	RCRA NON GEN
<hr/>						
EPA Handler ID:	CAL000338662					
Gen Status Universe:	No Report					
Contact Name:	JAE JONG CHO					
Contact Address:	319 S ARROYO PRKWY STE 7 , , PASADENA , CA, 91105 ,					
Contact Phone No and Ext:	562-405-6607					
Contact Email:	CHOJAEJONG@YAHOO.COM					
Contact Country:						
County Name:	LOS ANGELES					
EPA Region:	09					
Land Type:						
Receive Date:	20081208					

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Violation/Evaluation Summary

Note: NO RECORDS: As of Dec 2018, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: Yes
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20081208
Handler Name: JNJ INC SWAN CLEANERS
Generator Status Universe: No Report
Source Type: Implementer

Owner/Operator Details

Owner/Operator Ind:	Current Operator	Street No:	
Type:	Other	Street 1:	319 S ARROYO PRKWY STE 7
Name:	JAE JONG CHO	Street 2:	
Date Became Current:		City:	PASADENA
Date Ended Current:		State:	CA
Phone:	562-405-6607	Country:	
Source Type:	Implementer	Zip Code:	91105

Owner/Operator Ind:	Current Owner	Street No:	
Type:	Other	Street 1:	17502 THORNLAKE AVENUE
Name:	JNJ INC	Street 2:	
Date Became Current:		City:	ARTESIA
Date Ended Current:		State:	CA
Phone:	562-405-6607	Country:	
Source Type:	Implementer	Zip Code:	90701-0000

64	19 of 19	N	0.12 / 657.08	812.91 / 19	SWAN CLEANERS 319 S ARROYO PKWY UNIT 7 PASADENA CA 91105	RCRA SQG
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EPA Handler ID: CAD983589078
Gen Status Universe: Small Quantity Generator
Contact Name: DANIEL KAZANCHIAN
Contact Address: 319 S ARROYO PKWY UNIT 7 , , PASADENA , CA, 91105 , US
Contact Phone No and Ext: 818-405-0600
Contact Email:
Contact Country: US
County Name: LOS ANGELES
EPA Region: 09

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Land Type:	Private
Receive Date:	19970404

Violation/Evaluation Summary

Note:	NO RECORDS: As of Dec 2018, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).
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Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	19970404
Handler Name:	SWAN CLEANERS
Generator Status Universe:	Small Quantity Generator
Source Type:	Notification

Owner/Operator Details

Owner/Operator Ind:	Current Operator	Street No:	
Type:	Private	Street 1:	NOT REQUIRED
Name:	NOT REQUIRED	Street 2:	
Date Became Current:		City:	NOT REQUIRED
Date Ended Current:		State:	ME
Phone:	415-555-1212	Country:	
Source Type:	Notification	Zip Code:	99999

65	1 of 1	SSW	0.13 / 667.14	776.80 / -17	RADCLIFFE ENGINEERING CORP 681 S RAYMOND AVE PASADENA CA 91105	RCRA SQG
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EPA Handler ID:	CAD981674369
Gen Status Universe:	Small Quantity Generator
Contact Name:	
Contact Address:	US
Contact Phone No and Ext:	
Contact Email:	
Contact Country:	US
County Name:	LOS ANGELES
EPA Region:	09
Land Type:	
Receive Date:	19960901

Violation/Evaluation Summary

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Note: NO RECORDS: As of Dec 2018, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 19960901
Handler Name: RADCLIFFE ENGINEERING CORP
Generator Status Universe: Small Quantity Generator
Source Type: Implementer

Owner/Operator Details

Owner/Operator Ind:	Current Operator	Street No:	
Type:	Private	Street 1:	NOT REQUIRED
Name:	NOT REQUIRED	Street 2:	
Date Became Current:		City:	NOT REQUIRED
Date Ended Current:		State:	ME
Phone:	415-555-1212	Country:	
Source Type:	Implementer	Zip Code:	99999
Owner/Operator Ind:	Current Owner	Street No:	
Type:	Private	Street 1:	NOT REQUIRED
Name:	CUTSINGER CAROL	Street 2:	
Date Became Current:		City:	NOT REQUIRED
Date Ended Current:		State:	ME
Phone:	415-555-1212	Country:	
Source Type:	Implementer	Zip Code:	99999

66	1 of 1	W	0.13 / 683.03	796.71 / 3	NISHIKAWA AUTO SERVICE 510 S FAIR OAKS AVE PASADENA CA 91105-0000	RCRA NON GEN
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EPA Handler ID: CAL000028186
Gen Status Universe: No Report
Contact Name: JOE LIRA
Contact Address: INACT 00VQ FINAL NOTICE - BATCH , 4/10/01 , PASADENA , CA, 91105-2606 ,
Contact Phone No and Ext: 626-792-4372
Contact Email:
Contact Country:
County Name: LOS ANGELES
EPA Region: 09
Land Type:
Receive Date: 19900510

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Violation/Evaluation Summary

Note: NO RECORDS: As of Dec 2018, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: Yes
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 19900510
Handler Name: NISHIKAWA AUTO SERVICE
Generator Status Universe: No Report
Source Type: Implementer

Owner/Operator Details

Owner/Operator Ind:	Current Owner	Street No:	
Type:	Other	Street 1:	510 S FAIR OAKS AVE
Name:	NISHIKAWA AUTO SERVICE INC.	Street 2:	
Date Became Current:		City:	PASADENA
Date Ended Current:		State:	CA
Phone:	000-000-0000	Country:	
Source Type:	Implementer	Zip Code:	91105-2606

Owner/Operator Ind:	Current Operator	Street No:	
Type:	Other	Street 1:	INACT 00VQ FINAL NOTICE - BATCH
Name:	JOE LIRA	Street 2:	4/10/01
Date Became Current:		City:	PASADENA
Date Ended Current:		State:	CA
Phone:	626-792-4372	Country:	
Source Type:	Implementer	Zip Code:	91105-2606

67	1 of 1	W	0.13 / 685.12	794.36 / 1	A N TOOL & DIE 518 SO FAIR OAKS PASADENA CA 91105	RCRA SQG
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EPA Handler ID: CAD008242810
Gen Status Universe: Small Quantity Generator
Contact Name:
Contact Address: US
Contact Phone No and Ext:
Contact Email:
Contact Country: US
County Name: LOS ANGELES
EPA Region: 09
Land Type:
Receive Date: 19960901

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Violation/Evaluation Summary

Note: NO RECORDS: As of Dec 2018, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 19960901
Handler Name: A N TOOL & DIE
Generator Status Universe: Small Quantity Generator
Source Type: Implementer

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 19850916
Handler Name: A N TOOL & DIE
Generator Status Universe: Small Quantity Generator
Source Type: Notification

Owner/Operator Details

Owner/Operator Ind:	Current Owner	Street No:	
Type:	Private	Street 1:	NOT REQUIRED
Name:	NOT REQUIRED	Street 2:	
Date Became Current:		City:	NOT REQUIRED
Date Ended Current:		State:	ME
Phone:	415-555-1212	Country:	
Source Type:	Notification	Zip Code:	99999
Owner/Operator Ind:	Current Operator	Street No:	
Type:	Private	Street 1:	NOT REQUIRED
Name:	NOT REQUIRED	Street 2:	
Date Became Current:		City:	NOT REQUIRED
Date Ended Current:		State:	ME
Phone:	415-555-1212	Country:	
Source Type:	Implementer	Zip Code:	99999

68	1 of 2	WSW	0.13 / 690.58	783.42 / -10	PUBLIC STORAGE 588 SO. FAIR OAKS AVE PASADENA CA 91105	HHSS
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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
County:		Los Angeles				
Pdf File Url:		http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00027e0c.pdf				

68	2 of 2	WSW	0.13 / 690.58	783.42 / -10	PUBLIC STORAGE 588 SO. FAIR OAKS AVE PASADENA CA	HIST TANK
Owner Name:		PUBLIC STORAGE INC		No of Containers:		1
Owner Street:		990 SO. FAIR OAKS AVE.		County:		(NOT LEGIBLE)
Owner City:		PASADENA		Facility State:		CA
Owner State:		CA		Facility Zip:		91105
Owner Zip:		91105				

69	1 of 1	WSW	0.13 / 697.98	789.19 / -4	CLASSIC TOUCH BODY & PAINT (IHDZ-M) 559 S FAIR OAKS LONG BEACH CA 90805	EMISSIONS
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2015 Toxic Data

Facility ID:	178750	COID:	LA
Facility SIC Code:	7532	DISN:	SOUTH COAST AQMD
CO:	19	CHAPIS:	
Air Basin:	SC	CERR Code:	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

70	1 of 4	NW	0.13 / 701.50	806.18 / 13	STANYER AND EDMONDSON OF PASADEN 400 S. FAIR OAKS AVE. PASADENA CA 91105	HHSS
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County:		Los Angeles				
Pdf File Url:		http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002882a.pdf				

70	2 of 4	NW	0.13 / 701.50	806.18 / 13	400 S FAIR OAKS AVE PASADENA CA 91105	LA HMS
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Site No:	009475
Area:	3J

--Details--

File No:	009288
File Name:	STANYER & EDMONDSON OF PASADEN
Status Code:	REM
Status Desc:	Equipment Removed
Permit No:	00000333T
Permit Category:	T
Permit Category Desc:	Underground Storage Tank
Permit Status Code:	REM
Permit Status Desc:	Equipment Removed
Permit Type:	0
Permit Type Desc:	Underground Storage Tank Operating Permit

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
70	3 of 4	NW	0.13 / 701.50	806.18 / 13	STANYER & EDMONDSON OF PASADEN 400 S. FAIR OAKS AVE. PASADENA CA	HIST TANK

Owner Name:	STANYER & EDMONDSON OF PASADEN	No of Containers:	1
Owner Street:	400 S. FAIR OAKS AVE.	County:	LOS ANGELES
Owner City:	PASADENA	Facility State:	CA
Owner State:	CA	Facility Zip:	91105
Owner Zip:	91105		

70	4 of 4	NW	0.13 / 701.50	806.18 / 13	STANYER & EDMONDSON 400 S FAIR OAKS AVE PASADENA CA 91105	RCRA SQG
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EPA Handler ID:	CAD982475642
Gen Status Universe:	Small Quantity Generator
Contact Name:	
Contact Address:	US
Contact Phone No and Ext:	
Contact Email:	
Contact Country:	US
County Name:	LOS ANGELES
EPA Region:	09
Land Type:	
Receive Date:	19960901

Violation/Evaluation Summary

Note: NO RECORDS: As of Dec 2018, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	19960901
Handler Name:	STANYER & EDMONDSON
Generator Status Universe:	Small Quantity Generator
Source Type:	Implementer

Owner/Operator Details

Owner/Operator Ind:	Current Owner	Street No:	
Type:	Private	Street 1:	NOT REQUIRED

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<hr/>						
Name:	STANYER & EDMONDSON			Street 2:		
Date Became Current:				City:	NOT REQUIRED	
Date Ended Current:				State:	ME	
Phone:	415-555-1212			Country:		
Source Type:	Implementer			Zip Code:	99999	
Owner/Operator Ind:	Current Operator			Street No:		
Type:	Private			Street 1:	NOT REQUIRED	
Name:	NOT REQUIRED			Street 2:		
Date Became Current:				City:	NOT REQUIRED	
Date Ended Current:				State:	ME	
Phone:	415-555-1212			Country:		
Source Type:	Implementer			Zip Code:	99999	

71	1 of 1	WNW	0.13 / 701.52	803.48 / 10	ARRIBA 425 S. FAIR OAKS PASADENA CA 91105	EMISSIONS
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1990 Criteria Data

Facility ID:	66529	CERR Code:	
Facility SIC Code:	5812	TOGT:	
CO:	19	ROGT:	
Air Basin:	SC	COT:	
District:	SC	NOXT:	
COID:	LA	SOXT:	
DISN:	SOUTH COAST AQMD	PMT:	0
CHAPIS:		PM10T:	0

1990 Toxic Data

Facility ID:	66529	COID:	LA
Facility SIC Code:	5812	DISN:	SOUTH COAST AQMD
CO:	19	CHAPIS:	
Air Basin:	SC	CERR Code:	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

72	1 of 1	SW	0.13 / 703.87	778.87 / -15	HUNTINGTON MAGNETIC RESONANCE 10 PICO PASADENA CA 91105	RCRA SQG
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EPA Handler ID:	CAD983642471
Gen Status Universe:	Small Quantity Generator
Contact Name:	MICHAEL TODD
Contact Address:	10 PICO , , PASADENA , CA, 91105 , US
Contact Phone No and Ext:	818-397-3790
Contact Email:	
Contact Country:	US
County Name:	LOS ANGELES
EPA Region:	09
Land Type:	County
Receive Date:	19920713

Violation/Evaluation Summary

Note: NO RECORDS: As of Dec 2018, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Handler Summary

Importer Activity: No
 Mixed Waste Generator: No
 Transporter Activity: No
 Transfer Facility: No
 Onsite Burner Exemption: No
 Furnace Exemption: No
 Underground Injection Activity: No
 Commercial TSD: No
 Used Oil Transporter: No
 Used Oil Transfer Facility: No
 Used Oil Processor: No
 Used Oil Refiner: No
 Used Oil Burner: No
 Used Oil Market Burner: No
 Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
 Receive Date: 19920713
 Handler Name: HUNTINGTON MAGNETIC RESONANCE
 Generator Status Universe: Small Quantity Generator
 Source Type: Notification

Owner/Operator Details

Owner/Operator Ind:	Current Owner	Street No:	
Type:	Private	Street 1:	100 W CALIFORNIA BLVD
Name:	HUNTINGTON MEMORIAL HOSPITAL	Street 2:	
Date Became Current:		City:	PASADENA
Date Ended Current:		State:	CA
Phone:	818-397-5139	Country:	
Source Type:	Notification	Zip Code:	91105-7013

73	1 of 1	W	0.13 / 704.32	795.35 / 2	511 S FAIR OAKS AVE PASADENA CA 91115	LA HMS
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Site No: 013245
 Area: 3J

--Details--

File No: 013560
 File Name: TILT UP
 Status Code: REM
 Status Desc: Equipment Removed
 Permit No:
 Permit Category:
 Permit Category Desc:
 Permit Status Code:
 Permit Status Desc:
 Permit Type:
 Permit Type Desc:

74	1 of 1	WSW	0.13 / 706.99	787.17 / -6	SERVICE KING PAINT & BODY, LLC 559 S FAIR OAKS PASADENA CA 91103	EMISSIONS
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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<u>2016 Toxic Data</u>						
Facility ID:	178750			TS:		
Facility SIC Code:	7538			HRA:		
CERR CODE:				CH Index:		
COLD:	LA			AH Index:		
CO:	19			Air Basin:	SC	
DISN:	SOUTH COAST AQMD			District:	SC	
CHAPIS:						

75	1 of 3	NW	0.14 / 717.06	806.52 / 13	CAL-SWISS MFG. CO., INC. 390 S FAIR OAKS AVE PASADENA CA 91105	EMISSIONS
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1996 Toxic Data

Facility ID:	71776	COLD:	LA
Facility SIC Code:	9999	DISN:	SOUTH COAST AQMD
CO:	19	CHAPIS:	
Air Basin:	SC	CERR Code:	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

1997 Toxic Data

Facility ID:	71776	COLD:	LA
Facility SIC Code:	9999	DISN:	SOUTH COAST AQMD
CO:	19	CHAPIS:	
Air Basin:	SC	CERR Code:	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

1998 Toxic Data

Facility ID:	71776	COLD:	LA
Facility SIC Code:	9999	DISN:	SOUTH COAST AQMD
CO:	19	CHAPIS:	
Air Basin:	SC	CERR Code:	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

1999 Toxic Data

Facility ID:	71776	COLD:	LA
Facility SIC Code:	9999	DISN:	SOUTH COAST AQMD
CO:	19	CHAPIS:	
Air Basin:	SC	CERR Code:	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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2000 Toxic Data

Facility ID:	71776	COID:	LA
Facility SIC Code:	9999	DISN:	SOUTH COAST AQMD
CO:	19	CHAPIS:	
Air Basin:	SC	CERR Code:	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2001 Toxic Data

Facility ID:	71776	COID:	LA
Facility SIC Code:	9999	DISN:	SOUTH COAST AQMD
CO:	19	CHAPIS:	
Air Basin:	SC	CERR Code:	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

75	2 of 3	NW	0.14 / 717.06	806.52 / 13	CAL-SWISS MFG. CO., INC. 390 S FAIR OAKS AVE. PASADENA CA 91105	EMISSIONS
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1990 Criteria Data

Facility ID:	71776	CERR Code:	
Facility SIC Code:	3599	TOGT:	1.4
CO:	19	ROGT:	0
Air Basin:	SC	COT:	
District:	SC	NOXT:	
COID:	LA	SOXT:	
DISN:	SOUTH COAST AQMD	PMT:	
CHAPIS:		PM10T:	

1990 Toxic Data

Facility ID:	71776	COID:	LA
Facility SIC Code:	3599	DISN:	SOUTH COAST AQMD
CO:	19	CHAPIS:	
Air Basin:	SC	CERR Code:	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

75	3 of 3	NW	0.14 / 717.06	806.52 / 13	CAL SWISS A DIVISION GORKO IND 390 S FAIR OAKS AVE PASADENA CA 91105-0430	RCRA SQG
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EPA Handler ID:	CAD980883805
Gen Status Universe:	Small Quantity Generator
Contact Name:	
Contact Address:	US
Contact Phone No and Ext:	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Contact Email:
Contact Country: US
County Name: LOS ANGELES
EPA Region: 09
Land Type: Private
Receive Date: 19960901

Violation/Evaluation Summary

Note: NO RECORDS: As of Dec 2018, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 19960901
Handler Name: CAL SWISS A DIVISION GORKO IND
Generator Status Universe: Small Quantity Generator
Source Type: Implementer

Hazardous Waste Handler Details

Sequence No: 3
Receive Date: 19840712
Handler Name: CAL SWISS A DIVISION GORKO IND
Generator Status Universe: Small Quantity Generator
Source Type: Notification

Waste Code Details

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D006
Waste Code Description: CADMIUM

Hazardous Waste Code: D018
Waste Code Description: BENZENE

Hazardous Waste Code: D008
Waste Code Description: LEAD

Hazardous Waste Handler Details

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Sequence No: 2 Receive Date: 19840712 Handler Name: CAL SWISS A DIVISION GORKO IND Generator Status Universe: Small Quantity Generator Source Type: Notification						
<u>Hazardous Waste Handler Details</u>						
Sequence No: 1 Receive Date: 19840712 Handler Name: CAL SWISS A DIVISION GORKO IND Generator Status Universe: Small Quantity Generator Source Type: Notification						
<u>Owner/Operator Details</u>						
Owner/Operator Ind:	Current Owner				Street No:	
Type:	Private				Street 1:	16772 SCHOENBORN ST
Name:	JERZY AND LIDIA GORKO				Street 2:	
Date Became Current:					City:	NORTH HILLS
Date Ended Current:					State:	CA
Phone:	818-894-8801				Country:	
Source Type:	Notification				Zip Code:	91343
Owner/Operator Ind:	Current Operator				Street No:	
Type:	Private				Street 1:	NOT REQUIRED
Name:	NOT REQUIRED				Street 2:	
Date Became Current:					City:	NOT REQUIRED
Date Ended Current:					State:	ME
Phone:	415-555-1212				Country:	
Source Type:	Implementer				Zip Code:	99999
76	1 of 3	SW	0.14 / 721.50	782.24 / -11	JASS SHELL SERVICE 587 S. FAIROAK ST. PASADENA CA 91105	HHSS
County: Los Angeles Pdf File Url: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002894d.pdf						
76	2 of 3	SW	0.14 / 721.50	782.24 / -11	587 S FAIR OAKS AVE PASADENA CA 91105	LA HMS
Site No: 010855 Area: 3J						
<u>--Details--</u>						
File No: 010821 File Name: SHELL OIL #204- Status Code: REM Status Desc: Equipment Removed Permit No: 00002258T Permit Category: T Permit Category Desc: Underground Storage Tank Permit Status Code: REM Permit Status Desc: Equipment Removed Permit Type: 0 Permit Type Desc: Underground Storage Tank Operating Permit						
76	3 of 3	SW	0.14 / 721.50	782.24 / -11	JASS SHELL SERVICE 587 S. FAIROAK ST.	HIST TANK

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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PASADENA CA

Owner Name:	SURAPOL JASS KUNKAEW	No of Containers:	5
Owner Street:	587 S. FAIROAK ST.	County:	LOS ANGELES
Owner City:	PASADENA	Facility State:	CA
Owner State:	CA	Facility Zip:	91105
Owner Zip:	91105		

77	1 of 1	NW	0.14 / 723.77	806.17 / 13	HEALTHCARE PARTNERS LTD 401 S FAIR OAKS PASADENA CA 91105-0000	RCRA NON GEN
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EPA Handler ID: CAL000176131
Gen Status Universe: No Report
Contact Name: VALERIE BEAULAC
Contact Address: 401 S FAIR OAKS AVE , , PASADENA , CA, 91105-2603 ,
Contact Phone No and Ext: 626-304-4437
Contact Email: VBEAULAC@HEALTHCAREPARTNERS.COM
Contact Country:
County Name: LOS ANGELES
EPA Region: 09
Land Type:
Receive Date: 19970508

Violation/Evaluation Summary

Note: NO RECORDS: As of Dec 2018, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: Yes
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 19970508
Handler Name: HEALTHCARE PARTNERS LTD
Generator Status Universe: No Report
Source Type: Implementer

Owner/Operator Details

Owner/Operator Ind:	Current Owner	Street No:	
Type:	Other	Street 1:	GROUP
Name:	HEALTHCARE PARTNERS MEDICAL	Street 2:	
Date Became Current:		City:	LOS ANGELES
Date Ended Current:		State:	CA

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Phone:	000-000-0000				Country:	
Source Type:	Implementer				Zip Code:	
Owner/Operator Ind:	Current Operator				Street No:	
Type:	Other				Street 1:	401 S FAIR OAKS AVE
Name:	VALERIE BEAULAC				Street 2:	
Date Became Current:					City:	PASADENA
Date Ended Current:					State:	CA
Phone:	626-304-4437				Country:	
Source Type:	Implementer				Zip Code:	91105-2603

78	1 of 1	SSW	0.14 / 725.37	776.13 / -17	RADCLIFFE ENGINEERING CORP 673 S RAYMOND AV PASADENA CA 91105	EMISSIONS
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1987 Criteria Data

Facility ID:	12794	CERR Code:	
Facility SIC Code:	3443	TOGT:	.9
CO:	19	ROGT:	0
Air Basin:	SC	COT:	
District:	SC	NOXT:	
COID:	LA	SOXT:	
DISN:	SOUTH COAST AQMD	PMT:	
CHAPIS:		PM10T:	

1987 Toxic Data

Facility ID:	12794	COID:	LA
Facility SIC Code:	3443	DISN:	SOUTH COAST AQMD
CO:	19	CHAPIS:	
Air Basin:	SC	CERR Code:	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

1990 Criteria Data

Facility ID:	12794	CERR Code:	
Facility SIC Code:	3548	TOGT:	.9
CO:	19	ROGT:	0
Air Basin:	SC	COT:	
District:	SC	NOXT:	
COID:	LA	SOXT:	
DISN:	SOUTH COAST AQMD	PMT:	
CHAPIS:		PM10T:	

1990 Toxic Data

Facility ID:	12794	COID:	LA
Facility SIC Code:	3548	DISN:	SOUTH COAST AQMD
CO:	19	CHAPIS:	
Air Basin:	SC	CERR Code:	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
79	1 of 1	S	0.14 / 755.35	778.24 / -15	HEALTHCARE PARTNERS 675 S ARROYO PKWY PASADENA CA 91105	RCRA NON GEN

EPA Handler ID: CAL000409296
Gen Status Universe: No Report
Contact Name: LUIS DIAZ
Contact Address: 2175 PARK PLACE , , EL SEGUNDO , CA, 90245-0000 ,
Contact Phone No and Ext: 310-354-4289
Contact Email: LDGARCIA@HEALTHCAREPARTNERS.COM
Contact Country:
County Name: LOS ANGELES
EPA Region: 09
Land Type:
Receive Date: 20150813

Violation/Evaluation Summary

Note: NO RECORDS: As of Dec 2018, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: Yes
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20150813
Handler Name: HEALTHCARE PARTNERS
Generator Status Universe: No Report
Source Type: Implementer

Owner/Operator Details

Owner/Operator Ind:	Current Operator	Street No:	
Type:	Other	Street 1:	2175 PARK PLACE
Name:	LUIS DIAZ	Street 2:	
Date Became Current:		City:	EL SEGUNDO
Date Ended Current:		State:	CA
Phone:	310-354-4289	Country:	
Source Type:	Implementer	Zip Code:	90245-0000
Owner/Operator Ind:	Current Owner	Street No:	
Type:	Other	Street 1:	2175 PARK PLACE
Name:	HEALTHCARE PARTNERS LLC	Street 2:	
Date Became Current:		City:	EL SEGUNDO
Date Ended Current:		State:	CA
Phone:	310-354-4289	Country:	
Source Type:	Implementer	Zip Code:	90245-0000

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
80	1 of 3	SW	0.15 / 775.26	780.58 / -13	HUNTINGTON MEMORIAL HOSPITAL 625 S FAIR OAKS AVE PASADENA CA 91105	DRYCLEANERS

EPA ID:	CAL000385781	Owner Phone:	6263978620
Create Date:	5/24/2013 3:10:56 PM	Owner Fax:	6263972931
Facility Act Ind:	No	Contact Name:	CHRISTOPHER ARZADON
Inact Date:	6/30/2017	Contact Street 1:	100 W CALIFORNIA BLVD
Reason:	SIC/NAICS	Contact Street 2:	
County Name:	Los Angeles	Contact City:	PASADENA
Region Code:	3	Contact State:	CA
Owner Name:	HUNTINGTON MEMORIAL HOSPITAL	Contact Zip:	91105
Owner Street 1:	100 W CALIFORNIA BLVD	Contact Phone:	6263973076
Owner Street 2:		Mail Name:	
Owner City:	PASADENA	DD Latitude:	34.13499
Owner State:	CA	DD Longitude:	-118.15085
Owner Zip:	911090000		

--Details--

NAICS Code:	812331
Naics Desc:	Linen Supply
SIC Code:	7213
SIC Desc:	Linen Supply

80	2 of 3	SW	0.15 / 775.26	780.58 / -13	UCLA PASADENA HEM/ONC 625 S FAIR OAKS AVE STE 320 PASADENA CA 91105	RCRA NON GEN
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EPA Handler ID:	CAL000408071
Gen Status Universe:	No Report
Contact Name:	JESSICA OSORIO
Contact Address:	625 S FAIR OAKS AVE STE 320 , , PASADENA , CA, 91105 ,
Contact Phone No and Ext:	626-396-2999
Contact Email:	JOSORIO@MEDNET.UCLA.EDU
Contact Country:	
County Name:	LOS ANGELES
EPA Region:	09
Land Type:	
Receive Date:	20150629

Violation/Evaluation Summary

Note: NO RECORDS: As of Dec 2018, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	Yes
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20150629
Handler Name: UCLA PASADENA HEM/ONC
Generator Status Universe: No Report
Source Type: Implementer

Owner/Operator Details

Owner/Operator Ind:	Current Owner	Street No:	
Type:	Other	Street 1:	1111 FRANKLIN ST
Name:	REGENTS UNIVERSITY OF CALIFORNIA	Street 2:	
Date Became Current:		City:	OAKLAND
Date Ended Current:		State:	CA
Phone:	310-825-4012	Country:	
Source Type:	Implementer	Zip Code:	94607
Owner/Operator Ind:	Current Operator	Street No:	
Type:	Other	Street 1:	625 S FAIR OAKS AVE STE 320
Name:	JESSICA OSORIO	Street 2:	
Date Became Current:		City:	PASADENA
Date Ended Current:		State:	CA
Phone:	626-396-2999	Country:	
Source Type:	Implementer	Zip Code:	91105

80	3 of 3	SW	0.15 / 775.26	780.58 / -13	UNIVERSITY OF SOUTHERN CALIFORNIA DBA KENNETH NORRIS JR 625 S FAIR OAKS AVE STE 400 PASADENA CA 91105-2684	RCRA NON GEN
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EPA Handler ID: CAL000377942
Gen Status Universe: No Report
Contact Name: MARIANNE SILVA
Contact Address: 625 S FAIR OAKS AVE STE 400 , , PASADENA , CA, 91105 ,
Contact Phone No and Ext: 626-696-2184
Contact Email: MARIANNE.SILVA@MED.USC.EDU
Contact Country:
County Name: LOS ANGELES
EPA Region: 09
Land Type:
Receive Date: 20120907

Violation/Evaluation Summary

Note: NO RECORDS: As of Dec 2018, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: Yes
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Used Oil Refiner:		No				
Used Oil Burner:		No				
Used Oil Market Burner:		No				
Used Oil Spec Marketer:		No				

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20120907
Handler Name: UNIVERSITY OF SOUTHERN CALIFORNIA DBA KENNETH NORRIS JR
Generator Status Universe: No Report
Source Type: Implementer

Owner/Operator Details

Owner/Operator Ind:	Current Owner	Street No:	
Type:	Other	Street 1:	3551 TROUSDALE PKWY
Name:	UNIVERSITY OF SOUTHERN CALIFORNIA	Street 2:	
Date Became Current:		City:	LOS ANGELES
Date Ended Current:		State:	CA
Phone:	323-442-8444	Country:	
Source Type:	Implementer	Zip Code:	90089-0000

Owner/Operator Ind:	Current Operator	Street No:	
Type:	Other	Street 1:	625 S FAIR OAKS AVE STE 400
Name:	MARIANNE SILVA	Street 2:	
Date Became Current:		City:	PASADENA
Date Ended Current:		State:	CA
Phone:	626-696-2184	Country:	
Source Type:	Implementer	Zip Code:	91105

81	1 of 2	NW	0.16 / 824.61	808.86 / 15	373 S FAIR OAKS AVE PASADENA CA 91105	LA HMS
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Site No: 014495
Area: 3J

--Details--

File No: 015094
File Name: JAY PROPERTIES
Status Code: OPEN
Status Desc: File Opened, no permit exists
Permit No:
Permit Category:
Permit Category Desc:
Permit Status Code:
Permit Status Desc:
Permit Type:
Permit Type Desc:

81	2 of 2	NW	0.16 / 824.61	808.86 / 15	BROWN & CALDWELL LABS 373 S FAIR OAKS AVE PASADENA CA 91105	RCRA SQG
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EPA Handler ID: CAD981376734
Gen Status Universe: Small Quantity Generator
Contact Name:
Contact Address: US
Contact Phone No and Ext:
Contact Email:
Contact Country: US
County Name: LOS ANGELES

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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EPA Region:	09
Land Type:	
Receive Date:	19960901

Violation/Evaluation Summary

Note: NO RECORDS: As of Dec 2018, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	19960901
Handler Name:	BROWN & CALDWELL LABS
Generator Status Universe:	Small Quantity Generator
Source Type:	Implementer

Owner/Operator Details

Owner/Operator Ind:	Current Owner	Street No:	
Type:	Private	Street 1:	NOT REQUIRED
Name:	BROWN & CALDWELL	Street 2:	
Date Became Current:		City:	NOT REQUIRED
Date Ended Current:		State:	ME
Phone:	415-555-1212	Country:	
Source Type:	Implementer	Zip Code:	99999
Owner/Operator Ind:	Current Operator	Street No:	
Type:	Private	Street 1:	NOT REQUIRED
Name:	NOT REQUIRED	Street 2:	
Date Became Current:		City:	NOT REQUIRED
Date Ended Current:		State:	ME
Phone:	415-555-1212	Country:	
Source Type:	Implementer	Zip Code:	99999

82	1 of 1	SW	0.16 / 830.99	780.31 / -13	651 S FAIR OAKS AVE PASADENA CA 91115	LA HMS
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Site No:	014720
Area:	3J

--Details--

File No:	015411
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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
File Name:		UNITED PARCEL SERVICE				
Status Code:		OPEN				
Status Desc:		File Opened, no permit exists				
Permit No:						
Permit Category:						
Permit Category Desc:						
Permit Status Code:						
Permit Status Desc:						
Permit Type:						
Permit Type Desc:						

83	1 of 2	WSW	0.16 / 831.97	785.29 / -8	FASHION CLEANERS 1 W CALIFORNIA BLVD PASADENA CA 91105	DRYCLEANERS
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EPA ID:	CAL000278449	Owner Phone:	6264411820
Create Date:	1/21/2004 8:27:23 AM	Owner Fax:	0000000000
Facility Act Ind:	Yes	Contact Name:	MICHAEL ARAMIAN
Inact Date:		Contact Street 1:	1433 HUNTINGTON DR
Reason:	SIC/NAICS	Contact Street 2:	
County Name:	Los Angeles	Contact City:	SOUTH PASADENA
Region Code:	3	Contact State:	CA
Owner Name:	MEDG INC	Contact Zip:	91030
Owner Street 1:	1433 HUNTINGTON DR	Contact Phone:	6264411820
Owner Street 2:		Mail Name:	
Owner City:	SOUTH PASADENA	DD Latitude:	34.135799
Owner State:	CA	DD Longitude:	-118.150432
Owner Zip:	910304512		

--Details--

NAICS Code:	81232
Naics Desc:	Drycleaning and Laundry Services (except Coin-Operated)
SIC Code:	7211
SIC Desc:	Power Laundries, Family and Commercial

83	2 of 2	WSW	0.16 / 831.97	785.29 / -8	FASHION CLEANERS 1 W CALIFORNIA BLVD PASADENA CA 91105	RCRA NON GEN
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EPA Handler ID:	CAL000278449
Gen Status Universe:	No Report
Contact Name:	MICHAEL ARAMIAN
Contact Address:	1433 HUNTINGTON DR , , SOUTH PASADENA , CA, 91030 ,
Contact Phone No and Ext:	626-441-1820
Contact Email:	MARAMIAN@SBCGLOBAL.NET
Contact Country:	
County Name:	LOS ANGELES
EPA Region:	09
Land Type:	
Receive Date:	20040121

Violation/Evaluation Summary

Note: NO RECORDS: As of Dec 2018, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	Yes
Transfer Facility:	No

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<hr/>						
Onsite Burner Exemption:	No					
Furnace Exemption:	No					
Underground Injection Activity:	No					
Commercial TSD:	No					
Used Oil Transporter:	No					
Used Oil Transfer Facility:	No					
Used Oil Processor:	No					
Used Oil Refiner:	No					
Used Oil Burner:	No					
Used Oil Market Burner:	No					
Used Oil Spec Marketer:	No					

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20040121
Handler Name: FASHION CLEANERS
Generator Status Universe: No Report
Source Type: Implementer

Owner/Operator Details

Owner/Operator Ind:	Current Operator	Street No:	
Type:	Other	Street 1:	1433 HUNTINGTON DR
Name:	MICHAEL ARAMIAN	Street 2:	
Date Became Current:		City:	SOUTH PASADENA
Date Ended Current:		State:	CA
Phone:	626-441-1820	Country:	
Source Type:	Implementer	Zip Code:	91030

Owner/Operator Ind:	Current Owner	Street No:	
Type:	Other	Street 1:	1433 HUNTINGTON DR
Name:	MEDG INC	Street 2:	
Date Became Current:		City:	SOUTH PASADENA
Date Ended Current:		State:	CA
Phone:	626-441-1820	Country:	
Source Type:	Implementer	Zip Code:	91030-4512

84	1 of 3	S	0.16 / 863.45	777.69 / -16	KENNETH FRASER COMPANY INC 707 S. ARROYO PARKWAY PASADENA CA 91105	HHSS
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County: Los Angeles
Pdf File Url: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00027320.pdf>

84	2 of 3	S	0.16 / 863.45	777.69 / -16	707 S ARROYO PKWY PASADENA CA 91105	LA HMS
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Site No: 009519
Area: 3J

--Details--

File No: 009335
File Name: KENNETH FRAZER CO
Status Code: OPEN
Status Desc: File Opened, no permit exists
Permit No:
Permit Category:
Permit Category Desc:
Permit Status Code:
Permit Status Desc:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Permit Type:
Permit Type Desc:

84	3 of 3	S	0.16 / 863.45	777.69 / -16	KENNETH FRASER COMPANY, INC. 707 S. ARROYO PARKWAY PASADENA CA	HIST TANK
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Owner Name:	KENNETH FRASER COMPANY, INC.	No of Containers:	2
Owner Street:	707 S. ARROYO PARKWAY	County:	LOS ANGELES
Owner City:	PASADENA	Facility State:	CA
Owner State:	CA	Facility Zip:	91105
Owner Zip:	91105		

85	1 of 1	NW	0.17 / 898.65	810.62 / 17	333 S FAIR OAKS AVE PASADENA CA 911052541	LA HMS
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Site No: 013181
Area: 3J

--Details--

File No: 013482
File Name: PASADENA IMAGING MEDICAL GROUP
Status Code: REM
Status Desc: Equipment Removed
Permit No:
Permit Category:
Permit Category Desc:
Permit Status Code:
Permit Status Desc:
Permit Type:
Permit Type Desc:

86	1 of 1	NW	0.17 / 912.66	811.43 / 18	GOODWILL INDUSTRIES OF SOUTHERN CALIFORNIA, FAIR OAKS #3 340 S. FAIR OAKS AVENUE PASADENA CA 91105	RCRA NON GEN
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EPA Handler ID: CAC002970376
Gen Status Universe: No Report
Contact Name: CLAUDINE LA ROCCA
Contact Address: 340 S. FAIR OAKS AVENUE , , PASADENA , CA, 91105 ,
Contact Phone No and Ext: 323-558-8628
Contact Email: EROBLES@IDRENVIRONMENTAL.COM
Contact Country:
County Name: LOS ANGELES
EPA Region: 09
Land Type:
Receive Date: 20180711

Violation/Evaluation Summary

Note: NO RECORDS: As of Dec 2018, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<hr/>						
Mixed Waste Generator:	No					
Transporter Activity:	No					
Transfer Facility:	No					
Onsite Burner Exemption:	No					
Furnace Exemption:	No					
Underground Injection Activity:	No					
Commercial TSD:	No					
Used Oil Transporter:	No					
Used Oil Transfer Facility:	No					
Used Oil Processor:	No					
Used Oil Refiner:	No					
Used Oil Burner:	No					
Used Oil Market Burner:	No					
Used Oil Spec Marketer:	No					
 <u>Hazardous Waste Handler Details</u>						
Sequence No:	1					
Receive Date:	20180711					
Handler Name:	GOODWILL INDUSTRIES OF SOUTHERN CALIFORNIA, FAIR OAKS #3					
Generator Status Universe:	No Report					
Source Type:	Implementer					
 <u>Owner/Operator Details</u>						
Owner/Operator Ind:	Current Owner				Street No:	
Type:	Other				Street 1:	340 S. FAIR OAKS AVENUE
Name:	GOODWILL INDUSTRIES OF SOUTHERN CAL				Street 2:	
Date Became Current:					City:	PASADENA
Date Ended Current:					State:	CA
Phone:	323-558-8628				Country:	
Source Type:	Implementer				Zip Code:	91105
Owner/Operator Ind:	Current Operator				Street No:	
Type:	Other				Street 1:	340 S. FAIR OAKS AVENUE
Name:	CLAUDINE LA ROCCA				Street 2:	
Date Became Current:					City:	PASADENA
Date Ended Current:					State:	CA
Phone:	323-558-8628				Country:	
Source Type:	Implementer				Zip Code:	91105

87	1 of 1	S	0.17 / 923.04	777.19 / -16	CVS PHARMACY # 9668 727 SOUTH ARROYO PARKWAY PASADENA CA 91105	RCRA LQG
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EPA Handler ID: CAR000238071
Gen Status Universe: Large Quantity Generator
Contact Name: NICOLE WILKINSON
Contact Address: 1 , CVS DRIVE , , WOONSOCKET , RI, 02895 , US
Contact Phone No and Ext: 401-770-7132
Contact Email: NICOLE.WILKINSON@CVSHEALTH.COM
Contact Country: US
County Name: LOS ANGELES
EPA Region: 09
Land Type: Private
Receive Date: 20180301

Violation/Evaluation Summary

Note: NO VIOLATIONS: All of the compliance records associated with this facility (EPA ID) indicate NO VIOLATIONS; Compliance Monitoring and Enforcement table dated Dec, 2018.

Evaluation Details

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Evaluation Start Date:	20170830
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Violation Short Description:	
Return to Compliance Date:	
Evaluation Agency:	State

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	3
Receive Date:	20180301
Handler Name:	CVS PHARMACY # 9668
Generator Status Universe:	Large Quantity Generator
Source Type:	Annual/Biennial Report update with Notification

Waste Code Details

Hazardous Waste Code:	D009
Waste Code Description:	MERCURY
Hazardous Waste Code:	U129
Waste Code Description:	CYCLOHEXANE, 1,2,3,4,5,6-HEXACHLORO-, (1ALPHA, 2ALPHA, 3BETA, 4ALPHA, 5ALPHA, 6BETA)- (OR) LINDANE
Hazardous Waste Code:	U002
Waste Code Description:	2-PROPANONE (I) (OR) ACETONE (I)
Hazardous Waste Code:	181
Waste Code Description:	Other inorganic solid waste
Hazardous Waste Code:	331
Waste Code Description:	Off-specification, aged, or surplus organics
Hazardous Waste Code:	P075
Waste Code Description:	NICOTINE, & SALTS (OR) PYRIDINE, 3-(1-METHYL-2-PYRROLIDINYL)-,(S)-, & SALTS
Hazardous Waste Code:	U034
Waste Code Description:	ACETALDEHYDE, TRICHLORO- (OR) CHLORAL
Hazardous Waste Code:	U205
Waste Code Description:	SELENIUM SULFIDE (OR) SELENIUM SULFIDE SES2 (R,T)
Hazardous Waste Code:	D010
Waste Code Description:	SELENIUM
Hazardous Waste Code:	D007
Waste Code Description:	CHROMIUM

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Hazardous Waste Code: Waste Code Description:		D002			CORROSIVE WASTE	
Hazardous Waste Code: Waste Code Description:		122			Alkaline solution without metals (pH > 12.5)	
Hazardous Waste Code: Waste Code Description:		141			Off-specification, aged, or surplus inorganics	
Hazardous Waste Code: Waste Code Description:		311			Pharmaceutical waste	
Hazardous Waste Code: Waste Code Description:		791			Liquids with pH < 2	
Hazardous Waste Code: Waste Code Description:		D001			IGNITABLE WASTE	
Hazardous Waste Code: Waste Code Description:		214			Unspecified solvent mixture	
Hazardous Waste Code: Waste Code Description:		D024			M-CRESOL	
Hazardous Waste Code: Waste Code Description:		P001			2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3% (OR) WARFARIN, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%	

Hazardous Waste Handler Details

Sequence No: 2
Receive Date: 20160831
Handler Name: CVS PHARMACY #9668
Generator Status Universe: Large Quantity Generator
Source Type: Annual/Biennial Report update with Notification

Waste Code Details

Hazardous Waste Code: D010
Waste Code Description: SELENIUM

Hazardous Waste Code: P075
Waste Code Description: NICOTINE, & SALTS (OR) PYRIDINE, 3-(1-METHYL-2-PYRROLIDINYL)-,(S)-, & SALTS

Hazardous Waste Code: D024
Waste Code Description: M-CRESOL

Hazardous Waste Code: D009
Waste Code Description: MERCURY

Hazardous Waste Code: 122
Waste Code Description: Alkaline solution without metals (pH > 12.5)

Hazardous Waste Code: U129
Waste Code Description: CYCLOHEXANE, 1,2,3,4,5,6-HEXACHLORO-, (1ALPHA, 2ALPHA, 3BETA, 4ALPHA, 5ALPHA, 6BETA)- (OR) LINDANE

Hazardous Waste Code: U165
Waste Code Description: NAPHTHALENE

Hazardous Waste Code: 311
Waste Code Description: Pharmaceutical waste

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Hazardous Waste Code: Waste Code Description:		D007 CHROMIUM				
Hazardous Waste Code: Waste Code Description:		U205 SELENIUM SULFIDE (OR) SELENIUM SULFIDE SES2 (R,T)				
Hazardous Waste Code: Waste Code Description:		331 Off-specification, aged, or surplus organics				
Hazardous Waste Code: Waste Code Description:		D002 CORROSIVE WASTE				
Hazardous Waste Code: Waste Code Description:		P001 2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3% (OR) WARFARIN, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%				
Hazardous Waste Code: Waste Code Description:		U002 2-PROPANONE (I) (OR) ACETONE (I)				
Hazardous Waste Code: Waste Code Description:		214 Unspecified solvent mixture				
Hazardous Waste Code: Waste Code Description:		352 Other organic solids				
<u>Hazardous Waste Handler Details</u>						
Sequence No:		1				
Receive Date:		20140325				
Handler Name:		CVS PHARMACY #9668				
Generator Status Universe:		Large Quantity Generator				
Source Type:		Annual/Biennial Report update with Notification				
<u>Waste Code Details</u>						
Hazardous Waste Code: Waste Code Description:		D008 LEAD				
Hazardous Waste Code: Waste Code Description:		U010 AZIRINO [2',3':3,4]PYRROLO[1,2-A]INDOLE-4,7-DIONE, 6-AMINO-8-[[[(AMINOCARBONYL)OXY]METHYL]-1,1A,2,8,8A,8B-HEXAHYDRO-8A-METHOXY-5-METHYL-, [1AS-(1AALPHA, 8BETA, 8AALPHA, 8BALPHA)]- (OR) MITOMYCIN C				
Hazardous Waste Code: Waste Code Description:		U165 NAPHTHALENE				
Hazardous Waste Code: Waste Code Description:		U411 PHENOL, 2-(1-METHYLETHOXY)-, METHYLCARBAMATE (OR) PROPOXUR				
Hazardous Waste Code: Waste Code Description:		D016 2,4-D (2,4-DICHLOROPHENOXYACETIC ACID)				
Hazardous Waste Code: Waste Code Description:		D018 BENZENE				
Hazardous Waste Code: Waste Code Description:		U034 ACETALDEHYDE, TRICHLORO- (OR) CHLORAL				
Hazardous Waste Code: Waste Code Description:		U122 FORMALDEHYDE				
Hazardous Waste Code: Waste Code Description:		U129 CYCLOHEXANE, 1,2,3,4,5,6-HEXACHLORO-, (1ALPHA, 2ALPHA, 3BETA, 4ALPHA, 5ALPHA, 6BETA)- (OR) LINDANE				
Hazardous Waste Code:		U132				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Waste Code Description:		HEXACHLOROPHENE (OR) PHENOL, 2,2'-METHYLENEBIS[3,4,6-TRICHLORO-				
Hazardous Waste Code:		U201				
Waste Code Description:		1,3-BENZENEDIOL (OR) RESORCINOL				
Hazardous Waste Code:		U205				
Waste Code Description:		SELENIUM SULFIDE (OR) SELENIUM SULFIDE SES2 (R,T)				
Hazardous Waste Code:		U206				
Waste Code Description:		D-GLUCOSE, 2-DEOXY-2-[[[(METHYLNITROSOAMINO)-CARBONYL]AMINO]- (OR) GLUCOPYRANOSE, 2-DEOXY-2-(3-METHYL-3-NITROSOUREIDO)-,D- (OR) STREPTOZOTOCIN				
Hazardous Waste Code:		D002				
Waste Code Description:		CORROSIVE WASTE				
Hazardous Waste Code:		D005				
Waste Code Description:		BARIUM				
Hazardous Waste Code:		D007				
Waste Code Description:		CHROMIUM				
Hazardous Waste Code:		D010				
Waste Code Description:		SELENIUM				
Hazardous Waste Code:		P001				
Waste Code Description:		2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3% (OR) WARFARIN, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%				
Hazardous Waste Code:		P188				
Waste Code Description:		BENZOIC ACID, 2-HYDROXY-, COMPD. WITH (3AS-CIS)-1,2,3,3A,8,8A-HEXAHYDRO-1,3A,8-TRIMETHYLPYRROLO[2,3-B]INDOL-5-YL METHYLCARBAMATE ESTER (1:1) (OR) PHYSOSTIGMINE SALICYLATE				
Hazardous Waste Code:		U044				
Waste Code Description:		CHLOROFORM (OR) METHANE, TRICHLORO-				
Hazardous Waste Code:		U188				
Waste Code Description:		PHENOL				
Hazardous Waste Code:		D006				
Waste Code Description:		CADMIUM				
Hazardous Waste Code:		D009				
Waste Code Description:		MERCURY				
Hazardous Waste Code:		D011				
Waste Code Description:		SILVER				
Hazardous Waste Code:		D039				
Waste Code Description:		TETRACHLOROETHYLENE				
Hazardous Waste Code:		D004				
Waste Code Description:		ARSENIC				
Hazardous Waste Code:		D024				
Waste Code Description:		M-CRESOL				
Hazardous Waste Code:		U070				
Waste Code Description:		BENZENE, 1,2-DICHLORO- (OR) O-DICHLOROBENZENE				
Hazardous Waste Code:		U089				
Waste Code Description:		DIETHYLSTILBESTEROL (OR) PHENOL, 4,4'-(1,2-DIETHYL-1,2-ETHENEDIYL)BIS, (E)-				
Hazardous Waste Code:		U150				
Waste Code Description:		L-PHENYLALANINE, 4-[BIS(2-CHLOROETHYL)AMINO]- (OR) MELPHALAN				
Hazardous Waste Code:		U200				
Waste Code Description:		RESERPINE (OR) YOHIMBAN-16-CARBOXYLIC ACID, 11,17-DIMETHOXY-18-[(3,4,5-				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
					TRIMETHOXYBENZOYL)OXY]-, METHYL ESTER, (3BETA, 16BETA, 17ALPHA, 18BETA, 20ALPHA)-	
Hazardous Waste Code:				D001		
Waste Code Description:				IGNITABLE WASTE		
Hazardous Waste Code:				D035		
Waste Code Description:				METHYL ETHYL KETONE		
Hazardous Waste Code:				P075		
Waste Code Description:				NICOTINE, & SALTS (OR) PYRIDINE, 3-(1-METHYL-2-PYRROLIDINYL)-,(S)-, & SALTS		
Hazardous Waste Code:				U002		
Waste Code Description:				2-PROPANONE (I) (OR) ACETONE (I)		
Hazardous Waste Code:				U035		
Waste Code Description:				BENZENE BUTANOIC ACID, 4-[BIS(2-CHLOROETHYL)AMINO]- (OR) CHLORAMBUCIL		
Hazardous Waste Code:				U072		
Waste Code Description:				BENZENE, 1,4-DICHLORO- (OR) P-DICHLOROBENZENE		
Hazardous Waste Code:				U154		
Waste Code Description:				METHANOL (I) (OR) METHYL ALCOHOL (I)		
Hazardous Waste Code:				U204		
Waste Code Description:				SELENIOUS ACID (OR) SELENIUM DIOXIDE		
Hazardous Waste Code:				U279		
Waste Code Description:				CARBARYL (OR) 1-NAPHTHALENOL, METHYLCARBAMATE		
Hazardous Waste Code:				D027		
Waste Code Description:				1,4-DICHLOROBENZENE		
Hazardous Waste Code:				P012		
Waste Code Description:				ARSENIC OXIDE AS2O3 (OR) ARSENIC TRIOXIDE		
Hazardous Waste Code:				U031		
Waste Code Description:				1-BUTANOL (I) (OR) N-BUTYL ALCOHOL (I)		
Hazardous Waste Code:				U058		
Waste Code Description:				2H-1,3,2-OXAZAPHOSPHORIN-2-AMINE, N,N-BIS(2-CHLOROETHYL)TETRAHYDRO-, 2-OXIDE (OR) CYCLOPHOSPHAMIDE		
Hazardous Waste Code:				U059		
Waste Code Description:				5,12-NAPHTHACENEDIONE, 8-ACETYL-10-[(3-AMINO-2,3,6-TRIDEOXY)-ALPHA-L-LYXO-HEXOPYRANOSYL)OXY]-7,8,9,10-TETRAHYDRO-6,8,11-TRIHYDROXY-1-METHOXY-, (8S-CIS)- (OR) DAUNOMYCIN		
Hazardous Waste Code:				U151		
Waste Code Description:				MERCURY		
Hazardous Waste Code:				U210		
Waste Code Description:				ETHENE, TETRACHLORO- (OR) TETRACHLOROETHYLENE		

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20130327
Handler Name: CVS PHARMACY NO 9668
Generator Status Universe: Large Quantity Generator
Source Type: Notification

Waste Code Details

Hazardous Waste Code: D002
Waste Code Description: CORROSIVE WASTE
Hazardous Waste Code: D009

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Waste Code Description:		MERCURY				
Hazardous Waste Code:		P042				
Waste Code Description:		1,2-BENZENEDIOL, 4-[1-HYDROXY-2-(METHYLAMINO)ETHYL]-, (R)- (OR) EPINEPHRINE				
Hazardous Waste Code:		D001				
Waste Code Description:		IGNITABLE WASTE				
Hazardous Waste Code:		P081				
Waste Code Description:		1,2,3-PROPANETRIOL, TRINITRATE (R) (OR) NITROGLYCERINE (R)				
Hazardous Waste Code:		P075				
Waste Code Description:		NICOTINE, & SALTS (OR) PYRIDINE, 3-(1-METHYL-2-PYRROLIDINYL)-,(S)-, & SALTS				
Hazardous Waste Code:		P001				
Waste Code Description:		2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3% (OR) WARFARIN, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%				
<u>Owner/Operator Details</u>						
Owner/Operator Ind:	Current Owner			Street No:	21800	
Type:	Private			Street 1:	BURBANK BLVD STE 330	
Name:	REALTY BANCORP EQUITIES ARROYO LLC			Street 2:		
Date Became Current:	20010622			City:	WOODLAND HILLS	
Date Ended Current:				State:	CA	
Phone:	818-251-9911			Country:		
Source Type:	Annual/Biennial Report update with Notification			Zip Code:	91367	
Owner/Operator Ind:	Current Operator			Street No:		
Type:	Private			Street 1:		
Name:	GARFIELD BEACH CVS LLC			Street 2:		
Date Became Current:	20060602			City:		
Date Ended Current:				State:		
Phone:				Country:		
Source Type:	Annual/Biennial Report update with Notification			Zip Code:		
Owner/Operator Ind:	Current Operator			Street No:		
Type:	Private			Street 1:		
Name:	GARFIELD BEACH CVS LLC			Street 2:		
Date Became Current:	20060602			City:		
Date Ended Current:				State:		
Phone:				Country:	US	
Source Type:	Notification			Zip Code:		
Owner/Operator Ind:	Current Owner			Street No:	21800	
Type:	Private			Street 1:	BURBANK BLVD, STE 330	
Name:	REALTY BANCORP EQUITIES ARROYO, LLC			Street 2:		
Date Became Current:	20010622			City:	WOODLAND HILLS	
Date Ended Current:				State:	CA	
Phone:	818-251-9911			Country:	US	
Source Type:	Annual/Biennial Report update with Notification			Zip Code:	91367	
Owner/Operator Ind:	Current Owner			Street No:	21800	
Type:	Private			Street 1:	BURBANK BLVD	
Name:	REALTY BANCORP EQUITIES - ARROYO, LLC			Street 2:	STE 330	
Date Became Current:	20010622			City:	WOODLAND HILLS	
Date Ended Current:				State:	CA	
Phone:	818-251-9911			Country:	US	
Source Type:	Annual/Biennial Report update with Notification			Zip Code:	91367	
Owner/Operator Ind:	Current Owner			Street No:		
Type:	Private			Street 1:	21800 BURBANK BLVD	
Name:	REALTY BANCORP EQUITIES ARROYO LLC			Street 2:	STE 330	
Date Became Current:	20010622			City:	WOODLAND HILLS	
Date Ended Current:				State:	CA	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Phone: 818-251-9911 Country: US Source Type: Notification Zip Code: 91367 Owner/Operator Ind: Current Operator Street No: Type: Private Street 1: Name: GARFIELD BEACH CVS, L.L.C. Street 2: Date Became Current: 20060602 City: Date Ended Current: State: Phone: Country: Source Type: Annual/Biennial Report update with Notification Zip Code:						
Owner/Operator Ind: Current Operator Street No: 1 Type: Private Street 1: CVS DRIVE Name: GARFIELD BEACH CVS, L.L.C. Street 2: Date Became Current: 20060602 City: WOONSOCKET Date Ended Current: State: RI Phone: 401-765-1500 Country: US Source Type: Annual/Biennial Report update with Notification Zip Code: 02895						
88	1 of 1	NW	0.18 / 924.82	809.30 / 16	CROWN CITY TIRE 80 W. BELLEVUE DR. Pasadena CA 91105	DELISTED TNK
Facility ID: 19-080-000505 Latitude: 34.139397 County: Los Angeles Longitude: -118.150849 Permitting Agency: PASADENA, CITY OF Original Source: UST Record Date: 30-JAN-2017						
89	1 of 1	N	0.18 / 934.94	821.19 / 28	LHSW, Inc Arroyo Shell 290 S ARROYO PKWY PASADENA CA 91105	UST
Facility ID: LACoFA0003294 Latitude: 34.14082 Permitting Agency: Los Angeles County Fire Department Longitude: -118.14708 County: Los Angeles						
90	1 of 1	N	0.18 / 937.88	820.59 / 27	SHIBLI HADDAD #14-406 290 S.AROYO PARKWAY PASADENA CA	HIST TANK
Owner Name: MOBIL OIL CORPORATION No of Containers: 4 Owner Street: 612 SOUTH FLOWER STREET County: LOS ANGELES Owner City: LOS ANGELES Facility State: CA Owner State: CA Facility Zip: 91101 Owner Zip: 90017						
91	1 of 1	ESE	0.18 / 953.80	799.64 / 6	DAVID N SCHULTZ 285 E. CALIFORNIA BLVD. #301 PASADENA CA 91106	RCRA NON GEN
EPA Handler ID: CAC002988329 Gen Status Universe: No Report Contact Name: CYNTHIA RIOS Contact Address: 285 E. CALIFORNIA BLVD. #301 , , PASADENA , CA, 91106 , Contact Phone No and Ext: 818-240-1070 Contact Email: CMCGUIRE@RMC.COM Contact Country: County Name: LOS ANGELES EPA Region: 09 Land Type: Receive Date: 20181107						

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Violation/Evaluation Summary

Note: NO RECORDS: As of Dec 2018, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20181107
Handler Name: DAVID N SCHULTZ
Generator Status Universe: No Report
Source Type: Implementer

Owner/Operator Details

Owner/Operator Ind:	Current Owner	Street No:	
Type:	Other	Street 1:	285 E. CALIFORNIA BLVD. #301
Name:	DAVID N. SCHULTZ	Street 2:	
Date Became Current:		City:	PASADENA
Date Ended Current:		State:	CA
Phone:	818-240-1070	Country:	
Source Type:	Implementer	Zip Code:	91106
Owner/Operator Ind:	Current Operator	Street No:	
Type:	Other	Street 1:	285 E. CALIFORNIA BLVD. #301
Name:	CYNTHIA RIOS	Street 2:	
Date Became Current:		City:	PASADENA
Date Ended Current:		State:	CA
Phone:	818-240-1070	Country:	
Source Type:	Implementer	Zip Code:	91106

92	1 of 3	SSW	0.18 / 953.98	774.28 / -19	UNION OIL RETAIL RETAIL SALES 730 SOUTH RAYMOND AVENUE PASADENA CA 91105	HHSS
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County: Los Angeles
Pdf File Url: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/000281e4.pdf>

92	2 of 3	SSW	0.18 / 953.98	774.28 / -19	730 S RAYMOND AVE PASADENA CA 91105	LA HMS
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Site No: 010139
Area: 3J

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
--Details--						
File No:		010008				
File Name:		UNOCAL CORP SS 0379				
Status Code:		REM				
Status Desc:		Equipment Removed				
Permit No:		00001449T				
Permit Category:		T				
Permit Category Desc:		Underground Storage Tank				
Permit Status Code:		REM				
Permit Status Desc:		Equipment Removed				
Permit Type:		0				
Permit Type Desc:		Underground Storage Tank Operating Permit				
92	3 of 3	SSW	0.18 / 953.98	774.28 / -19	UNION OIL RETAIL RETAIL SALES 730 SOUTH RAYMOND AVENUE PASADENA CA	HIST TANK
Owner Name:	UNION OIL COMPANY OF CALIFORNI			No of Containers:	1	
Owner Street:	3701 WILSHIRE BOULEVARD-SUITE			County:	(NOT LEGIBLE)	
Owner City:	LOS ANGELES			Facility State:	CA	
Owner State:	CA			Facility Zip:	91105	
Owner Zip:	90010					
93	1 of 4	N	0.18 / 956.07	819.86 / 26	LHSW, Inc Arroyo Shell 290 S ARROYO PKWY PASADENA CA 91105	CERS TANK
Site ID:	121320					
Latitude:	34.140816					
Longitude:	-118.147079					
<u>Regulated Programs</u>						
EI ID:	10308049					
EI Description:	Hazardous Waste Generator					
EI ID:	10308049					
EI Description:	Chemical Storage Facilities					
EI ID:	10308049					
EI Description:	Underground Storage Tank					
<u>Affiliations</u>						
Affil Type Desc:	UST Permit Applicant					
Entity Name:	Chris Rodriguez					
Entity Title:	Contractor					
Address:						
City:						
State:						
Country:						
Zip Code:						
Phone:	(909) 997-8906					
Affil Type Desc:	UST Property Owner Name					
Entity Name:	Haddad Family Trust					
Entity Title:						
Address:	290 S ARROYO PARKWAY					
City:	PASADENA					
State:	CA					
Country:	United States					

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Zip Code: Phone:		91005 (661) 645-8491				
Affil Type Desc: Entity Name: Entity Title: Address: City: State: Country: Zip Code: Phone:		Identification Signer Chris Rodriguez				
Affil Type Desc: Entity Name: Entity Title: Address: City: State: Country: Zip Code: Phone:		Property Owner Haddad Family Trust 290 S Arroyo Parkway Pasadena CA United States 91105 (661) 645-8491				
Affil Type Desc: Entity Name: Entity Title: Address: City: State: Country: Zip Code: Phone:		Legal Owner Shibli Haddad 290 S Arroyo Parkway Pasadena CA United States 91105 (626) 390-4366				
Affil Type Desc: Entity Name: Entity Title: Address: City: State: Country: Zip Code: Phone:		UST Tank Owner HADDAD FAMILY TRUST 290 S ARROYO PARKWAY PASADENA CA United States 91105 (661) 645-8491				
Affil Type Desc: Entity Name: Entity Title: Address: City: State: Country: Zip Code: Phone:		Facility Mailing Address Mailing Address 290 S Arroyo Parkway Pasadena CA 91005				
Affil Type Desc: Entity Name: Entity Title: Address: City: State: Country: Zip Code: Phone:		CUPA District Los Angeles County Fire 5825 Rickenbacker Road Commerce CA 90040-3027 (323) 890-4045				
Affil Type Desc: Entity Name: Entity Title: Address: City: State:		Environmental Contact Shibli Haddad 290 S Arroyo Parkway Pasadena CA				

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction</i>	<i>Distance (mi/ft)</i>	<i>Elev/Diff (ft)</i>	<i>Site</i>	<i>DB</i>
<hr/>						
Country:						
Zip Code:		91105				
Phone:		(626) 390-4366				
Affil Type Desc:		Parent Corporation				
Entity Name:		LHSW, Inc. - Shell				
Entity Title:						
Address:						
City:						
State:						
Country:						
Zip Code:						
Phone:						
Affil Type Desc:		Operator				
Entity Name:		LHSW, Inc dba Arroyo Shell				
Entity Title:						
Address:						
City:						
State:						
Country:						
Zip Code:						
Phone:		(626) 390-4366				
Affil Type Desc:		UST Tank Operator				
Entity Name:		LHSW, INC.				
Entity Title:						
Address:		290 S ARROYO PARKWAY				
City:		PASADENA				
State:		CA				
Country:		United States				
Zip Code:		91005				
Phone:		(661) 645-8491				
Affil Type Desc:		Document Preparer				
Entity Name:		Chris Rodriguez				
Entity Title:						
Address:						
City:						
State:						
Country:						
Zip Code:						
Phone:						

Coordinates

Env Int Type Code:	HWG	Longitude:	-118.147080
Program ID:	10308049	Coord Name:	
Latitude:	34.140820	Ref Point Type Desc:	Center of a facility or station.

Evaluations

Eval Date:	6/21/2017
Violations Found:	Yes
Eval General Type:	Compliance Evaluation Inspection
Eval Type:	Routine done by local agency
Eval Division:	Pasadena Fire Department
Eval Program:	UST
Eval Source:	CERS
Eval Notes:	

; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date:	6/24/2015
Violations Found:	Yes
Eval General Type:	Compliance Evaluation Inspection

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Eval Type:		Routine done by local agency				
Eval Division:		Pasadena Fire Department				
Eval Program:		UST				
Eval Source:		CERS				
Eval Notes:						

; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date:		6/20/2018				
Violations Found:		No				
Eval General Type:		Compliance Evaluation Inspection				
Eval Type:		Routine done by local agency				
Eval Division:		Pasadena Fire Department				
Eval Program:		HMRRP				
Eval Source:		CERS				
Eval Notes:						

; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date:		10/30/2017				
Violations Found:		No				
Eval General Type:		Compliance Evaluation Inspection				
Eval Type:		Routine done by local agency				
Eval Division:		Los Angeles County Fire Department				
Eval Program:		HW				
Eval Source:		CERS				
Eval Notes:						

Shibli Haddad, Co-Owner; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date:		6/26/2014				
Violations Found:		No				
Eval General Type:		Compliance Evaluation Inspection				
Eval Type:		Routine done by local agency				
Eval Division:		Pasadena Fire Department				
Eval Program:		HMRRP				
Eval Source:		CERS				
Eval Notes:						

; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date:		6/21/2017				
Violations Found:		No				
Eval General Type:		Compliance Evaluation Inspection				
Eval Type:		Routine done by local agency				
Eval Division:		Pasadena Fire Department				
Eval Program:		HMRRP				
Eval Source:		CERS				
Eval Notes:						

; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date:		8/31/2017				
Violations Found:		No				
Eval General Type:		Compliance Evaluation Inspection				
Eval Type:		Routine done by local agency				
Eval Division:		Los Angeles County Fire Department				
Eval Program:		HW				
Eval Source:		CERS				
Eval Notes:						

Wesley Wilkins; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date:		6/20/2018				
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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Violations Found:	No
Eval General Type:	Compliance Evaluation Inspection
Eval Type:	Routine done by local agency
Eval Division:	Pasadena Fire Department
Eval Program:	UST
Eval Source:	CERS
Eval Notes:	

; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date:	6/22/2016
Violations Found:	Yes
Eval General Type:	Compliance Evaluation Inspection
Eval Type:	Routine done by local agency
Eval Division:	Pasadena Fire Department
Eval Program:	UST
Eval Source:	CERS
Eval Notes:	

; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date:	6/22/2016
Violations Found:	Yes
Eval General Type:	Compliance Evaluation Inspection
Eval Type:	Routine done by local agency
Eval Division:	Pasadena Fire Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval Notes:	

; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date:	6/24/2015
Violations Found:	No
Eval General Type:	Compliance Evaluation Inspection
Eval Type:	Routine done by local agency
Eval Division:	Pasadena Fire Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval Notes:	

; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date:	6/26/2014
Violations Found:	No
Eval General Type:	Compliance Evaluation Inspection
Eval Type:	Routine done by local agency
Eval Division:	Pasadena Fire Department
Eval Program:	UST
Eval Source:	CERS
Eval Notes:	

; Note: data in [EVAL Notes] field for some records is truncated from the source.

Violations

Violation Date:	6/22/2016	Violation Program:	HMRRP
Violation Division:	Pasadena Fire Department	Violation Source:	CERS
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)		
Violation Notes:			

Returned to compliance on 12/02/2016.; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Failure to complete and electronically submit a site map with all required content.

Violations

Violation Date:	6/22/2016	Violation Program:	UST
Violation Division:	Pasadena Fire Department	Violation Source:	CERS
Citation:	23 CCR 6.7 25284, 25286 - California Code of Regulations, Title 23, Chapter 6.7, Section(s) 25284, 25286		
Violation Notes:			

Returned to compliance on 12/02/2016.; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to submit a complete and accurate application for a permit to operate a UST, or for renewal of the permit.

Violations

Violation Date:	6/22/2016	Violation Program:	HMRRP
Violation Division:	Pasadena Fire Department	Violation Source:	CERS
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)		
Violation Notes:			

Returned to compliance on 12/02/2016.; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to establish and electronically submit an adequate training program in safety procedures in the event of a release or threatened release of a hazardous material.

Violations

Violation Date:	6/21/2017	Violation Program:	UST
Violation Division:	Pasadena Fire Department	Violation Source:	CERS
Citation:	23 CCR 16 2636(f)(1) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)(1)		
Violation Notes:			

Returned to compliance on 06/21/2017.; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure of the double-walled pressurized piping to be continuously monitored with a system that activates an audible and visual alarm or stops flow at the dispenser when a leak is detected.

Violations

Violation Date:	6/22/2016	Violation Program:	HMRRP
Violation Division:	Pasadena Fire Department	Violation Source:	CERS
Citation:	19 CCR 6.95 25508(a)(1) - California Code of Regulations, Title 19, Chapter 6.95, Section(s) 25508(a)(1)		
Violation Notes:			

Returned to compliance on 12/02/2016.; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to complete and electronically submit the Business Activities Page and/or Business Owner Operator Identification Page.

Violations

Violation Date:	6/22/2016	Violation Program:	UST
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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Violation Division:	Pasadena Fire Department	Violation Source:	CERS
Citation:	23 CCR 16 2632(d)(1)(C), 2641(h), 2711(a)(8) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2632(d)(1)(C), 2641(h), 2711(a)(8)		

Violation Notes:

Returned to compliance on 12/02/2016.; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to submit or update a plot plan.

Violations

Violation Date:	6/22/2016	Violation Program:	HMRRP
Violation Division:	Pasadena Fire Department	Violation Source:	CERS
Citation:	HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)		

Violation Notes:

Returned to compliance on 12/02/2016.; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.

Violations

Violation Date:	6/22/2016	Violation Program:	UST
Violation Division:	Pasadena Fire Department	Violation Source:	CERS
Citation:	23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)		

Violation Notes:

Returned to compliance on 12/02/2016.; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to have a UST Response Plan available on site.

Violations

Violation Date:	6/22/2016	Violation Program:	UST
Violation Division:	Pasadena Fire Department	Violation Source:	CERS
Citation:	HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34		

Violation Notes:

Returned to compliance on 12/02/2016.; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.

Violations

Violation Date:	6/22/2016	Violation Program:	HMRRP
Violation Division:	Pasadena Fire Department	Violation Source:	CERS
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)		

Violation Notes:

Returned to compliance on 12/02/2016.; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Failure to complete and electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.

Violations

Violation Date: 6/22/2016
Violation Division: Pasadena Fire Department
Citation: 23 CCR 16 2715(a) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(a)
Violation Notes:

Returned to compliance on 12/02/2016.; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to notify the CUPA of the designated operator (DO) identification and/or change of the DO within 30 days.

Violations

Violation Date: 6/21/2017
Violation Division: Pasadena Fire Department
Citation: 23 CCR 16 2715(e) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(e)
Violation Notes:

Returned to compliance on 07/27/2017.; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to maintain a copy of the designated operator monthly inspections for the last 12 months on-site or off-site at a readily available location, if approved by the UPA.

Violations

Violation Date: 6/24/2015
Violation Division: Pasadena Fire Department
Citation: 23 CCR 16 2636(f) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)
Violation Notes:

Returned to compliance on 11/30/2015.; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to continuously monitor the interstitial space of the tank, piping and/or sumps sump such that the leak detection activates an audible/visual alarm when a leak is detected.

Violations

Violation Date: 6/24/2015
Violation Division: Pasadena Fire Department
Citation: HSC 6.7 25291 - California Health and Safety Code, Chapter 6.7, Section(s) 25291
Violation Notes:

Returned to compliance on 11/30/2015.; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to maintain under-dispenser containment, sumps, and/or other secondary containment in good condition and/or free of debris/liquid.

Violations

Violation Date: 6/22/2016
Violation Division: Pasadena Fire Department
Violation Program: HMRRP
Violation Source: CERS

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Citation: HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2

Violation Notes:

Returned to compliance on 12/02/2016.; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.

Violations

Violation Date:	6/22/2016	Violation Program:	HMRRP
Violation Division:	Pasadena Fire Department	Violation Source:	CERS
Citation:	HSC 6.95 25508.1(a)-(f) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(f)		
Violation Notes:			

Returned to compliance on 12/02/2016.; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to electronically update business plan within 30 days of any one of the following events:
 A 100 percent or more increase in the quantity of a previously disclosed material.
 Any handling of a previously undisclosed hazardous materials at or above reportable quantities.
 A change of business address, business ownership, or business name.
 A substantial change in the handler's operations that requires modification to any portion of the business plan.

Violations

Violation Date:	6/22/2016	Violation Program:	UST
Violation Division:	Pasadena Fire Department	Violation Source:	CERS
Citation:	23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)		
Violation Notes:			

Returned to compliance on 12/02/2016.; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to have a UST Monitoring Plan available on site.

Violations

Violation Date:	6/22/2016	Violation Program:	HMRRP
Violation Division:	Pasadena Fire Department	Violation Source:	CERS
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)		
Violation Notes:			

Returned to compliance on 12/02/2016.; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to establish and electronically submit an adequate emergency response plan and procedures for a release or threatened release of a hazardous material.

Violations

Violation Date:	6/22/2016	Violation Program:	HMRRP
Violation Division:	Pasadena Fire Department	Violation Source:	CERS
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)		
Violation Notes:			

Returned to compliance on 12/02/2016.; Note: data in [Violation Notes] field for some records is truncated from the source.

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Violation Description:						
Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.						
93	2 of 4	N	0.18 / 956.07	819.86 / 26	LHSW, INC DBA ARROYO SHELL 290 S ARROYO PKY PASADENA CA 91105	EMISSIONS
2016 Toxic Data						
Facility ID:	182655			TS:		
Facility SIC Code:	5541			HRA:		
CERR CODE:				CH Index:		
COID:	LA			AH Index:		
CO:	19			Air Basin:	SC	
DISN:	SOUTH COAST AQMD			District:	SC	
CHAPIS:						
93	3 of 4	N	0.18 / 956.07	819.86 / 26	SHIBLI HADDAD 14-406 290 S. ARROYO PARKWAY PASADENA CA 91101	HHSS
County:						
Pdf File Url:		http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00027f22.pdf				
93	4 of 4	N	0.18 / 956.07	819.86 / 26	290 S ARROYO PKWY PASADENA CA 91103	LA HMS
Site No:	009589					
Area:	3J					
--Details--						
File No:	009412					
File Name:	MOBIL OIL SS 11HTT					
Status Code:	REM					
Status Desc:	Equipment Removed					
Permit No:	00000496T					
Permit Category:	T					
Permit Category Desc:	Underground Storage Tank					
Permit Status Code:	REM					
Permit Status Desc:	Equipment Removed					
Permit Type:	0					
Permit Type Desc:	Underground Storage Tank Operating Permit					
94	1 of 2	SSW	0.18 / 968.18	774.11 / -19	HUNTINGTON TRUST 707 S RAYMOND AVE PASADENA CA 91105	RCRA SQG
EPA Handler ID:	CAR000115600					
Gen Status Universe:	Small Quantity Generator					
Contact Name:	RICK FERO					
Contact Address:	431 W LAMBERT RD STE 305 , , BREA , CA, 92821 , US					
Contact Phone No and Ext:	714-256-2737					
Contact Email:						
Contact Country:	US					
County Name:	LOS ANGELES					
EPA Region:	09					

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Land Type:	Private
Receive Date:	20020508

Violation/Evaluation Summary

Note: NO RECORDS: As of Dec 2018, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	20020508
Handler Name:	HUNTINGTON TRUST
Generator Status Universe:	Small Quantity Generator
Source Type:	Notification

Waste Code Details

Hazardous Waste Code:	D040
Waste Code Description:	TRICHLORETHYLENE

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	20020508
Handler Name:	HUNTINGTON TRUST
Generator Status Universe:	Small Quantity Generator
Source Type:	Implementer

Owner/Operator Details

Owner/Operator Ind:	Current Owner	Street No:	
Type:	Private	Street 1:	100 W CALIFORNIA BLVD
Name:	HUNTINGTON MEM HOSP TRUST	Street 2:	
Date Became Current:		City:	PASADENA
Date Ended Current:		State:	CA
Phone:	626-397-3316	Country:	
Source Type:	Notification	Zip Code:	91105
Owner/Operator Ind:	Current Owner	Street No:	
Type:	Private	Street 1:	100 W CALIFORNIA BLVD
Name:	HUNTINGTON MEM HOSP TRUST	Street 2:	
Date Became Current:		City:	PASADENA
Date Ended Current:		State:	CA

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Phone: 626-397-3316				Country:		
Source Type: Implementer				Zip Code: 91105		
94	2 of 2	SSW	0.18 / 968.18	774.11 / -19	RAYMOND AVENUE PROPERTY 707 S RAYMOND AVE PASADENA CA 91105	LA SML
Site ID: SD0000080						
Case ID: RO0000084						
Status:						
95	1 of 2	SW	0.19 / 978.83	780.13 / -13	686 S FAIR OAKS AVE PASADENA CA 91115	LA HMS
Site No: 010500						
Area: 3J						
--Details--						
File No: 010429						
File Name: HUNTINGTON MEDICAL RESEARCH IN						
Status Code: OPEN						
Status Desc: File Opened, no permit exists						
Permit No:						
Permit Category:						
Permit Category Desc:						
Permit Status Code:						
Permit Status Desc:						
Permit Type:						
Permit Type Desc:						
95	2 of 2	SW	0.19 / 978.83	780.13 / -13	HUNTINGTON MEDICAL RESEARCH INSTITUTES 686 S FAIR OAKS AVE PASADENA CA 91101	RCRA NON GEN
EPA Handler ID: CAL000433702						
Gen Status Universe: No Report						
Contact Name: FRANK DAVIS						
Contact Address: 99 N EL MOLINO AVE , , PASADENA , CA, 91101 ,						
Contact Phone No and Ext: 626-795-4343						
Contact Email: FRANK.DAVIS@HMRI.ORG						
Contact Country:						
County Name: LOS ANGELES						
EPA Region: 09						
Land Type:						
Receive Date: 20180215						
<u>Violation/Evaluation Summary</u>						
Note:		NO RECORDS: As of Dec 2018, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).				
<u>Handler Summary</u>						
Importer Activity: No						
Mixed Waste Generator: No						
Transporter Activity: Yes						
Transfer Facility: No						
Onsite Burner Exemption: No						
Furnace Exemption: No						

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Underground Injection Activity:	No					
Commercial TSD:	No					
Used Oil Transporter:	No					
Used Oil Transfer Facility:	No					
Used Oil Processor:	No					
Used Oil Refiner:	No					
Used Oil Burner:	No					
Used Oil Market Burner:	No					
Used Oil Spec Marketer:	No					

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20180215
Handler Name: HUNTINGTON MEDICAL RESEARCH INSTITUTES
Generator Status Universe: No Report
Source Type: Implementer

Owner/Operator Details

Owner/Operator Ind:	Current Owner	Street No:	
Type:	Other	Street 1:	99 N EL MOLINO AVE
Name:	HUNTINGTON MEDICAL RESEARCH INST	Street 2:	
Date Became Current:		City:	PASADENA
Date Ended Current:		State:	CA
Phone:	626-795-4343	Country:	
Source Type:	Implementer	Zip Code:	91101

Owner/Operator Ind:	Current Operator	Street No:	
Type:	Other	Street 1:	99 N EL MOLINO AVE
Name:	FRANK DAVIS	Street 2:	
Date Became Current:		City:	PASADENA
Date Ended Current:		State:	CA
Phone:	626-795-4343	Country:	
Source Type:	Implementer	Zip Code:	91101

96	1 of 1	S	0.19 / 999.38	777.49 / -16	SIZZLER - FORBCO MANAGEMENT CO 730 S ARROYO PARKWAY PASADENA CA 91101	EMISSIONS
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1990 Criteria Data

Facility ID:	65194	CERR Code:	
Facility SIC Code:	5812	TOGT:	.3
CO:	19	ROGT:	.12669
Air Basin:	SC	COT:	
District:	SC	NOXT:	0
COID:	LA	SOXT:	
DISN:	SOUTH COAST AQMD	PMT:	.8
CHAPIS:		PM10T:	.76

1990 Toxic Data

Facility ID:	65194	COID:	LA
Facility SIC Code:	5812	DISN:	SOUTH COAST AQMD
CO:	19	CHAPIS:	
Air Basin:	SC	CERR Code:	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Non-Cancer Acute Haz Ind:

97	1 of 1	NNW	0.19 / 1,004.97	814.51 / 21	DESIGN LAB 30 EAST DEL MAR BLVD. PASADENA CA 91105	RCRA NON GEN
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EPA Handler ID: CAC002984184
Gen Status Universe: No Report
Contact Name: DANIEL HIENZSCH
Contact Address: 30 EAST DEL MAR BLVD. , , PASADENA , CA, 91105 ,
Contact Phone No and Ext: 310-403-2252
Contact Email: JOECHEMIST@HOTMAIL.COM
Contact Country:
County Name: LOS ANGELES
EPA Region: 09
Land Type:
Receive Date: 20181009

Violation/Evaluation Summary

Note: NO RECORDS: As of Dec 2018, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20181009
Handler Name: DESIGN LAB
Generator Status Universe: No Report
Source Type: Implementer

Owner/Operator Details

Owner/Operator Ind:	Current Operator	Street No:	
Type:	Other	Street 1:	30 EAST DEL MAR BLVD.
Name:	DANIEL HIENZSCH	Street 2:	
Date Became Current:		City:	PASADENA
Date Ended Current:		State:	CA
Phone:	310-403-2252	Country:	
Source Type:	Implementer	Zip Code:	91105
Owner/Operator Ind:	Current Owner	Street No:	
Type:	Other	Street 1:	30 EAST DEL MAR BLVD.
Name:	DANIEL HIENZSCH	Street 2:	
Date Became Current:		City:	PASADENA

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<div> <div> Date Ended Current: Phone: 310-403-2252 Source Type: Implementer </div> <div> State: CA Country: Zip Code: 91105 </div> </div>						
98	1 of 1	SSW	0.19 / 1,007.45	775.06 / -18	RAYMOND AVENUE PROPERTY 707 S. RAYMOND AVE. PASADENA CA 91105	ENVIROSTOR
<div> <div> Estor/EPA ID: 19650033 Site Code: Nat Priority List: NO Acres: NONE SPECIFIED Special Program: Funding: NOT APPLICABLE Assembly District: 41 Senate District: 25 School District: APN: Cleanup Status: Cleanup Oversight Agencies: Site Type: Office: Past Use that Caused Contam: Potential Media Affected: Potential Contamin of Concern: </div> <div> Permit Renewal Lead: Project Manager: Supervisor: Public Partici Spclst: Census Tract: 6037464000 County: LOS ANGELES Latitude: 34.1333195857677 Longitude: -118.149221922339 NONE SPECIFIED REFER: 1248 LOCAL AGENCY AS OF 12/16/2003 NONE SPECIFIED EVALUATION CLEANUP CYPRESS NONE SPECIFIED NONE SPECIFIED NONE SPECIFIED </div> </div>						
<div> Site History: </div>						
<div> <div> Status: Program Type: CalEnviroScreen Score: Summary Link: </div> <div> REFER: 1248 LOCAL AGENCY EVALUATION 16-20% http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=19650033 </div> </div>						
99	1 of 3	S	0.19 / 1,011.72	776.04 / -18	MIKE WARD 14-413 733 S. ARROYO PARKWAY PASADENA CA 91101	HHSS
<div> County: Pdf File Url: </div>						
99	2 of 3	S	0.19 / 1,011.72	776.04 / -18	733 S ARROYO PKWY PASADENA CA 91101	LA HMS
<div> <div> Site No: 009571 Area: 3J </div> <div> --Details-- File No: 009391 File Name: MIKE WARD MOBIL SERVIC STATION Status Code: REM Status Desc: Equipment Removed Permit No: 00000475T Permit Category: T Permit Category Desc: Underground Storage Tank Permit Status Code: REM Permit Status Desc: Equipment Removed Permit Type: 0 Permit Type Desc: Underground Storage Tank Operating Permit </div> </div>						

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
99	3 of 3	S	0.19 / 1,011.72	776.04 / -18	MIKE WARD #14-413 733 S. ARROYO PARKWAY PASADENA CA	HIST TANK
Owner Name:		MOBIL OIL CORPORATION		No of Containers:		4
Owner Street:		612 SOUTH FLOWER STREET		County:		LOS ANGELES
Owner City:		LOS ANGELES		Facility State:		CA
Owner State:		CA		Facility Zip:		91101
Owner Zip:		90017				
100	1 of 1	NNW	0.19 / 1,015.14	816.01 / 22	Greenlots - 43105 260 S Raymond Ave Pasadena CA 91105	ALT FUELS
ID:		99097		Dt Last Confirmed:		2019-01-04
Fuel Type Code:		ELEC: Electric		Expected Date:		
Status:		Open: The station is open.		Updated at:		2019-01-04 10:39:43 UTC
Open Date:				Station Phone:		855-900-7584
Federal Agency ID:				NG Vehicle Class:		
Federal Agency:				BD Blends:		
Fed Agency Name:				NG Fill Type Code:		
Owner Type Desc:				NG PSI:		
Latitude:		34.1413803100586				
Longitude:		-118.148498535156				
Geocode Status Desc:		The location is from a real GPS readout at the station.				
Intersection Directions:						
LPG Primary Desc:						
Hydrogen Status Link:						
LPG Primary:						
E85 Blender Pump:						
E85 Blender Pump Desc:						
NG Fill Type Desc:						
NG V Class Desc:						
Hydrogen is Retail:						
101	1 of 2	SSW	0.20 / 1,032.42	780.14 / -13	EXPRESS CLEANERS 700 S FAIR OAKS AVE PASADENA CA 911052618	DRYCLEANERS
EPA ID:		CAL000013440		Owner Phone:		0000000000
Create Date:		11/14/1989		Owner Fax:		0000000000
Facility Act Ind:		No		Contact Name:		MARY LOU MERCHAIN
Inact Date:		6/30/2005		Contact Street 1:		700 FAIR OAKS AVE STE H
Reason:		Cleaners		Contact Street 2:		
County Name:		Los Angeles		Contact City:		S PASADENA
Region Code:		3		Contact State:		CA
Owner Name:		THOMAS NG		Contact Zip:		910302681
Owner Street 1:		7060 MOBE AVE		Contact Phone:		0000000000
Owner Street 2:				Mail Name:		
Owner City:		N HOLLYWOOD		DD Latitude:		
Owner State:		CA		DD Longitude:		
Owner Zip:		000000000				
101	2 of 2	SSW	0.20 / 1,032.42	780.14 / -13	EXPRESS CLEANERS 700 S FAIR OAKS AVE UNIT H SOUTH PASADENA CA 91030	EMISSIONS
<u>2015 Toxic Data</u>						
Facility ID:		121264		COID:		LA
Facility SIC Code:		7216		DISN:		SOUTH COAST AQMD

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
CO: 19 CHAPIS: Air Basin: SC CERR Code: District: SC TS: Health Risk Asmt: Non-Cancer Chronic Haz Ind: Non-Cancer Acute Haz Ind:						
2016 Toxic Data						
Facility ID: 121264 TS: Facility SIC Code: 7216 HRA: CERR CODE: CH Index: COID: LA AH Index: CO: 19 Air Basin: SC DISN: SOUTH COAST AQMD District: SC CHAPIS:						
102	1 of 1	SSW	0.20 / 1,041.21	773.42 / -20	CAL LIQUID FERTILIZER CO INC 745-801 S RAYMOND AV PASADENA CA 91102	EMISSIONS
1987 Criteria Data						
Facility ID: 5527 CERR Code: Facility SIC Code: 2873 TOGT: CO: 19 ROGT: Air Basin: SC COT: District: SC NOXT: COID: LA SOXT: DISN: SOUTH COAST AQMD PMT: .2 CHAPIS: PM10T: .18						
1987 Toxic Data						
Facility ID: 5527 COID: LA Facility SIC Code: 2873 DISN: SOUTH COAST AQMD CO: 19 CHAPIS: Air Basin: SC CERR Code: District: SC TS: Health Risk Asmt: Non-Cancer Chronic Haz Ind: Non-Cancer Acute Haz Ind:						
103	1 of 1	SW	0.20 / 1,061.38	789.35 / -4	HUNTINGTON MEMORIAL HOSPITAL 100 WEST CALIFORNIA BLVD. Pasadena CA 91105	DELISTED TNK
Facility ID: 19-080-000583 Latitude: 34.134988 County: Los Angeles Longitude: -118.151404 Permitting Agency: PASADENA, CITY OF Original Source: UST Record Date: 30-JAN-2017						
104	1 of 1	NW	0.21 / 1,091.64	810.37 / 17	CUTLER AUTOMOTIVE 38 WAVERLY DR PASADENA CA 91105	RCRA SQG

EPA Handler ID: CAD983663196

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Gen Status Universe:		Small Quantity Generator				
Contact Name:		BOB CUTLER				
Contact Address:		38 WAVERLY DR , , PASADENA , CA, 91105 , US				
Contact Phone No and Ext:		818-577-9906				
Contact Email:						
Contact Country:		US				
County Name:		LOS ANGELES				
EPA Region:		09				
Land Type:		Private				
Receive Date:		19930326				

Violation/Evaluation Summary

Note: NO RECORDS: As of Dec 2018, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 19930326
Handler Name: CUTLER AUTOMOTIVE
Generator Status Universe: Small Quantity Generator
Source Type: Notification

Owner/Operator Details

Owner/Operator Ind:	Current Owner	Street No:	
Type:	Private	Street 1:	38 WAVERLY DR
Name:	BOB CUTLER	Street 2:	
Date Became Current:		City:	PASADENA
Date Ended Current:		State:	CA
Phone:	818-577-9906	Country:	
Source Type:	Notification	Zip Code:	91105

105	1 of 5	NNW	0.21 / 1,091.70	814.83 / 21	MARCHACK & MARCHACK DDS 301 S FAIR OAKS AVE STE 408 PASADENA CA 91105-2562	RCRA NON GEN
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EPA Handler ID: CAL000178118
Gen Status Universe: No Report
Contact Name: ALEX GARCIA
Contact Address: 566 EL DORADO STREET , SUITE 200 , PASADENA , CA, 91101 ,
Contact Phone No and Ext: 626-793-6700
Contact Email: ALEX@PASADENAPROSTHODONTICS.COM
Contact Country:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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County Name:	LOS ANGELES
EPA Region:	09
Land Type:	
Receive Date:	19960418

Violation/Evaluation Summary

Note:	NO RECORDS: As of Dec 2018, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).
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Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	Yes
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	19960418
Handler Name:	MARCHACK & MARCHACK DDS
Generator Status Universe:	No Report
Source Type:	Implementer

Owner/Operator Details

Owner/Operator Ind:	Current Owner	Street No:	
Type:	Other	Street 1:	566 EL DORADO STREET
Name:	BALDWIN W MARCHACK DDS INC	Street 2:	SUITE 200
Date Became Current:		City:	PASADENA
Date Ended Current:		State:	CA
Phone:	626-793-6700	Country:	
Source Type:	Implementer	Zip Code:	91101-2506

Owner/Operator Ind:	Current Operator	Street No:	
Type:	Other	Street 1:	566 EL DORADO STREET
Name:	ALEX GARCIA	Street 2:	SUITE 200
Date Became Current:		City:	PASADENA
Date Ended Current:		State:	CA
Phone:	626-793-6700	Country:	
Source Type:	Implementer	Zip Code:	91101

105	2 of 5	NNW	0.21 / 1,091.70	814.83 / 21	PAUL P. SHINTO, D.D.S., INC. 301 S FAIR OAKS AVE STE 205 PASADENA CA 91105-2536	RCRA NON GEN
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EPA Handler ID:	CAL000299522
Gen Status Universe:	No Report
Contact Name:	PAUL P SHINTO
Contact Address:	301 SOUTH FAIR OAKS AVE #205 , , PASADENA , CA, 91105 ,
Contact Phone No and Ext:	626-796-8904

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Contact Email: PWEEVEE@AOL.COM
Contact Country:
County Name: LOS ANGELES
EPA Region: 09
Land Type:
Receive Date: 20051014

Violation/Evaluation Summary

Note: NO RECORDS: As of Dec 2018, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: Yes
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20051014
Handler Name: PAUL P. SHINTO, D.D.S., INC.
Generator Status Universe: No Report
Source Type: Implementer

Owner/Operator Details

Owner/Operator Ind: Current Operator	Street No:
Type: Other	Street 1: 301 SOUTH FAIR OAKS AVE #205
Name: PAUL P SHINTO	Street 2:
Date Became Current:	City: PASADENA
Date Ended Current:	State: CA
Phone: 626-796-8904	Country:
Source Type: Implementer	Zip Code: 91105
Owner/Operator Ind: Current Owner	Street No:
Type: Other	Street 1: 301 S FAIR OAKS AVE STE 205
Name: PAUL P SHINTO DDS	Street 2:
Date Became Current:	City: PASADENA
Date Ended Current:	State: CA
Phone: 626-796-8904	Country:
Source Type: Implementer	Zip Code: 91105-2536

105	3 of 5	NNW	0.21 / 1,091.70	814.83 / 21	SONA ASATRYAN DDS 301 S FAIR OAKS AVE STE 206 PASADENA CA 91105-2536	RCRA NON GEN
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EPA Handler ID: CAL000412923
Gen Status Universe: No Report
Contact Name: JASMIN GHOLIAN

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Contact Address: 301 S FAIR OAKS AVE STE 206 , , PASADENA , CA, 91105-2536 ,
Contact Phone No and Ext: 626-431-2654
Contact Email:
Contact Country:
County Name: LOS ANGELES
EPA Region: 09
Land Type:
Receive Date: 20151204

Violation/Evaluation Summary

Note: NO RECORDS: As of Dec 2018, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: Yes
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20151204
Handler Name: SONA ASATRYAN DDS
Generator Status Universe: No Report
Source Type: Implementer

Owner/Operator Details

Owner/Operator Ind: Current Owner	Street No:
Type: Other	Street 1: 301 S FAIR OAKS AVE STE 206
Name: SONA ASATRYAN DDS	Street 2:
Date Became Current:	City: PASADENA
Date Ended Current:	State: CA
Phone: 626-431-2654	Country:
Source Type: Implementer	Zip Code: 91105-2536
Owner/Operator Ind: Current Operator	Street No:
Type: Other	Street 1: 301 S FAIR OAKS AVE STE 206
Name: JASMIN GHOLIAN	Street 2:
Date Became Current:	City: PASADENA
Date Ended Current:	State: CA
Phone: 626-431-2654	Country:
Source Type: Implementer	Zip Code: 91105-2536

[105](#)

4 of 5

NNW

0.21 /
1,091.70

814.83 /
21

HEALTHCARE PARTNERS
 301 S FAIR OAKS AVE
 PASADENA CA 91105

RCRA
NON GEN

EPA Handler ID: CAL000409232

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Gen Status Universe:		No Report				
Contact Name:		LUIS DIAZ				
Contact Address:		2175 PARK PLACE , , EL SEGUNDO , CA, 90245-0000 ,				
Contact Phone No and Ext:		310-354-4289				
Contact Email:		LDGARCIA@HEALTHCAREPARTNERS.COM				
Contact Country:						
County Name:		LOS ANGELES				
EPA Region:		09				
Land Type:						
Receive Date:		20150812				

Violation/Evaluation Summary

Note: NO RECORDS: As of Dec 2018, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: Yes
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20150812
Handler Name: HEALTHCARE PARTNERS
Generator Status Universe: No Report
Source Type: Implementer

Owner/Operator Details

Owner/Operator Ind:	Current Owner	Street No:	
Type:	Other	Street 1:	2175 PARK PLACE
Name:	HEALTHCARE PARTNERS LLC	Street 2:	
Date Became Current:		City:	EL SEGUNDO
Date Ended Current:		State:	CA
Phone:	310-354-4289	Country:	
Source Type:	Implementer	Zip Code:	90245-0000

Owner/Operator Ind:	Current Operator	Street No:	
Type:	Other	Street 1:	2175 PARK PLACE
Name:	LUIS DIAZ	Street 2:	
Date Became Current:		City:	EL SEGUNDO
Date Ended Current:		State:	CA
Phone:	310-354-4289	Country:	
Source Type:	Implementer	Zip Code:	90245-0000

105	5 of 5	NNW	0.21 / 1,091.70	814.83 / 21	JACK S BROUSSARD JR DDS 301 S FAIR OAKS AVE STE 204 PASADENA CA 91105-0000	RCRA NON GEN
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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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EPA Handler ID:	CAL000211952
Gen Status Universe:	No Report
Contact Name:	DR BROUSSARD
Contact Address:	301 S FAIR OAKS AVE STE 204 , , PASADENA , CA, 91105 ,
Contact Phone No and Ext:	626-796-3161
Contact Email:	JBROUSSA@SBCGLOBAL.NET
Contact Country:	
County Name:	LOS ANGELES
EPA Region:	09
Land Type:	
Receive Date:	19991206

Violation/Evaluation Summary

Note:	NO RECORDS: As of Dec 2018, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).
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Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	Yes
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	19991206
Handler Name:	JACK S BROUSSARD JR DDS
Generator Status Universe:	No Report
Source Type:	Implementer

Owner/Operator Details

Owner/Operator Ind:	Current Owner	Street No:	
Type:	Other	Street 1:	301 S FAIR OAKS AVE STE 204
Name:	DR JACK S BROUSSARD	Street 2:	
Date Became Current:		City:	PASADENA
Date Ended Current:		State:	CA
Phone:	626-796-3161	Country:	
Source Type:	Implementer	Zip Code:	91105-0000
Owner/Operator Ind:	Current Operator	Street No:	
Type:	Other	Street 1:	301 S FAIR OAKS AVE STE 204
Name:	DR BROUSSARD	Street 2:	
Date Became Current:		City:	PASADENA
Date Ended Current:		State:	CA
Phone:	626-796-3161	Country:	
Source Type:	Implementer	Zip Code:	91105

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
			1,097.49	34	ROOM 280 E DEL MAR BLVD PASADENA CA 911012770	
EPA ID: CAC002822453 Create Date: 7/17/2015 11:29:13 AM Facility Act Ind: No Inact Date: 10/16/2015 11:29:13 AM Reason: DRY County Name: Los Angeles Region Code: 3 Owner Name: ESSEX PROPERTY TRUST Owner Street 1: 17461 DERIAN AVE Owner Street 2: Owner City: IRVINE Owner State: CA Owner Zip: 92614				Owner Phone: 9492229169 Owner Fax: Contact Name: JOE YOKOFICH Contact Street 1: 17461 DERIAN AVE Contact Street 2: Contact City: IRVINE Contact State: CA Contact Zip: 92614 Contact Phone: 8053588312 Mail Name: DD Latitude: DD Longitude:		

106	2 of 4	NE	0.21 / 1,097.49	827.79 / 34	THE HALLIE 280 E DEL MAR BLVD PASADENA CA 91101	RCRA NON GEN
EPA Handler ID: CAC002967385 Gen Status Universe: No Report Contact Name: GARCIA, CHRIS Contact Address: 280 E DEL MAR BLVD , , PASADENA , CA, 91101 , Contact Phone No and Ext: 818-618-7801 Contact Email: ANDREW@PWSEI.COM Contact Country: County Name: LOS ANGELES EPA Region: 09 Land Type: Receive Date: 20180620						

Violation/Evaluation Summary

Note: NO RECORDS: As of Dec 2018, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: Yes
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20180620
Handler Name: THE HALLIE
Generator Status Universe: No Report
Source Type: Implementer

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Owner/Operator Details

Owner/Operator Ind:	Current Owner	Street No:	
Type:	Other	Street 1:	280 E DEL MAR BLVD
Name:	GARCIA, CHRIS	Street 2:	
Date Became Current:		City:	PASADENA
Date Ended Current:		State:	CA
Phone:	818-618-7801	Country:	
Source Type:	Implementer	Zip Code:	91101

Owner/Operator Ind:	Current Operator	Street No:	
Type:	Other	Street 1:	280 E DEL MAR BLVD
Name:	GARCIA, CHRIS	Street 2:	
Date Became Current:		City:	PASADENA
Date Ended Current:		State:	CA
Phone:	818-618-7801	Country:	
Source Type:	Implementer	Zip Code:	91101

106	3 of 4	NE	0.21 / 1,097.49	827.79 / 34	ESSEX PROPERTY TRUST - MONTERRA DEL MAR 280 E DEL MAR PASADENA CA 91105	RCRA NON GEN
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EPA Handler ID:	CAC002976047
Gen Status Universe:	No Report
Contact Name:	JOE YOKOFICH
Contact Address:	17461 DERIAN AVE , , IRVINE , CA, 92614 ,
Contact Phone No and Ext:	805-358-8312
Contact Email:	JYOKOFICH@ESSEXPROPERTYTRUST.COM
Contact Country:	
County Name:	LOS ANGELES
EPA Region:	09
Land Type:	
Receive Date:	20180816

Violation/Evaluation Summary

Note: NO RECORDS: As of Dec 2018, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	20180816

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Handler Name: ESSEX PROPERTY TRUST - MONTERRA DEL MAR
Generator Status Universe: No Report
Source Type: Implementer

Owner/Operator Details

Owner/Operator Ind:	Current Owner	Street No:	
Type:	Other	Street 1:	17461 DERIAN AVE
Name:	ESSEX PROPERTY TRUST	Street 2:	
Date Became Current:		City:	IRVINE
Date Ended Current:		State:	CA
Phone:	805-358-8312	Country:	
Source Type:	Implementer	Zip Code:	92614

Owner/Operator Ind:	Current Operator	Street No:	
Type:	Other	Street 1:	17461 DERIAN AVE
Name:	JOE YOKOFICH	Street 2:	
Date Became Current:		City:	IRVINE
Date Ended Current:		State:	CA
Phone:	805-358-8312	Country:	
Source Type:	Implementer	Zip Code:	92614

106	4 of 4	NE	0.21 / 1,097.49	827.79 / 34	THE HALLIE 280 E. DELMAR BLVD PASADENA CA 91101	RCRA NON GEN
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EPA Handler ID: CAC002973653
Gen Status Universe: No Report
Contact Name: GARCIA, CHRIS
Contact Address: 280 E. DELMAR BLVD , , PASADENA , CA, 91101 ,
Contact Phone No and Ext: 818-618-7801
Contact Email: ANDREW@PWSEI.COM
Contact Country:
County Name: LOS ANGELES
EPA Region: 09
Land Type:
Receive Date: 20180801

Violation/Evaluation Summary

Note: NO RECORDS: As of Dec 2018, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: Yes
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Sequence No: 1
Receive Date: 20180801
Handler Name: THE HALLIE
Generator Status Universe: No Report
Source Type: Implementer

Owner/Operator Details

Owner/Operator Ind: Current Operator
Type: Other
Name: GARCIA, CHRIS
Date Became Current:
Date Ended Current:
Phone: 818-618-7801
Source Type: Implementer

Street No:
Street 1: 280 E. DELMAR BLVD
Street 2:
City: PASADENA
State: CA
Country:
Zip Code: 91101

Owner/Operator Ind: Current Owner
Type: Other
Name: GARCIA, CHRIS
Date Became Current:
Date Ended Current:
Phone: 818-618-7801
Source Type: Implementer

Street No:
Street 1: 280 E. DELMAR BLVD
Street 2:
City: PASADENA
State: CA
Country:
Zip Code: 91101

[107](#)

1 of 1

WNW

0.21 /
1,127.69

805.55 /
12

CAD BLU, INC.
64 WEST BELLEVUE DRIVE
PASADENA CA 91105

RCRA
NON GEN

EPA Handler ID: CAC002971454
Gen Status Universe: No Report
Contact Name: LUCY TREVINO
Contact Address: 64 WEST BELLEVUE DRIVE , , PASADENA , CA, 91105 ,
Contact Phone No and Ext: 818-303-1766
Contact Email: JOECHEMIST@HOTMAIL.COM
Contact Country:
County Name: LOS ANGELES
EPA Region: 09
Land Type:
Receive Date: 20180718

Violation/Evaluation Summary

Note: NO RECORDS: As of Dec 2018, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: Yes
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20180718
Handler Name: CAD BLU, INC.
Generator Status Universe: No Report
Source Type: Implementer

Owner/Operator Details

Owner/Operator Ind:	Current Operator	Street No:	
Type:	Other	Street 1:	64 WEST BELLEVUE DRIVE
Name:	LUCY TREVINO	Street 2:	
Date Became Current:		City:	PASADENA
Date Ended Current:		State:	CA
Phone:	818-303-1766	Country:	
Source Type:	Implementer	Zip Code:	91105

Owner/Operator Ind:	Current Owner	Street No:	
Type:	Other	Street 1:	64 WEST BELLEVUE DRIVE
Name:	LUCY TREVINO	Street 2:	
Date Became Current:		City:	PASADENA
Date Ended Current:		State:	CA
Phone:	818-303-1766	Country:	
Source Type:	Implementer	Zip Code:	91105

108	1 of 1	SSW	0.21 / 1,128.25	779.71 / -14	HUNTINGTON EXTENDED CARE 716 S FAIR OAKS AVE PASADENA CA 91105	RCRA SQG
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EPA Handler ID: CAD983634676
Gen Status Universe: Small Quantity Generator
Contact Name: PETER STONG
Contact Address: 716 S FAIR OAKS AVE , , PASADENA , CA, 91105 , US
Contact Phone No and Ext: 818-397-3322
Contact Email:
Contact Country: US
County Name: LOS ANGELES
EPA Region: 09
Land Type: Private
Receive Date: 19920501

Violation/Evaluation Summary

Note: NO RECORDS: As of Dec 2018, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<u>Hazardous Waste Handler Details</u>						
Sequence No:	1					
Receive Date:	19920501					
Handler Name:	HUNTINGTON EXTENDED CARE					
Generator Status Universe:	Small Quantity Generator					
Source Type:	Notification					
<u>Owner/Operator Details</u>						
Owner/Operator Ind:	Current Owner				Street No:	
Type:	Private				Street 1:	100 W CALIFORNIA
Name:	PASADENA HOSPITAL ASSOC				Street 2:	
Date Became Current:					City:	PASADENA
Date Ended Current:					State:	CA
Phone:	818-397-5000				Country:	
Source Type:	Notification				Zip Code:	91105
109	1 of 4	WNW	0.21 / 1,129.14	805.85 / 12	RUSH PHARMACY 67 WEST BELLEVUE DRIVE PASADENA CA 91105	HHSS
County:	Los Angeles					
Pdf File Url:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002674d.pdf					
109	2 of 4	WNW	0.21 / 1,129.14	805.85 / 12	67 W BELLEVUE DR PASADENA CA 91105	LA HMS
Site No:	011385					
Area:	3J					
<u>--Details--</u>						
File No:	011422					
File Name:	RUSH PHARMACY					
Status Code:	REM					
Status Desc:	Equipment Removed					
Permit No:	00002948T					
Permit Category:	T					
Permit Category Desc:	Underground Storage Tank					
Permit Status Code:	REM					
Permit Status Desc:	Equipment Removed					
Permit Type:	0					
Permit Type Desc:	Underground Storage Tank Operating Permit					
109	3 of 4	WNW	0.21 / 1,129.14	805.85 / 12	RUSH PHARMACY 67 WEST BELLEVUE DRIVE PASADENA CA	HIST TANK
Owner Name:	BEVERLY ENTERPRISES				No of Containers:	1
Owner Street:	873 S FAIR OAKS AVE.				County:	LOS ANGELES
Owner City:	PASADENA				Facility State:	CA
Owner State:	CA				Facility Zip:	91105
Owner Zip:	91105					
109	4 of 4	WNW	0.21 / 1,129.14	805.85 / 12	CONVERSE ENVIROLAB 67 W BELLEVUE DR PASADENA CA 91105	RCRA SQG

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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EPA Handler ID: CAD981980642
Gen Status Universe: Small Quantity Generator
Contact Name: ENVIRONMENTAL MANAGER
Contact Address: 67 W BELLEVUE DR , , PASADENA , CA, 91105 , US
Contact Phone No and Ext: 818-796-8200
Contact Email:
Contact Country: US
County Name: LOS ANGELES
EPA Region: 09
Land Type:
Receive Date: 19870413

Violation/Evaluation Summary

Note: NO RECORDS: As of Dec 2018, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 19870413
Handler Name: CONVERSE ENVIROLAB
Generator Status Universe: Small Quantity Generator
Source Type: Notification

Owner/Operator Details

Owner/Operator Ind:	Current Operator	Street No:	
Type:	Private	Street 1:	NOT REQUIRED
Name:	NOT REQUIRED	Street 2:	
Date Became Current:		City:	NOT REQUIRED
Date Ended Current:		State:	ME
Phone:	415-555-1212	Country:	
Source Type:	Notification	Zip Code:	99999
Owner/Operator Ind:	Current Owner	Street No:	
Type:	Private	Street 1:	NOT REQUIRED
Name:	CONVERSE ENVIROLAB	Street 2:	
Date Became Current:		City:	NOT REQUIRED
Date Ended Current:		State:	ME
Phone:	415-555-1212	Country:	
Source Type:	Notification	Zip Code:	99999

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
			1,130.47	-17	RENTAL 750 S. ARROYO PARKWAY PASADENA CA 91105	

County: Los Angeles
 Pdf File Url: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00026872.pdf>

110	2 of 3	S	0.21 / 1,130.47	776.21 / -17	750 S ARROYO PKWY PASADENA CA 91105	LA HMS
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Site No: 011222
 Area: 3J

--Details--

File No: 011239
 File Name: BUDGET CAR & TRUCK RENTAL
 Status Code: REM
 Status Desc: Equipment Removed
 Permit No: 00002766T
 Permit Category: T
 Permit Category Desc: Underground Storage Tank
 Permit Status Code: REM
 Permit Status Desc: Equipment Removed
 Permit Type: 0
 Permit Type Desc: Underground Storage Tank Operating Permit

110	3 of 3	S	0.21 / 1,130.47	776.21 / -17	BUDGET CAR & TRUCK RENTAL 750 S. ARROYO PARKWAY PASADENA CA	HIST TANK
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Owner Name:	BUDGET CAR & TRUCK RENTAL	No of Containers:	1
Owner Street:	125 S. VINEYARD	County:	LOS ANGELES
Owner City:	ONTARIO	Facility State:	CA
Owner State:	CA	Facility Zip:	91105
Owner Zip:	91761		

111	1 of 1	SSW	0.22 / 1,135.45	779.40 / -14	FAIR OAKS GAS 718 S FAIR OAKS AVE SOUTH PASADENA CA 91030	CERS TANK
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Site ID: 29442
 Latitude: 34.117080
 Longitude: -118.149900

Regulated Programs

EI ID: 10292551
 EI Description: Chemical Storage Facilities

EI ID: 10292551
 EI Description: Hazardous Waste Generator

EI ID: 10292551
 EI Description: Underground Storage Tank

Affiliations

Affil Type Desc: Parent Corporation
 Entity Name: FAIR OAKS GAS

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<hr/>						
Entity Title:						
Address:						
City:						
State:						
Country:						
Zip Code:						
Phone:						
Affil Type Desc:		Operator				
Entity Name:		VREZH AKOPYAN				
Entity Title:						
Address:						
City:						
State:						
Country:						
Zip Code:						
Phone:		(818) 974-8724				
Affil Type Desc:		UST Tank Operator				
Entity Name:		VREZH AKOPYAN				
Entity Title:						
Address:		718 S FAIR OAKS AVE				
City:		SOUTH PASADENA				
State:		CA				
Country:		United States				
Zip Code:		91030				
Phone:		(818) 624-8274				
Affil Type Desc:		UST Property Owner Name				
Entity Name:		NAZ MANOUKYAN				
Entity Title:						
Address:		718 S FAIR OAKS AVE				
City:		SOUTH PASADENA				
State:		CA				
Country:		United States				
Zip Code:		91030				
Phone:		(818) 624-8274				
Affil Type Desc:		CUPA District				
Entity Name:		Los Angeles County Fire				
Entity Title:						
Address:		5825 Rickenbacker Road				
City:		Commerce				
State:		CA				
Country:						
Zip Code:		90040-3027				
Phone:		(323) 890-4045				
Affil Type Desc:		UST Permit Applicant				
Entity Name:		VREZH APOKYAN				
Entity Title:		OWNER				
Address:						
City:						
State:						
Country:						
Zip Code:						
Phone:		(818) 624-8274				
Affil Type Desc:		Legal Owner				
Entity Name:		FAIR OAKS GAS INC				
Entity Title:						
Address:		718 FAIR OAKS AVE				
City:		SOUTH PASADENA				
State:		CA				
Country:		United States				
Zip Code:		91030				
Phone:		(818) 624-8274				
Affil Type Desc:		Identification Signer				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<hr/>						
Entity Name:		VREZH AKOPYAN				
Entity Title:		OWNER				
Address:						
City:						
State:						
Country:						
Zip Code:						
Phone:						
Affil Type Desc:		UST Tank Owner				
Entity Name:		NAZ MANOUKYAN				
Entity Title:						
Address:		718 S FAIR OAKS AVE				
City:		SOUTH PASADENA				
State:		CA				
Country:		United States				
Zip Code:		91030				
Phone:		(818) 624-8274				
Affil Type Desc:		Document Preparer				
Entity Name:		VREZH AKOPYAN				
Entity Title:						
Address:						
City:						
State:						
Country:						
Zip Code:						
Phone:						
Affil Type Desc:		Environmental Contact				
Entity Name:		SHEN & ASSOCIATES				
Entity Title:						
Address:		20628 ARROW HWY #H				
City:		COVINA				
State:		CA				
Country:						
Zip Code:		91724				
Phone:		(818) 231-9456				
Affil Type Desc:		Facility Mailing Address				
Entity Name:		Mailing Address				
Entity Title:						
Address:		718 S FAIR OAKS AVE				
City:		SOUTH PASADENA				
State:		CA				
Country:						
Zip Code:		91030				
Phone:						

Evaluations

Eval Date: 9/15/2015
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Los Angeles County Department of Public Works
Eval Program: UST
Eval Source: CERS
Eval Notes:

NOTICE ISSUED FOR DISCREPANCIES IN CERS DATABASE. SUMPS AND UDC'S CLEAN/DRY, SENSORS AT LOWEST POINTS AND CORRECT, V/R STATING ALL OK; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 9/18/2017
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Eval Division:	Los Angeles County Fire Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval Notes:	

Vrezh Akopyan; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date:	9/24/2014
Violations Found:	Yes
Eval General Type:	Compliance Evaluation Inspection
Eval Type:	Routine done by local agency
Eval Division:	Los Angeles County Department of Public Works
Eval Program:	UST
Eval Source:	CERS
Eval Notes:	

SENSOR IN PLACE; SPBKS/UDCS/SUMPS CLEAN/DRY. CTLS LAST DONE 9/19/13-LATE; SCTR SENT LATE; OSDO NEED UPDATING, OTHE DOCS/CERT CURRENT; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date:	5/17/2018
Violations Found:	Yes
Eval General Type:	Compliance Evaluation Inspection
Eval Type:	Routine done by local agency
Eval Division:	Los Angeles County Department of Public Works
Eval Program:	UST
Eval Source:	CERS
Eval Notes:	

NOVC ISSUED FOR NOT SUBMITTING 15,16,17 CTLS,15 SB989;WORK ORDER REQ FOR SB989 FAILURE REPAIRS;CERS SUB FROM 052318 ACCEPTED.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date:	9/18/2017
Violations Found:	No
Eval General Type:	Compliance Evaluation Inspection
Eval Type:	Routine done by local agency
Eval Division:	Los Angeles County Fire Department
Eval Program:	HW
Eval Source:	CERS
Eval Notes:	

; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date:	7/10/2014
Violations Found:	No
Eval General Type:	Compliance Evaluation Inspection
Eval Type:	Routine done by local agency
Eval Division:	Los Angeles County Fire Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval Notes:	

; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date:	9/14/2018
Violations Found:	Yes
Eval General Type:	Compliance Evaluation Inspection
Eval Type:	Routine done by local agency
Eval Division:	Los Angeles County Department of Public Works
Eval Program:	UST
Eval Source:	CERS
Eval Notes:	

NOVC ISSUED FOR FAILURE TO SUBMIT 2015-2017 CTLS,2015 SB989,ERROR ON CERS,VISUAL FAIL ON SB989 09/13/18.87&91 STP SUMPS,W/OIL SPBK FAILED; Note: data in [EVAL Notes] field for some records is truncated from the source.

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Eval Date:	9/13/2016
Violations Found:	Yes
Eval General Type:	Compliance Evaluation Inspection
Eval Type:	Routine done by local agency
Eval Division:	Los Angeles County Department of Public Works
Eval Program:	UST
Eval Source:	CERS
Eval Notes:	

NOVC ISSUED FOR CERS CORRECTIONS, SUBMITTING 2015 CTLS, 2015 SB989 & STATEMENT ON HOW W/OIL SUMP PASSED IN 2015 IF AP58 IS PENDING APPROV; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date:	7/10/2014
Violations Found:	No
Eval General Type:	Compliance Evaluation Inspection
Eval Type:	Routine done by local agency
Eval Division:	Los Angeles County Fire Department
Eval Program:	HW
Eval Source:	CERS
Eval Notes:	

; Note: data in [EVAL Notes] field for some records is truncated from the source.

Violations

Violation Date:	5/17/2018	Violation Program:	UST
Violation Division:	Los Angeles County Department of Public Works	Violation Source:	CERS
Citation:	23 CCR 16 2715(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(i)		
Violation Notes:			

; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to have a properly qualified service technician test leak detection equipment as required every 12 months (vapor, pressure, hydrostatic (VPH) system, sensors, line-leak detectors (LLD), automatic tank gauge (ATG), etc.).

Violations

Violation Date:	9/15/2015	Violation Program:	UST
Violation Division:	Los Angeles County Department of Public Works	Violation Source:	CERS
Citation:	HSC 6.7 25299 - California Health and Safety Code, Chapter 6.7, Section(s) 25299		
Violation Notes:			

Returned to compliance on 05/24/2018.; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to comply with one or more of the operating permit conditions.

Violations

Violation Date:	9/13/2016	Violation Program:	UST
Violation Division:	Los Angeles County Department of Public Works	Violation Source:	CERS
Citation:	23 CCR 16 2712 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712		
Violation Notes:			

; Note: data in [Violation Notes] field for some records is truncated from the source.

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Violation Description:

Failure to comply with any of the applicable requirements of the permit issued for the operation of the UST system.

Violations

Violation Date: 5/17/2018
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS
Citation: 23 CCR 16 2638(d) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2638(d)
Violation Notes:

; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to submit the Annual Monitoring System Certification Form to the UPA within 30 days of completion of the test.

Violations

Violation Date: 9/15/2015
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS
Citation: HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34
Violation Notes:

Returned to compliance on 05/24/2018.; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.

Violations

Violation Date: 9/13/2016
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS
Citation: 23 CCR 16 2638(d) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2638(d)
Violation Notes:

; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to submit the Annual Monitoring System Certification Form to the CUPA within 30 days of completion of the test.

Violations

Violation Date: 9/24/2014
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS
Citation: 23 CCR 16 2637(e) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2637(e)
Violation Notes:

Returned to compliance on 12/05/2014.; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to submit a copy of the secondary containment test results to the CUPA within 30 days after the test.

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Violations

Violation Date:	9/13/2016	Violation Program:	UST
Violation Division:	Los Angeles County Department of Public Works	Violation Source:	CERS
Citation:	23 CCR 16 2641(h) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(h)		
Violation Notes:			

; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to have an approved UST Monitoring Plan.

Violations

Violation Date:	9/13/2016	Violation Program:	UST
Violation Division:	Los Angeles County Department of Public Works	Violation Source:	CERS
Citation:	23 CCR 16 2637 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2637		
Violation Notes:			

; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to conduct secondary containment testing, or one or more of the following requirements:
Perform the test within six months of installation and every 36 months thereafter. Use a procedure that demonstrates the system works as well as at installation. Use applicable manufacturer guidelines, industry codes, engineering standard, or professional engineer approval. Performed by a certified service technician or a licensed tank tester.

Violations

Violation Date:	9/13/2018	Violation Program:	UST
Violation Division:	Los Angeles County Department of Public Works	Violation Source:	CERS
Citation:	23 CCR 16 2638(d) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2638(d)		
Violation Notes:			

; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to submit the Annual Monitoring System Certification Form to the UPA within 30 days of completion of the test.

Violations

Violation Date:	5/17/2018	Violation Program:	UST
Violation Division:	Los Angeles County Department of Public Works	Violation Source:	CERS
Citation:	HSC 6.7 25284.2 - California Health and Safety Code, Chapter 6.7, Section(s) 25284.2		
Violation Notes:			

; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to test the spill bucket annually.

Violations

Violation Date:	9/13/2016	Violation Program:	UST
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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Violation Division:	Los Angeles County Department of Public Works	Violation Source:	CERS
Citation:	23 CCR 6.7 25284, 25286 - California Code of Regulations, Title 23, Chapter 6.7, Section(s) 25284, 25286		
Violation Notes:			

; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to submit a complete and accurate application for a permit to operate a UST, or for renewal of the permit.

Violations

Violation Date:	9/13/2018	Violation Program:	UST
Violation Division:	Los Angeles County Department of Public Works	Violation Source:	CERS
Citation:	23 CCR 16 2637(e) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2637(e)		
Violation Notes:			

; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to submit a copy of the secondary containment test results to the UPA within 30 days after the test.

Violations

Violation Date:	9/15/2015	Violation Program:	UST
Violation Division:	Los Angeles County Department of Public Works	Violation Source:	CERS
Citation:	23 CCR 16 2715(a) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(a)		
Violation Notes:			

Returned to compliance on 05/24/2018.; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

The owner/operator has failed to designate an UST operator or to inform the CUPA or any change in the designated UST operator(s) within 30 days after a change.

Violations

Violation Date:	9/13/2018	Violation Program:	UST
Violation Division:	Los Angeles County Department of Public Works	Violation Source:	CERS
Citation:	23 CCR 16 2712 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712		
Violation Notes:			

; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to comply with any of the applicable requirements of the permit issued for the operation of the UST system.

Violations

Violation Date:	9/15/2015	Violation Program:	UST
Violation Division:	Los Angeles County Department of Public Works	Violation Source:	CERS
Citation:	23 CCR 16 2715 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715		
Violation Notes:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Returned to compliance on 05/24/2018.; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure of service technician, designated operator, installer, and/or employee to obtain and maintain a proper and current International Code Council certification.

Violations

Violation Date:	9/15/2015	Violation Program:	UST
Violation Division:	Los Angeles County Department of Public Works	Violation Source:	CERS
Citation:	23 CCR 16 2715(a) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(a)		
Violation Notes:			

Returned to compliance on 05/24/2018.; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to submit statement of UST compliance and/or Designated Operator certification.

Violations

Violation Date:	5/17/2018	Violation Program:	UST
Violation Division:	Los Angeles County Department of Public Works	Violation Source:	CERS
Citation:	23 CCR 16 2637(e) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2637(e)		
Violation Notes:			

; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to submit a copy of the secondary containment test results to the UPA within 30 days after the test.

Violations

Violation Date:	9/13/2018	Violation Program:	UST
Violation Division:	Los Angeles County Department of Public Works	Violation Source:	CERS
Citation:	HSC 6.7 25290.1(c),25290.2(c),25291(a)(2),2529.1(e) - California Health and Safety Code, Chapter 6.7, Section(s) 25290.1(c),25290.2(c),25291(a)(2),2529.1(e)		
Violation Notes:			

; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to maintain secondary containment (e.g., failure of secondary containment testing).

Violations

Violation Date:	9/13/2018	Violation Program:	UST
Violation Division:	Los Angeles County Department of Public Works	Violation Source:	CERS
Citation:	23 CCR 16 2712(f) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(f)		
Violation Notes:			

; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to implement the corrections specified in the inspection report within 30 calendar days of receiving an inspection report from either the UPA or

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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special inspector.

Violations

Violation Date:	5/17/2018	Violation Program:	UST
Violation Division:	Los Angeles County Department of Public Works	Violation Source:	CERS
Citation:	HSC 6.7 25290.1(c),25290.2(c),25291(a)(2),2529.1(e) - California Health and Safety Code, Chapter 6.7, Section(s) 25290.1(c),25290.2(c),25291(a)(2),2529.1(e)		
Violation Notes:			

; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to maintain secondary containment (e.g., failure of secondary containment testing).

Violations

Violation Date:	9/15/2015	Violation Program:	UST
Violation Division:	Los Angeles County Department of Public Works	Violation Source:	CERS
Citation:	23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)		
Violation Notes:			

Returned to compliance on 05/24/2018.; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to maintain on site an approved monitoring plan.

Violations

Violation Date:	5/17/2018	Violation Program:	UST
Violation Division:	Los Angeles County Department of Public Works	Violation Source:	CERS
Citation:	23 CCR 16 2712(f) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(f)		
Violation Notes:			

; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to implement the corrections specified in the inspection report within 30 calendar days of receiving an inspection report from either the UPA or special inspector.

Violations

Violation Date:	5/17/2018	Violation Program:	UST
Violation Division:	Los Angeles County Department of Public Works	Violation Source:	CERS
Citation:	23 CCR 16 2637 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2637		
Violation Notes:			

; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to conduct secondary containment testing, or one or more of the following requirements:
Perform the test within six months of installation and every 36 months thereafter. Use a procedure that demonstrates the system works as well as at installation. Use applicable manufacturer guidelines, industry codes, engineering standard, or professional engineer approval. Performed by a certified service technician or a licensed tank tester.

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Violations

Violation Date: 5/17/2018
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS
Citation: 23 CCR 16 2712(b) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)
Violation Notes:

; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to maintain records of repairs, lining, and upgrades on site, or off site if approved by the UPA, for the life of the UST.

Violations

Violation Date: 9/13/2018
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS
Citation: HSC 6.7 25284, 25286 - California Health and Safety Code, Chapter 6.7, Section(s) 25284, 25286
Violation Notes:

; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to submit a complete and accurate application for a permit to operate a UST, or for renewal of the permit.

Violations

Violation Date: 9/24/2014
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS
Citation: 23 CCR 16 2715(a) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(a)
Violation Notes:

Returned to compliance on 12/05/2014.; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

The owner/operator has failed to designate an UST operator or to inform the CUPA or any change in the designated UST operator(s) within 30 days after a change.

Violations

Violation Date: 9/24/2014
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS
Citation: HSC 6.7 25284.2 - California Health and Safety Code, Chapter 6.7, Section(s) 25284.2
Violation Notes:

Returned to compliance on 12/05/2014.; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to test the spill bucket annually.

Violations

Violation Date: 5/17/2018
Violation Program: UST

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Violation Division:	Los Angeles County Department of Public Works	Violation Source:	CERS
Citation:	23 CCR 16 2712 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712		
Violation Notes:			

; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to comply with any of the applicable requirements of the permit issued for the operation of the UST system.

Violations

Violation Date:	5/17/2018	Violation Program:	UST
Violation Division:	Los Angeles County Department of Public Works	Violation Source:	CERS
Citation:	HSC 6.7 25293 - California Health and Safety Code, Chapter 6.7, Section(s) 25293		
Violation Notes:			

; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to maintain UST records of monitoring, testing, repairing, and closure in sufficient detail to enable the UPA to determine whether the UST systems are in compliance.

Violations

Violation Date:	9/24/2014	Violation Program:	UST
Violation Division:	Los Angeles County Department of Public Works	Violation Source:	CERS
Citation:	23 CCR 16 2638 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2638		
Violation Notes:			

Returned to compliance on 12/05/2014.; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to test leak detection equipment as required every 12 months (VPH, sensor, LLD, ATG, etc.) and/or submit monitoring system certification to the CUPA within 30 days of completion of the test

Violations

Violation Date:	9/13/2016	Violation Program:	UST
Violation Division:	Los Angeles County Department of Public Works	Violation Source:	CERS
Citation:	23 CCR 16 2637(e) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2637(e)		
Violation Notes:			

; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to submit a copy of the secondary containment test results to the CUPA within 30 days after the test.

Violations

Violation Date:	9/13/2016	Violation Program:	UST
Violation Division:	Los Angeles County Department of Public Works	Violation Source:	CERS
Citation:	23 CCR 16 2712(f) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(f)		
Violation Notes:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to implement the corrections specified in the inspection report within 30 calendar days of receiving an inspection report from either the CUPA or special inspector.

Violations

Violation Date:	9/13/2018	Violation Program:	UST
Violation Division:	Los Angeles County Department of Public Works	Violation Source:	CERS
Citation:	23 CCR 16 2712(b) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)		
Violation Notes:			

; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to maintain records of repairs, lining, and upgrades on site, or off site if approved by the UPA, for the life of the UST.

112	1 of 2	SSW	0.22 / 1,135.81	780.00 / -14	TELE CLEANERS 711 S FAIR OAKS AVE # E SOUTH PASADENA CA 91030	DELISTED HAZ
<div> <div>Siteid:</div> <div>Latitude:</div> <div>Longitude:</div> <div>Original Source:</div> <div>Record Date:</div> </div> <div> <div>160050</div> <div>34.117350</div> <div>-118.150800</div> <div>CHAZ</div> <div>04-JAN-2018</div> </div>						
112	2 of 2	SSW	0.22 / 1,135.81	780.00 / -14	TELE CLEANERS 711 S. FAIR OAKS AVE #E SOUTH PASADENA CA 91030	DRYCLEANERS
<div> <div>EPA ID:</div> <div>Create Date:</div> <div>Facility Act Ind:</div> <div>Inact Date:</div> <div>Reason:</div> <div>County Name:</div> <div>Region Code:</div> <div>Owner Name:</div> <div>Owner Street 1:</div> <div>Owner Street 2:</div> <div>Owner City:</div> <div>Owner State:</div> <div>Owner Zip:</div> </div> <div> <div>CAC002946346</div> <div>1/30/2018 12:27:15 PM</div> <div>No</div> <div>5/3/2018 3:00:33 AM</div> <div>Cleaners</div> <div>Los Angeles</div> <div>3</div> <div>SUN HEE KIM</div> <div>1331 HUNTINGTON DR.</div> <div></div> <div>SOUTH PASADENA</div> <div>CA</div> <div>91030</div> </div> <div> <div>Owner Phone:</div> <div>Owner Fax:</div> <div>Contact Name:</div> <div>Contact Street 1:</div> <div>Contact Street 2:</div> <div>Contact City:</div> <div>Contact State:</div> <div>Contact Zip:</div> <div>Contact Phone:</div> <div>Mail Name:</div> <div>DD Latitude:</div> <div>DD Longitude:</div> </div> <div> <div>8188085119</div> <div></div> <div>SUN HEE KIM</div> <div>1331 HUNTINGTON DR.</div> <div></div> <div>SOUTH PASADENA</div> <div>CA</div> <div>91030</div> <div>8188085119</div> <div></div> <div></div> <div></div> </div>						
113	1 of 1	SW	0.22 / 1,142.48	785.05 / -9	ORHTOPAEDIC INSTITUTE INC 10 CONGRESS ST 103 PASADENA CA 91105	RCRA SQG
<div> <div>EPA Handler ID:</div> <div>Gen Status Universe:</div> <div>Contact Name:</div> <div>Contact Address:</div> <div>Contact Phone No and Ext:</div> <div>Contact Email:</div> <div>Contact Country:</div> <div>County Name:</div> </div> <div> <div>CAD983620568</div> <div>Small Quantity Generator</div> <div>ELMER RAO</div> <div>10 CONGRESS ST 103 , , PASADENA , CA, 91105 , US</div> <div>818-795-0282</div> <div></div> <div>US</div> <div>LOS ANGELES</div> </div>						

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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EPA Region:	09
Land Type:	Other
Receive Date:	19920304

Violation/Evaluation Summary

Note: NO RECORDS: As of Dec 2018, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	19920304
Handler Name:	ORHTOPAEDIC INSTITUTE INC
Generator Status Universe:	Small Quantity Generator
Source Type:	Notification

Owner/Operator Details

Owner/Operator Ind:	Current Owner	Street No:	
Type:	Private	Street 1:	10 CONGRESS ST
Name:	ORTHOPAEDIC INSTITUTE INC	Street 2:	
Date Became Current:		City:	PASADENA
Date Ended Current:		State:	CA
Phone:	818-795-0282	Country:	
Source Type:	Notification	Zip Code:	91105

114	1 of 1	SW	0.22 / 1,152.51	785.58 / -8	CONGRESS ASSOCIATES INC 39 CONGRESS ST STE 201 PASADENA CA 91105	RCRA SQG
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EPA Handler ID:	CAD983651381
Gen Status Universe:	Small Quantity Generator
Contact Name:	CYNTHIA ERNT
Contact Address:	39 CONGRESS ST STE 201 , , PASADENA , CA, 91105 , US
Contact Phone No and Ext:	818-795-8051
Contact Email:	
Contact Country:	US
County Name:	LOS ANGELES
EPA Region:	09
Land Type:	Private
Receive Date:	19921028

Violation/Evaluation Summary

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Note: NO RECORDS: As of Dec 2018, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 19921028
Handler Name: CONGRESS ASSOCIATES INC
Generator Status Universe: Small Quantity Generator
Source Type: Notification

Owner/Operator Details

Owner/Operator Ind:	Current Owner	Street No:	
Type:	Private	Street 1:	1265 WINSTON AVE
Name:	MULFINGER GEORGE	Street 2:	
Date Became Current:		City:	SAN MARINO
Date Ended Current:		State:	CA
Phone:	818-792-1929	Country:	
Source Type:	Notification	Zip Code:	91108

115	1 of 2	SSW	0.22 / 1,153.68	772.41 / -21	CALIFORNIA LIQUID FERTILIZER C 755 SO. RAYMOND AVE. PASADENA CA 91105	HHSS
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County: Los Angeles
Pdf File Url: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00026987.pdf>

115	2 of 2	SSW	0.22 / 1,153.68	772.41 / -21	CALIFORNIA LIQUID FERTILIZER C 755 SO. RAYMOND AVE. PASADENA CA	HIST TANK
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Owner Name:	CALIFORNIA LIQUID FERTILIZER C	No of Containers:	3
Owner Street:	755 SO. RAYMOND AVE.	County:	(NOT LEGIBLE)
Owner City:	PASADENA	Facility State:	CA
Owner State:	CA	Facility Zip:	91105
Owner Zip:	91105		

116	1 of 2	N	0.22 / 1,175.92	820.31 / 27	EARL SCHEIB OF CAL INC 270 S ARROYO PARKWAY	EMISSIONS
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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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PASADENA CA 90008

1987 Criteria Data

Facility ID:	9202	CERR Code:	
Facility SIC Code:	7538	TOGT:	4.1
CO:	19	ROGT:	3.9688
Air Basin:	SC	COT:	
District:	SC	NOXT:	
COID:	LA	SOXT:	
DISN:	SOUTH COAST AQMD	PMT:	.1
CHAPIS:		PM10T:	.096

1987 Toxic Data

Facility ID:	9202	COID:	LA
Facility SIC Code:	7538	DISN:	SOUTH COAST AQMD
CO:	19	CHAPIS:	
Air Basin:	SC	CERR Code:	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

1990 Criteria Data

Facility ID:	9202	CERR Code:	
Facility SIC Code:	7538	TOGT:	3.3
CO:	19	ROGT:	2.42
Air Basin:	SC	COT:	
District:	SC	NOXT:	
COID:	LA	SOXT:	
DISN:	SOUTH COAST AQMD	PMT:	0
CHAPIS:		PM10T:	0

1990 Toxic Data

Facility ID:	9202	COID:	LA
Facility SIC Code:	7538	DISN:	SOUTH COAST AQMD
CO:	19	CHAPIS:	
Air Basin:	SC	CERR Code:	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

1993 Criteria Data

Facility ID:	9202	CERR Code:	
Facility SIC Code:	7538	TOGT:	2.1
CO:	19	ROGT:	2.0328
Air Basin:	SC	COT:	
District:	SC	NOXT:	
COID:	LA	SOXT:	
DISN:	SOUTH COAST AQMD	PMT:	
CHAPIS:		PM10T:	

1993 Toxic Data

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<hr/>						
Facility ID:	9202			COID:	LA	
Facility SIC Code:	7538			DISN:	SOUTH COAST AQMD	
CO:	19			CHAPIS:		
Air Basin:	SC			CERR Code:		
District:	SC					
TS:						
Health Risk Asmt:						
Non-Cancer Chronic Haz Ind:						
Non-Cancer Acute Haz Ind:						
 <u>1995 Criteria Data</u>						
Facility ID:	9202			CERR Code:		
Facility SIC Code:	7538			TOGT:	2.1	
CO:	19			ROGT:	2.0328	
Air Basin:	SC			COT:		
District:	SC			NOXT:		
COID:	LA			SOXT:		
DISN:	SOUTH COAST AQMD			PMT:		
CHAPIS:				PM10T:		
 <u>1995 Toxic Data</u>						
Facility ID:	9202			COID:	LA	
Facility SIC Code:	7538			DISN:	SOUTH COAST AQMD	
CO:	19			CHAPIS:		
Air Basin:	SC			CERR Code:		
District:	SC					
TS:						
Health Risk Asmt:						
Non-Cancer Chronic Haz Ind:						
Non-Cancer Acute Haz Ind:						
<hr/>						
116	2 of 2	N	0.22 / 1,175.92	820.31 / 27	EARL SCHEIB OF CAL INC 270 S ARROYO PKY PASADENA CA 90008	EMISSIONS

1996 Criteria Data

Facility ID:	9202	CERR Code:	
Facility SIC Code:	7538	TOGT:	1.8
CO:	19	ROGT:	1.7424
Air Basin:	SC	COT:	
District:	SC	NOXT:	
COID:	LA	SOXT:	
DISN:	SOUTH COAST AQMD	PMT:	
CHAPIS:		PM10T:	

1996 Toxic Data

Facility ID:	9202	COID:	LA
Facility SIC Code:	7538	DISN:	SOUTH COAST AQMD
CO:	19	CHAPIS:	
Air Basin:	SC	CERR Code:	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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1998 Toxic Data

Facility ID:	9202	COID:	LA
Facility SIC Code:	7538	DISN:	SOUTH COAST AQMD
CO:	19	CHAPIS:	
Air Basin:	SC	CERR Code:	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

1999 Toxic Data

Facility ID:	9202	COID:	LA
Facility SIC Code:	7538	DISN:	SOUTH COAST AQMD
CO:	19	CHAPIS:	
Air Basin:	SC	CERR Code:	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2000 Toxic Data

Facility ID:	9202	COID:	LA
Facility SIC Code:	7538	DISN:	SOUTH COAST AQMD
CO:	19	CHAPIS:	
Air Basin:	SC	CERR Code:	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2001 Toxic Data

Facility ID:	9202	COID:	LA
Facility SIC Code:	7538	DISN:	SOUTH COAST AQMD
CO:	19	CHAPIS:	
Air Basin:	SC	CERR Code:	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

[117](#)

1 of 1

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CHAMPION PLAZA
753-755 S. ARROYO PKWY
PASADENA CA 91105

**CLEANUP
SITES**

Global ID: SLT43581579
Case Type: Cleanup Program Site
Status: Completed - Case Closed
Status Date: 1965-06-16 00:00:00
RB Case No: 0660
LOC Case No:
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Worker:
Local Agency:
Potential Cntm of Concrn:
Potential Media Affected:
How Discovered Description:

CUF Case: NO
Begin Date:
How Discovered:
Stop Method:
County: Los Angeles
Latitude: 34.1326079318723
Longitude: -118.147568106651
File Location:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Stop Description:

Cal Water Watershed Name: Los Angeles River - Raymond - Pasadena (412.31)

DWR Groundwater Subbasin: Raymond (4-023)

Site History:

Status History

Status: Completed - Case Closed **Status Date:** 1965-06-16 00:00:00

Status: Open - Case Begin Date **Status Date:** 1965-06-15 00:00:00

Activities

Action Type: ENFORCEMENT
Action: Closure/No Further Action Letter
Date: 1997-08-21 00:00:00

[118](#)

1 of 2

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DEPARTMENT OF TOXIC
SUBSTANCES CONTROL
757 S RAYMOND AVE
PASADENA CA 91105

RCRA
NON GEN

EPA Handler ID: CAL000399519
Gen Status Universe: No Report
Contact Name: MUI SAM KOLTUNOV
Contact Address: 1449 W TEMPLE ST , , LOS ANGELES , CA, 90026 ,
Contact Phone No and Ext: 213-977-7928
Contact Email: MSAM@DTSC.CA.GOV
Contact Country:
County Name: LOS ANGELES
EPA Region: 09
Land Type:
Receive Date: 20140805

Violation/Evaluation Summary

Note: NO RECORDS: As of Dec 2018, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: Yes
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20140805

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Handler Name: DEPARTMENT OF TOXIC SUBSTANCES CONTROL
Generator Status Universe: No Report
Source Type: Implementer

Owner/Operator Details

Owner/Operator Ind:	Current Operator	Street No:	
Type:	Other	Street 1:	1449 W TEMPLE ST
Name:	MUI SAM KOLTUNOV	Street 2:	
Date Became Current:		City:	LOS ANGELES
Date Ended Current:		State:	CA
Phone:	213-977-7928	Country:	
Source Type:	Implementer	Zip Code:	90026

Owner/Operator Ind:	Current Owner	Street No:	
Type:	Other	Street 1:	1001 I ST
Name:	DTSC HEALTHCARE ASSOCIATES INC	Street 2:	
Date Became Current:		City:	SACRAMENTO
Date Ended Current:		State:	CA
Phone:	916-327-8514	Country:	
Source Type:	Implementer	Zip Code:	95814

118	2 of 2	S	0.23 / 1,213.46	771.48 / -22	CLINICAL MICRO SENSORS DBA OSMETECH 757 S RAYMOND AVE PASADENA CA 91105	RCRA SQG
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EPA Handler ID: CAR000077685
Gen Status Universe: Small Quantity Generator
Contact Name: JOHN P PLAT
Contact Address: 757 S RAYMOND AVE , , PASADENA , CA, 91105 , US
Contact Phone No and Ext: 626-463-2000 8027
Contact Email: JOHN.PLAT@OSMETECH.COM
Contact Country: US
County Name: LOS ANGELES
EPA Region: 09
Land Type: Private
Receive Date: 20060809

Violation/Evaluation Summary

Note: NO RECORDS: As of Dec 2018, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Sequence No:		3				
Receive Date:		20060809				
Handler Name:		CLINICAL MICRO SENSORS DBA OSMETECH				
Generator Status Universe:		Small Quantity Generator				
Source Type:		Notification				
<u>Waste Code Details</u>						
Hazardous Waste Code:		D022				
Waste Code Description:		CHLOROFORM				
Hazardous Waste Code:		F002				
Waste Code Description:		THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.				
Hazardous Waste Code:		P105				
Waste Code Description:		SODIUM AZIDE				
Hazardous Waste Code:		P023				
Waste Code Description:		ACETALDEHYDE, CHLORO- (OR) CHLOROACETALDEHYDE				
Hazardous Waste Code:		D002				
Waste Code Description:		CORROSIVE WASTE				
Hazardous Waste Code:		F001				
Waste Code Description:		THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLOROETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.				
Hazardous Waste Code:		D003				
Waste Code Description:		REACTIVE WASTE				
Hazardous Waste Code:		D001				
Waste Code Description:		IGNITABLE WASTE				
Hazardous Waste Code:		D008				
Waste Code Description:		LEAD				
Hazardous Waste Code:		U115				
Waste Code Description:		ETHYLENE OXIDE (I,T) (OR) OXIRANE (I,T)				
Hazardous Waste Code:		D009				
Waste Code Description:		MERCURY				
Hazardous Waste Code:		D011				
Waste Code Description:		SILVER				
Hazardous Waste Code:		U067				
Waste Code Description:		ETHANE, 1,2-DIBROMO- (OR) ETHYLENE DIBROMIDE				
Hazardous Waste Code:		U246				
Waste Code Description:		CYANOGEN BROMIDE (CN)BR				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Generator Status Universe:		Small Quantity Generator				
Source Type:		Notification				
<u>Waste Code Details</u>						
Hazardous Waste Code:		D022				
Waste Code Description:		CHLOROFORM				
Hazardous Waste Code:		D011				
Waste Code Description:		SILVER				
Hazardous Waste Code:		F003				
Waste Code Description:		THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.				
Hazardous Waste Code:		U003				
Waste Code Description:		ACETONITRILE (I,T)				
Hazardous Waste Code:		U147				
Waste Code Description:		2,5-FURANDIONE (OR) MALEIC ANHYDRIDE				
Hazardous Waste Code:		U190				
Waste Code Description:		1,3-ISOBENZOFURANDIONE (OR) PHTHALIC ANHYDRIDE				
Hazardous Waste Code:		U194				
Waste Code Description:		1-PROPANAMINE (I,T) (OR) N-PROPYLAMINE (I,T)				
Hazardous Waste Code:		D002				
Waste Code Description:		CORROSIVE WASTE				
Hazardous Waste Code:		D028				
Waste Code Description:		1,2-DICHLOROETHANE				
Hazardous Waste Code:		F005				
Waste Code Description:		THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.				
Hazardous Waste Code:		P014				
Waste Code Description:		BENZENETHIOL (OR) THIOPHENOL				
Hazardous Waste Code:		U246				
Waste Code Description:		CYANOGEN BROMIDE (CN)BR				
Hazardous Waste Code:		U404				
Waste Code Description:		ETHANAMINE, N,N-DIETHYL- (OR) TRIETHYLAMINE				
Hazardous Waste Code:		P028				
Waste Code Description:		BENZENE, (CHLOROMETHYL)- (OR) BENZYL CHLORIDE				
Hazardous Waste Code:		U002				
Waste Code Description:		2-PROPANONE (I) (OR) ACETONE (I)				
Hazardous Waste Code:		U044				
Waste Code Description:		CHLOROFORM (OR) METHANE, TRICHLORO-				
Hazardous Waste Code:		U077				
Waste Code Description:		ETHANE, 1,2-DICHLORO- (OR) ETHYLENE DICHLORIDE				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Hazardous Waste Code: Waste Code Description:		U108			1,4-DIETHYLENEOXIDE (OR) 1,4-DIOXANE	
Hazardous Waste Code: Waste Code Description:		U117			ETHANE, 1,1'-OXYBIS-(I) (OR) ETHYL ETHER (I)	
Hazardous Waste Code: Waste Code Description:		U037			BENZENE, CHLORO- (OR) CHLOROBENZENE	
Hazardous Waste Code: Waste Code Description:		U112			ACETIC ACID, ETHYL ESTER (I) (OR) ETHYL ACETATE (I)	
Hazardous Waste Code: Waste Code Description:		U119			ETHYL METHANESULFONATE (OR) METHANESULFONIC ACID, ETHYL ESTER	
Hazardous Waste Code: Waste Code Description:		U151			MERCURY	
Hazardous Waste Code: Waste Code Description:		U213			FURAN, TETRAHYDRO-(I) (OR) TETRAHYDROFURAN (I)	
Hazardous Waste Code: Waste Code Description:		U238			CARBAMIC ACID, ETHYL ESTER (OR) ETHYL CARBAMATE (URETHANE)	
Hazardous Waste Code: Waste Code Description:		D009			MERCURY	
Hazardous Waste Code: Waste Code Description:		F002			THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.	
Hazardous Waste Code: Waste Code Description:		P098			POTASSIUM CYANIDE (OR) POTASSIUM CYANIDE K(CN)	
Hazardous Waste Code: Waste Code Description:		U007			2-PROPENAMIDE (OR) ACRYLAMIDE	
Hazardous Waste Code: Waste Code Description:		U080			METHANE, DICHLORO- (OR) METHYLENE CHLORIDE	
Hazardous Waste Code: Waste Code Description:		U092			DIMETHYLAMINE (I) (OR) METHANAMINE, N-METHYL- (I)	
Hazardous Waste Code: Waste Code Description:		U131			ETHANE, HEXACHLORO- (OR) HEXACHLOROETHANE	
Hazardous Waste Code: Waste Code Description:		U133			HYDRAZINE (R,T)	
Hazardous Waste Code: Waste Code Description:		U196			PYRIDINE	
Hazardous Waste Code: Waste Code Description:		U211			CARBON TETRACHLORIDE (OR) METHANE, TETRACHLORO-	
Hazardous Waste Code: Waste Code Description:		D001			IGNITABLE WASTE	
Hazardous Waste Code: Waste Code Description:		P087			OSMIUM OXIDE OSO4, (T-4)- (OR) OSMIUM TETROXIDE	
Hazardous Waste Code: Waste Code Description:		U012			ANILINE (I,T) (OR) BENZENAMINE (I,T)	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Hazardous Waste Code: Waste Code Description:		U056			BENZENE, HEXAHYDRO- (I) (OR) CYCLOHEXANE (I)	
Hazardous Waste Code: Waste Code Description:		U135			HYDROGEN SULFIDE (OR) HYDROGEN SULFIDE H2S	
Hazardous Waste Code: Waste Code Description:		U154			METHANOL (I) (OR) METHYL ALCOHOL (I)	
Hazardous Waste Code: Waste Code Description:		U219			THIOUREA	
Hazardous Waste Code: Waste Code Description:		D018			BENZENE	
Hazardous Waste Code: Waste Code Description:		D038			PYRIDINE	
Hazardous Waste Code: Waste Code Description:		P005			2-PROPEN-1-OL (OR) ALLYL ALCOHOL	
Hazardous Waste Code: Waste Code Description:		P029			COPPER CYANIDE (OR) COPPER CYANIDE CU(CN)	
Hazardous Waste Code: Waste Code Description:		U138			METHANE, IODO- (OR) METHYL IODIDE	
Hazardous Waste Code: Waste Code Description:		U188			PHENOL	
Hazardous Waste Code: Waste Code Description:		U220			BENZENE, METHYL- (OR) TOLUENE	
Hazardous Waste Code: Waste Code Description:		U239			BENZENE, DIMETHYL- (I,T) (OR) XYLENE (I)	

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20010807
Handler Name: MOTOROLA LIFE SCIENCES
Generator Status Universe: Small Quantity Generator
Source Type: Notification

Waste Code Details

Hazardous Waste Code: D000
Waste Code Description: DESCRIPTION

Hazardous Waste Code: D038
Waste Code Description: PYRIDINE

Hazardous Waste Code: F002
Waste Code Description: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: P102
Waste Code Description: 2-PROPYN-1-OL (OR) PROPARGYL ALCOHOL

Hazardous Waste Code: P022
Waste Code Description: CARBON DISULFIDE

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Hazardous Waste Code: Waste Code Description:		P098			POTASSIUM CYANIDE (OR) POTASSIUM CYANIDE K(CN)	
Hazardous Waste Code: Waste Code Description:		U002			2-PROPANONE (I) (OR) ACETONE (I)	
Hazardous Waste Code: Waste Code Description:		P014			BENZENETHIOL (OR) THIOPHENOL	
Hazardous Waste Code: Waste Code Description:		P028			BENZENE, (CHLOROMETHYL)- (OR) BENZYL CHLORIDE	
Hazardous Waste Code: Waste Code Description:		P105			SODIUM AZIDE	
Hazardous Waste Code: Waste Code Description:		F003			THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.	
Hazardous Waste Code: Waste Code Description:		D022			CHLOROFORM	
Hazardous Waste Code: Waste Code Description:		P029			COPPER CYANIDE (OR) COPPER CYANIDE CU(CN)	
Hazardous Waste Code: Waste Code Description:		D018			BENZENE	
Hazardous Waste Code: Waste Code Description:		D001			IGNITABLE WASTE	
Hazardous Waste Code: Waste Code Description:		D002			CORROSIVE WASTE	
Hazardous Waste Code: Waste Code Description:		D009			MERCURY	
Hazardous Waste Code: Waste Code Description:		F005			THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.	
Hazardous Waste Code: Waste Code Description:		P087			OSMIUM OXIDE OSO4, (T-4)- (OR) OSMIUM TETROXIDE	

Owner/Operator Details

Owner/Operator Ind:	Current Owner	Street No:	
Type:	Private	Street 1:	100 W CALIFORNIA BLVD
Name:	COLLIS P AND HOWARD HUNTINGTON	Street 2:	PO BOX 7013
	MEMORIAL	City:	PASADENA
Date Became Current:	19900501	State:	CA
Date Ended Current:		Country:	US
Phone:		Zip Code:	91109-7013
Source Type:	Notification		
Owner/Operator Ind:	Current Owner	Street No:	
Type:	Private	Street 1:	
Name:	MOTOROLA INC	Street 2:	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Date Became Current:	20000623				City:	
Date Ended Current:					State:	
Phone:					Country:	US
Source Type:	Notification				Zip Code:	
Owner/Operator Ind:	Current Operator				Street No:	
Type:	Private				Street 1:	
Name:	JON KAYYEM / ED COOK				Street 2:	
Date Became Current:	20000623				City:	
Date Ended Current:					State:	
Phone:					Country:	US
Source Type:	Notification				Zip Code:	
Owner/Operator Ind:	Current Operator				Street No:	
Type:	Private				Street 1:	
Name:	OSMETECH TECHNOLOGY INC				Street 2:	
Date Became Current:	20050801				City:	
Date Ended Current:					State:	
Phone:					Country:	US
Source Type:	Notification				Zip Code:	
Owner/Operator Ind:	Current Owner				Street No:	
Type:	Private				Street 1:	1303 E ALGONQUIN RD
Name:	MOTOROLA INC				Street 2:	
Date Became Current:					City:	SCHAUMBURG
Date Ended Current:					State:	IL
Phone:	847-538-0462				Country:	
Source Type:	Notification				Zip Code:	60196

[119](#)

1 of 1

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755 S ARROYO PKWY
PASADENA CA 91105

LA HMS

Site No: 014189
Area: 3J

--Details--

File No: 014715
File Name: DAVID A MORELLI
Status Code: OPEN
Status Desc: File Opened, no permit exists
Permit No:
Permit Category:
Permit Category Desc:
Permit Status Code:
Permit Status Desc:
Permit Type:
Permit Type Desc:

[120](#)

1 of 1

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23

MAXDEM, INC
267 S FAIR OAKS AVE
PASADENA CA 91105

RCRA SQG

EPA Handler ID: CAD981384530
Gen Status Universe: Small Quantity Generator
Contact Name: ENVIRONMENTAL MANAGER
Contact Address: 267 S FAIR OAKS AVE , , PASADENA , CA, 91105 , US
Contact Phone No and Ext: 818-792-5224
Contact Email:
Contact Country: US
County Name: LOS ANGELES
EPA Region: 09
Land Type:
Receive Date: 19860212

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Violation/Evaluation Summary

Note: NO RECORDS: As of Dec 2018, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 19860212
Handler Name: MAXDEM, INC
Generator Status Universe: Small Quantity Generator
Source Type: Notification

Owner/Operator Details

Owner/Operator Ind:	Current Owner	Street No:	
Type:	Private	Street 1:	NOT REQUIRED
Name:	267 S FAIR OAKS LTD	Street 2:	
Date Became Current:		City:	NOT REQUIRED
Date Ended Current:		State:	ME
Phone:	415-555-1212	Country:	
Source Type:	Notification	Zip Code:	99999
Owner/Operator Ind:	Current Operator	Street No:	
Type:	Private	Street 1:	NOT REQUIRED
Name:	NOT REQUIRED	Street 2:	
Date Became Current:		City:	NOT REQUIRED
Date Ended Current:		State:	ME
Phone:	415-555-1212	Country:	
Source Type:	Notification	Zip Code:	99999

121	1 of 1	WNW	0.23 / 1,239.83	804.52 / 11	CROWN CITY TIRE & WHEEL INC. 80 W BELLEVUE DR Pasadena CA 91105	UST
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Facility ID:	LACoFA0005096	Latitude:	34.13805
Permitting Agency:	Los Angeles County Fire Department	Longitude:	-118.1522
County:	Los Angeles		

122	1 of 3	WNW	0.23 / 1,240.60	805.87 / 12	CROWN CITY TIRE & WHEEL INC. 80 W BELLEVUE DR PASADENA CA 91105	CERS TANK
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Site ID: 108959

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Latitude:		34.138046				
Longitude:		-118.152199				
<u>Regulated Programs</u>						
EI ID:		10195684				
EI Description:		Hazardous Waste Generator				
EI ID:		10195684				
EI Description:		Underground Storage Tank				
EI ID:		10195684				
EI Description:		Chemical Storage Facilities				
<u>Affiliations</u>						
Affil Type Desc:		Operator				
Entity Name:		MARK BARATTA				
Entity Title:						
Address:						
City:						
State:						
Country:						
Zip Code:						
Phone:		(626) 793-4181				
Affil Type Desc:		Property Owner				
Entity Name:		MARK BARATTA				
Entity Title:						
Address:		80 WEST BELLEVUE DR				
City:		PASADENA				
State:		CA				
Country:		United States				
Zip Code:		91105				
Phone:		(626) 793-4181				
Affil Type Desc:		Environmental Contact				
Entity Name:		MARK BARATTA				
Entity Title:						
Address:		80 WEST BELLEVUE DREST				
City:		PASADENA				
State:		CA				
Country:						
Zip Code:		91105				
Phone:		(626) 793-4181				
Affil Type Desc:		Document Preparer				
Entity Name:		PACIFIC MANAGEMENT SERVICES				
Entity Title:						
Address:						
City:						
State:						
Country:						
Zip Code:						
Phone:						
Affil Type Desc:		UST Property Owner Name				
Entity Name:		MARK BARATTA				
Entity Title:						
Address:		80 W. Bellevue Dr				
City:		Pasadena				
State:		CA				
Country:		United States				
Zip Code:		91105				
Phone:		(626) 793-4181				
Affil Type Desc:		UST Tank Operator				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<hr/>						
Entity Name:		Crown City Tire & Wheel, Inc.				
Entity Title:						
Address:		80 W. Bellevue Dr				
City:		Pasadena				
State:		CA				
Country:		United States				
Zip Code:		91105				
Phone:		(626) 793-4181				
Affil Type Desc:		Facility Mailing Address				
Entity Name:		Mailing Address				
Entity Title:						
Address:		80 WEST BELLEVUE DR				
City:		PASADENA				
State:		CA				
Country:						
Zip Code:		91105				
Phone:						
Affil Type Desc:		UST Permit Applicant				
Entity Name:		Mark Baratta				
Entity Title:		President				
Address:						
City:						
State:						
Country:						
Zip Code:						
Phone:		(626) 793-4181				
Affil Type Desc:		Parent Corporation				
Entity Name:		CROWN CITY TIRE & WHEEL INC.				
Entity Title:						
Address:						
City:						
State:						
Country:						
Zip Code:						
Phone:						
Affil Type Desc:		CUPA District				
Entity Name:		Los Angeles County Fire				
Entity Title:						
Address:		5825 Rickenbacker Road				
City:		Commerce				
State:		CA				
Country:						
Zip Code:		90040-3027				
Phone:		(323) 890-4045				
Affil Type Desc:		Identification Signer				
Entity Name:		MARK BARATTA				
Entity Title:		PRESIDENT				
Address:						
City:						
State:						
Country:						
Zip Code:						
Phone:						
Affil Type Desc:		Legal Owner				
Entity Name:		CROWN CITY TIRE & WHEEL INC				
Entity Title:						
Address:		80 WEST BELLEVUE DR				
City:		PASADENA				
State:		CA				
Country:		United States				
Zip Code:		91105				
Phone:		(626) 793-4181				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Affil Type Desc:	UST Tank Owner
Entity Name:	Crown City Tire & Wheel, Inc.
Entity Title:	
Address:	80 W. Bellevue Dr
City:	Pasadena
State:	CA
Country:	United States
Zip Code:	91105
Phone:	(626) 793-4181

Coordinates

Env Int Type Code:	HWG	Longitude:	-118.152200
Program ID:	10195684	Coord Name:	
Latitude:	34.138050	Ref Point Type Desc:	Center of a facility or station.

Evaluations

Eval Date:	5/27/2016
Violations Found:	No
Eval General Type:	Compliance Evaluation Inspection
Eval Type:	Routine done by local agency
Eval Division:	Pasadena Fire Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval Notes:	

; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date:	8/16/2016
Violations Found:	No
Eval General Type:	Compliance Evaluation Inspection
Eval Type:	Routine done by local agency
Eval Division:	Los Angeles County Fire Department
Eval Program:	HW
Eval Source:	CERS
Eval Notes:	

Tony Alva; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date:	5/25/2017
Violations Found:	No
Eval General Type:	Compliance Evaluation Inspection
Eval Type:	Routine done by local agency
Eval Division:	Pasadena Fire Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval Notes:	

; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date:	5/25/2017
Violations Found:	Yes
Eval General Type:	Compliance Evaluation Inspection
Eval Type:	Routine done by local agency
Eval Division:	Pasadena Fire Department
Eval Program:	UST
Eval Source:	CERS
Eval Notes:	

; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date:	5/27/2016
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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Violations Found:	Yes
Eval General Type:	Compliance Evaluation Inspection
Eval Type:	Routine done by local agency
Eval Division:	Pasadena Fire Department
Eval Program:	UST
Eval Source:	CERS
Eval Notes:	

; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date:	6/15/2018
Violations Found:	No
Eval General Type:	Compliance Evaluation Inspection
Eval Type:	Routine done by local agency
Eval Division:	Pasadena Fire Department
Eval Program:	UST
Eval Source:	CERS
Eval Notes:	

; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date:	5/22/2014
Violations Found:	No
Eval General Type:	Compliance Evaluation Inspection
Eval Type:	Routine done by local agency
Eval Division:	Pasadena Fire Department
Eval Program:	UST
Eval Source:	CERS
Eval Notes:	

; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date:	5/22/2014
Violations Found:	No
Eval General Type:	Compliance Evaluation Inspection
Eval Type:	Routine done by local agency
Eval Division:	Pasadena Fire Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval Notes:	

; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date:	6/15/2018
Violations Found:	No
Eval General Type:	Compliance Evaluation Inspection
Eval Type:	Routine done by local agency
Eval Division:	Pasadena Fire Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval Notes:	

; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date:	5/22/2015
Violations Found:	Yes
Eval General Type:	Compliance Evaluation Inspection
Eval Type:	Routine done by local agency
Eval Division:	Pasadena Fire Department
Eval Program:	UST
Eval Source:	CERS
Eval Notes:	

; Note: data in [EVAL Notes] field for some records is truncated from the source.

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Eval Date: 5/22/2015
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Pasadena Fire Department
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

; Note: data in [EVAL Notes] field for some records is truncated from the source.

Violations

Violation Date: 5/27/2016
Violation Division: Pasadena Fire Department
Citation: HSC 6.7 25291 - California Health and Safety Code, Chapter 6.7, Section(s) 25291
Violation Notes:

Violation Program: UST
Violation Source: CERS

Returned to compliance on 06/28/2016.; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to maintain under-dispenser containment, sumps, and/or other secondary containment in good condition and/or free of debris/liquid.

Violations

Violation Date: 5/27/2016
Violation Division: Pasadena Fire Department
Citation: 23 CCR 16 2712(b) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)
Violation Notes:

Violation Program: UST
Violation Source: CERS

Returned to compliance on 06/28/2016.; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to maintain records of repairs, lining, and upgrades on site, or off site if approved by the CUPA, for the life of the underground storage tank

and/or

failure to maintain written monitoring and maintenance records on site, or off site if approved by the CUPA, for a period of 3 years, 6 1/2 years for cathodic protection, and 5 years for written performance claims pertaining to release detection systems and calibration and maintenance records for such systems.

Violations

Violation Date: 5/25/2017
Violation Division: Pasadena Fire Department
Citation: HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34
Violation Notes:

Violation Program: UST
Violation Source: CERS

Returned to compliance on 08/01/2017.; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.

Violations

Violation Date: 5/22/2015
Violation Division: Pasadena Fire Department
Citation: HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34

Violation Program: UST
Violation Source: CERS

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Violation Notes:

Returned to compliance on 09/15/2015.; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.

Violations

Violation Date:	5/22/2015	Violation Program:	UST
Violation Division:	Pasadena Fire Department	Violation Source:	CERS
Citation:	23 CCR 16 2636(f) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)		
Violation Notes:			

Returned to compliance on 05/23/2015.; Note: data in [Violation Notes] field for some records is truncated from the source.

Violation Description:

Failure to continuously monitor the interstitial space of the tank, piping and/or sumps sump such that the leak detection activates an audible/visual alarm when a leak is detected.

122	2 of 3	WNW	0.23 / 1,240.60	805.87 / 12	80 W BELLEVUE DR PASADENA CA 91105	LA HMS
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Site No: 012508
Area: 3J

--Details--

File No:	012663
File Name:	CROWN CITY TIRE
Status Code:	REM
Status Desc:	Equipment Removed
Permit No:	00004554T
Permit Category:	T
Permit Category Desc:	Underground Storage Tank
Permit Status Code:	REM
Permit Status Desc:	Equipment Removed
Permit Type:	0
Permit Type Desc:	Underground Storage Tank Operating Permit

122	3 of 3	WNW	0.23 / 1,240.60	805.87 / 12	CROWN CITY TIRE 80 W BELLEVUE DR PASADENA CA 91105	RCRA SQG
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EPA Handler ID:	CAD983584756
Gen Status Universe:	Small Quantity Generator
Contact Name:	MARK BARATTA
Contact Address:	80 W BELLEVUE DR , , PASADENA , CA, 91105 , US
Contact Phone No and Ext:	818-793-4181
Contact Email:	
Contact Country:	US
County Name:	LOS ANGELES
EPA Region:	09
Land Type:	Private
Receive Date:	19910607

Violation/Evaluation Summary

Note: NO RECORDS: As of Dec 2018, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Handler Summary

Importer Activity: No
 Mixed Waste Generator: No
 Transporter Activity: No
 Transfer Facility: No
 Onsite Burner Exemption: No
 Furnace Exemption: No
 Underground Injection Activity: No
 Commercial TSD: No
 Used Oil Transporter: No
 Used Oil Transfer Facility: No
 Used Oil Processor: No
 Used Oil Refiner: No
 Used Oil Burner: No
 Used Oil Market Burner: No
 Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
 Receive Date: 19910607
 Handler Name: CROWN CITY TIRE
 Generator Status Universe: Small Quantity Generator
 Source Type: Notification

Owner/Operator Details

Owner/Operator Ind:	Current Owner	Street No:	
Type:	Private	Street 1:	80 W BELLEVUE DR
Name:	SUZANNE E BARATTA	Street 2:	
Date Became Current:		City:	PASADENA
Date Ended Current:		State:	CA
Phone:	818-793-4181	Country:	
Source Type:	Notification	Zip Code:	91105

123	1 of 1	NW	0.24 / 1,246.16	810.89 / 17	LOGIN PRINTER COMPANY 66 W WAVERLY DRIVE PASADENA CA 91105	RCRA SQG
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EPA Handler ID: CAD982467144
 Gen Status Universe: Small Quantity Generator
 Contact Name: ENVIRONMENTAL MANAGER
 Contact Address: 66 W WAVERLY DRIVE , , PASADENA , CA, 91105 , US
 Contact Phone No and Ext: 213-681-9559
 Contact Email:
 Contact Country: US
 County Name: LOS ANGELES
 EPA Region: 09
 Land Type: Other
 Receive Date: 19881031

Violation/Evaluation Summary

Note: NO RECORDS: As of Dec 2018, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
 Mixed Waste Generator: No

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Transporter Activity:		No				
Transfer Facility:		No				
Onsite Burner Exemption:		No				
Furnace Exemption:		No				
Underground Injection Activity:		No				
Commercial TSD:		No				
Used Oil Transporter:		No				
Used Oil Transfer Facility:		No				
Used Oil Processor:		No				
Used Oil Refiner:		No				
Used Oil Burner:		No				
Used Oil Market Burner:		No				
Used Oil Spec Marketer:		No				

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 19881031
Handler Name: LOGIN PRINTER COMPANY
Generator Status Universe: Small Quantity Generator
Source Type: Notification

Owner/Operator Details

Owner/Operator Ind:	Current Owner	Street No:	
Type:	Private	Street 1:	NOT REQUIRED
Name:	JIM PITTROFF	Street 2:	
Date Became Current:		City:	NOT REQUIRED
Date Ended Current:		State:	ME
Phone:	415-555-1212	Country:	
Source Type:	Notification	Zip Code:	99999

Owner/Operator Ind:	Current Operator	Street No:	
Type:	Private	Street 1:	NOT REQUIRED
Name:	NOT REQUIRED	Street 2:	
Date Became Current:		City:	NOT REQUIRED
Date Ended Current:		State:	ME
Phone:	415-555-1212	Country:	
Source Type:	Notification	Zip Code:	99999

124	1 of 1	NW	0.24 / 1,251.21	811.17 / 18	CALTECH WAVERLY WAREHOUSE 55 WAVERLY DR PASADENA CA 91105	RCRA SQG
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EPA Handler ID: CAR000016634
Gen Status Universe: Small Quantity Generator
Contact Name: LARRY MARTINEZ
Contact Address: 1200 E CALIFORNIA BLVD , , PASADENA , CA, 91125 , US
Contact Phone No and Ext: 818-395-6727
Contact Email:
Contact Country: US
County Name: LOS ANGELES
EPA Region: 09
Land Type: Private
Receive Date: 19961126

Violation/Evaluation Summary

Note: NO RECORDS: As of Dec 2018, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Importer Activity: No
 Mixed Waste Generator: No
 Transporter Activity: No
 Transfer Facility: No
 Onsite Burner Exemption: No
 Furnace Exemption: No
 Underground Injection Activity: No
 Commercial TSD: No
 Used Oil Transporter: No
 Used Oil Transfer Facility: No
 Used Oil Processor: No
 Used Oil Refiner: No
 Used Oil Burner: No
 Used Oil Market Burner: No
 Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
 Receive Date: 19961126
 Handler Name: CALTECH WAVERLY WAREHOUSE
 Generator Status Universe: Small Quantity Generator
 Source Type: Notification

Owner/Operator Details

Owner/Operator Ind:	Current Owner	Street No:	
Type:	Private	Street 1:	1200 E CALIFORNIA BLVD
Name:	CAL INSTITUTE OF TECH	Street 2:	
Date Became Current:		City:	PASADENA
Date Ended Current:		State:	CA
Phone:	818-395-6727	Country:	
Source Type:	Notification	Zip Code:	91125

125	1 of 1	SSW	0.24 / 1,266.93	771.85 / -22	COLLIS P & HOWARD 757 S RAYMOND AVE PASADENA CA 91105	UST
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Facility ID:	LACoFA0021665	Latitude:	34.13257
Permitting Agency:	Los Angeles County Fire Department	Longitude:	-118.14922
County:	Los Angeles		

126	1 of 2	NW	0.24 / 1,274.33	816.16 / 23	OMNIPATHOLOGY SOLUTIONS MEDICAL CORP 11 W DEL MAR BLVD STE 100 PASADENA CA 91105-2505	RCRA NON GEN
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EPA Handler ID: CAL000347500
 Gen Status Universe: No Report
 Contact Name: ELAN ZELENKA
 Contact Address: 11 W DEL MAR BLVD STE 203 , , PASADENA , CA, 91105 ,
 Contact Phone No and Ext: 626-744-5339
 Contact Email: EZELENKA@OMNIPATHOLOGY.COM
 Contact Country:
 County Name: LOS ANGELES
 EPA Region: 09
 Land Type:
 Receive Date: 20091029

Violation/Evaluation Summary

Note: NO RECORDS: As of Dec 2018, there are no Compliance Monitoring and Enforcement (violation) records

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
 Mixed Waste Generator: No
 Transporter Activity: Yes
 Transfer Facility: No
 Onsite Burner Exemption: No
 Furnace Exemption: No
 Underground Injection Activity: No
 Commercial TSD: No
 Used Oil Transporter: No
 Used Oil Transfer Facility: No
 Used Oil Processor: No
 Used Oil Refiner: No
 Used Oil Burner: No
 Used Oil Market Burner: No
 Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
 Receive Date: 20091029
 Handler Name: OMNIPATHOLOGY SOLUTIONS MEDICAL CORP
 Generator Status Universe: No Report
 Source Type: Implementer

Owner/Operator Details

Owner/Operator Ind:	Current Operator	Street No:	
Type:	Other	Street 1:	11 W DEL MAR BLVD STE 203
Name:	ELAN ZELENKA	Street 2:	
Date Became Current:		City:	PASADENA
Date Ended Current:		State:	CA
Phone:	626-744-5339	Country:	
Source Type:	Implementer	Zip Code:	91105

Owner/Operator Ind:	Current Owner	Street No:	
Type:	Other	Street 1:	11 W DEL MAR BLVD STE 203
Name:	OMNIPATHOLOGY SOLUTIONS MEDICAL COR	Street 2:	
Date Became Current:		City:	PASADENA
Date Ended Current:		State:	CA
Phone:	626-744-5339	Country:	
Source Type:	Implementer	Zip Code:	91105-2505

126	2 of 2	NW	0.24 / 1,274.33	816.16 / 23	GENZYME GENETICS 11 W DEL MAR BLVD PASADENA CA 91105	RCRA SQG
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EPA Handler ID: CAD981626575
 Gen Status Universe: Small Quantity Generator
 Contact Name: GARY A KORN
 Contact Address: 11 W DEL MAR BLVD , , PASADENA , CA, 91105 , US
 Contact Phone No and Ext: 626-356-3400 457
 Contact Email: GARYK@ALFIGEN.COM
 Contact Country: US
 County Name: LOS ANGELES
 EPA Region: 09
 Land Type: Private
 Receive Date: 20040323

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Violation/Evaluation Summary

Note: NO RECORDS: As of Dec 2018, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	2
Receive Date:	20040323
Handler Name:	GENZYME GENETICS
Generator Status Universe:	Small Quantity Generator
Source Type:	Notification

Waste Code Details

Hazardous Waste Code:	D002
Waste Code Description:	CORROSIVE WASTE

Hazardous Waste Code:	D001
Waste Code Description:	IGNITABLE WASTE

Hazardous Waste Code:	F003
Waste Code Description:	THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	19870126
Handler Name:	GENETICS INSTITUTE THE
Generator Status Universe:	Small Quantity Generator
Source Type:	Notification

Owner/Operator Details

Owner/Operator Ind:	Current Operator	Street No:	
Type:	Private	Street 1:	NOT REQUIRED
Name:	NOT REQUIRED	Street 2:	
Date Became Current:		City:	NOT REQUIRED

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Date Ended Current:				State:	ME	
Phone:	415-555-1212			Country:		
Source Type:	Notification			Zip Code:	99999	
Owner/Operator Ind:	Current Owner			Street No:		
Type:	Private			Street 1:	NOT REQUIRED	
Name:	OMAR S ALFI MD			Street 2:		
Date Became Current:				City:	NOT REQUIRED	
Date Ended Current:				State:	ME	
Phone:	415-555-1212			Country:		
Source Type:	Notification			Zip Code:	99999	
Owner/Operator Ind:	Current Operator			Street No:		
Type:	Private			Street 1:		
Name:	GENZYME GENETICS			Street 2:		
Date Became Current:	20040221			City:		
Date Ended Current:				State:		
Phone:				Country:	US	
Source Type:	Notification			Zip Code:		
Owner/Operator Ind:	Current Owner			Street No:		
Type:	Private			Street 1:	500 KENDALL ST	
Name:	GENZYME CORP			Street 2:		
Date Became Current:	20040221			City:	CAMBRIDGE	
Date Ended Current:				State:	MA	
Phone:				Country:	US	
Source Type:	Notification			Zip Code:	02142	
<hr/>						
127	1 of 1	WSW	0.25 / 1,299.59	800.28 / 7	Huntington Hospital 100 W California Blvd Pasadena CA 91105	UST
Facility ID:	LACoFA0006340			Latitude:	34.13574	
Permitting Agency:	Los Angeles County Fire Department			Longitude:	-118.15237	
County:	Los Angeles					
<hr/>						
128	1 of 4	SW	0.25 / 1,306.59	793.07 / 0	HUNTINGTON MEMORIAL HOSPITAL U 100 CONGRESS ST PASADENA CA 91105	EMISSIONS
<hr/>						
<u>1996 Criteria Data</u>						
Facility ID:	16071			CERR Code:		
Facility SIC Code:	8062			TOGT:	2.7	
CO:	19			ROGT:	1.23804	
Air Basin:	SC			COT:	5.3	
District:	SC			NOXT:	19.6	
COID:	LA			SOXT:	.1	
DISN:	SOUTH COAST AQMD			PMT:	1.2	
CHAPIS:				PM10T:	1.1976	
<hr/>						
<u>1996 Toxic Data</u>						
Facility ID:	16071			COID:	LA	
Facility SIC Code:	8062			DISN:	SOUTH COAST AQMD	
CO:	19			CHAPIS:		
Air Basin:	SC			CERR Code:		
District:	SC					
TS:						
Health Risk Asmt:						
Non-Cancer Chronic Haz Ind:						
Non-Cancer Acute Haz Ind:						

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<u>1997 Toxic Data</u>						
Facility ID:	16071			COID:	LA	
Facility SIC Code:	8062			DISN:	SOUTH COAST AQMD	
CO:	19			CHAPIS:		
Air Basin:	SC			CERR Code:		
District:	SC					
TS:						
Health Risk Asmt:						
Non-Cancer Chronic Haz Ind:						
Non-Cancer Acute Haz Ind:						
<u>1998 Toxic Data</u>						
Facility ID:	16071			COID:	LA	
Facility SIC Code:	8062			DISN:	SOUTH COAST AQMD	
CO:	19			CHAPIS:		
Air Basin:	SC			CERR Code:		
District:	SC					
TS:						
Health Risk Asmt:						
Non-Cancer Chronic Haz Ind:						
Non-Cancer Acute Haz Ind:						
<u>1999 Toxic Data</u>						
Facility ID:	16071			COID:	LA	
Facility SIC Code:	8062			DISN:	SOUTH COAST AQMD	
CO:	19			CHAPIS:		
Air Basin:	SC			CERR Code:		
District:	SC					
TS:						
Health Risk Asmt:						
Non-Cancer Chronic Haz Ind:						
Non-Cancer Acute Haz Ind:						
<u>2000 Toxic Data</u>						
Facility ID:	16071			COID:	LA	
Facility SIC Code:	8062			DISN:	SOUTH COAST AQMD	
CO:	19			CHAPIS:		
Air Basin:	SC			CERR Code:		
District:	SC					
TS:						
Health Risk Asmt:						
Non-Cancer Chronic Haz Ind:						
Non-Cancer Acute Haz Ind:						
<u>2001 Toxic Data</u>						
Facility ID:	16071			COID:	LA	
Facility SIC Code:	8062			DISN:	SOUTH COAST AQMD	
CO:	19			CHAPIS:		
Air Basin:	SC			CERR Code:		
District:	SC					
TS:						
Health Risk Asmt:						
Non-Cancer Chronic Haz Ind:						
Non-Cancer Acute Haz Ind:						

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
128	2 of 4	SW	0.25 / 1,306.59	793.07 / 0	HUNTINGTON MEM HOSP 100 CONGRESS ST PASADENA CA 91105	EMISSIONS

1987 Criteria Data

Facility ID:	16071	CERR Code:	
Facility SIC Code:	8062	TOGT:	4.1
CO:	19	ROGT:	3.42603
Air Basin:	SC	COT:	4.7
District:	SC	NOXT:	17.3
COID:	LA	SOXT:	.1
DISN:	SOUTH COAST AQMD	PMT:	1
CHAPIS:		PM10T:	1

1987 Toxic Data

Facility ID:	16071	COID:	LA
Facility SIC Code:	8062	DISN:	SOUTH COAST AQMD
CO:	19	CHAPIS:	
Air Basin:	SC	CERR Code:	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

1990 Criteria Data

Facility ID:	16071	CERR Code:	
Facility SIC Code:	8062	TOGT:	8.8
CO:	19	ROGT:	1.33784
Air Basin:	SC	COT:	4.2
District:	SC	NOXT:	15.8
COID:	LA	SOXT:	.1
DISN:	SOUTH COAST AQMD	PMT:	.9
CHAPIS:		PM10T:	.9

1990 Toxic Data

Facility ID:	16071	COID:	LA
Facility SIC Code:	8062	DISN:	SOUTH COAST AQMD
CO:	19	CHAPIS:	
Air Basin:	SC	CERR Code:	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

1993 Criteria Data

Facility ID:	16071	CERR Code:	
Facility SIC Code:	8062	TOGT:	7
CO:	19	ROGT:	1.28027
Air Basin:	SC	COT:	5.3
District:	SC	NOXT:	19.9
COID:	LA	SOXT:	.2
DISN:	SOUTH COAST AQMD	PMT:	1.2
CHAPIS:		PM10T:	1.1976

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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1993 Toxic Data

Facility ID:	16071	COID:	LA
Facility SIC Code:	8062	DISN:	SOUTH COAST AQMD
CO:	19	CHAPIS:	
Air Basin:	SC	CERR Code:	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

1995 Criteria Data

Facility ID:	16071	CERR Code:	
Facility SIC Code:	8062	TOGT:	7
CO:	19	ROGT:	1.28027
Air Basin:	SC	COT:	5.3
District:	SC	NOXT:	19.9
COID:	LA	SOXT:	.2
DISN:	SOUTH COAST AQMD	PMT:	1.2
CHAPIS:		PM10T:	1.1976

1995 Toxic Data

Facility ID:	16071	COID:	LA
Facility SIC Code:	8062	DISN:	SOUTH COAST AQMD
CO:	19	CHAPIS:	
Air Basin:	SC	CERR Code:	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

[128](#)

3 of 4

SW

0.25 /
1,306.59

793.07 /
0

HUNTINGTON MEMORIAL
HOSPITAL
100 CONGRESS ST.
PASADENA CA 91105

HHSS

County: Los Angeles
Pdf File Url: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00026efc.pdf>

[128](#)

4 of 4

SW

0.25 /
1,306.59

793.07 /
0

HUNTINGTON MEMORIAL
HOSPITAL
100 CONGRESS ST.
PASADENA CA

HIST TANK

Owner Name:	HUNTINGTON MEMORIAL HOSPITAL	No of Containers:	4
Owner Street:	100 CONGRESS ST.	County:	LOS ANGELES
Owner City:	PASADENA	Facility State:	CA
Owner State:	CA	Facility Zip:	91105
Owner Zip:	91105		

[129](#)

1 of 1

S

0.25 /
1,309.71

770.50 /
-23

Inter-Modal
750 South Raymond Avenue 766
South Raymond Avenue
Pasadena CA 91105

FED
BROWNFIELDS

Type of Funding: Hazardous & Petroleum
Acres Property ID: 11229
Property Size(Acres): 1.44

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<hr/>						
Local Property No:						
Ownership Entity:						
Current Owner:						
Did Ownership Change:						
Sfillp Fact into the Owship:						
Latitude:			34.1328252			
Longitude:			-118.1487626			
Horizontal Collection Mthd:			Address Matching-House Number			
Source Map Scale:						
Reference Point:			Entrance Point of a Facility or Station			
Horiz Reference Datum:			North American Datum of 1983			
Cleanup Required:			U			
Cntmnt Fnd Ctrl Sbstncls:						
Cntmnt Fnd Petroleum:						
Cntmnt Fnd Asbestos:						
Cntmnt Fnd Lead:						
Cntmnt Fnd Pahs:						
Cntmnt Fnd Pcb:						
Cntmnt Fnd Vocs:						
Cntmnt Fnd Selenium:						
Cntmnt Fnd Iron:						
Cntmnt Fnd Arsenic:						
Cntmnt Fnd Cadmium:						
Cntmnt Fnd Chromium:						
Cntmnt Fnd Copper:						
Cntmnt Fnd Mercury:						
Cntmnt Fnd Nickel:						
Cntmnt Fnd Pesticides:						
Cntmnt Fnd Svocs:						
Cntmnt Fnd Other Metals:						
Cntmnt Fnd Other:						
Cntmnt Fnd Other Descr :						
Cntmnt Fnd Unknown:						
Cntmnt Fnd None:						
Cntmnt Clnd Up Ctl Sbst:						
Cntmnt Clnd Up Petroleum:						
Cntmnt Clnd Up Asbestos:						
Cntmnt Clnd Up Lead:						
Cntmnt Clnd Up PAHs:						
Cntmnt Clnd Up PCBs:						
Cntmnt Clnd Up VOCs:						
Cntmnt Clnd Up Selenium:						
Cntmnt Clnd Up Iron:						
Cntmnt Clnd Up Arsenic:						
Cntmnt Clnd Up Cadmium:						
Cntmnt Clnd Up Chromium:						
Cntmnt Clnd Up Copper:						
Cntmnt Clnd Up Mercury:						
Cntmnt Clnd Up Nickel:						
Cntmnt Clnd Up Pesticides:						
Cntmnt Clnd Up Svocs:						
Cntmnt Clnd Oth Metals:						
Cntmnt Clnd Up Other:						
Cntmnt Clnd Up Oth Descr:						
Cntmnt Clnd Up Unknown:						
Cntmnt Clnd Up None:						
Media Affected Air:						
Media Affected Sediments:						
Media Affected Soil:						
Media Affect Drnking Wtr:						
Media Affected Grnd Wtr:						
Media Affctd Surf Wtr:						
Media Affctd Bldg Matrls:						
Media Affected Indoor Air:						
Media Affected None:						
Media Affected Unknown:						
Media Clnd Up Air:						
Media Clnd Up Sediments:						
Media Clnd Up Soil:						

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Media Cln Up Drnk Wtr:						
Media Cln Up Grnd Wtr:						
Media Cln Up Surf Wtr:						
Media Cln Up Bldg Mats:						
Media Cln Up Indoor Air:						
Media Cln Up Unknown:						
St Tribal Prg ID No:						
Further Action Cleanup:						
Enrollment St Tribal Prg:						
Institutional Ctrl ICs Req:	U					
IC Catgry Proprietary Ctrl:						
IC Catgry Informational Dev:						
IC Catgry Govmntal Ctrl:						
IC Catgry Enfr Prmt Tls:						
ICs in Place:						
Date ICs in Place:						
Photographs are Available:						
Video is Available:						
Description History:						
--Details--						
Grant Recipient Name:			R9 Brownfields TBA (previously Superfund TBA)			
Accomplishment Counted:			1			
Cooperative Agrment No:			n/a			
Type Brownfields Grant:			TBA			
Assessment Phase:			Phase I Environmental Assessment			
Assessment Start Date:			02/28/2001 00:00:00			
Assessment Compltn Dt:			02/28/2001 00:00:00			
Srce of Assessment Fund:			US EPA - TBA Funding			
Entity Prov Assmnt Fund:			EPA			
Assessment Funding Amt:			15660			
Cleanup Start Date:						
Cleanup Completion Date:						
Acres Cleaned Up:						
Cleanup Funding Source:						
Entity Prvd Cleanup Fund:						
Cleanup Funding Amount:						
Redevelopment Start Dt:						
No of Clnup/Redev Jobs:						
Acre/Grnspace Created:						
Src of Redev Funding:						
Entity Prvd Redev Funds:						
Redev Funding Amount:						
Highlights:						
IC Data Address:						
Redev Completion Date:						
Past Use Greenspace Arces:						
Past Use Residential Arces:						
Past Use Commercial Arces:						
Past Use Industrial Arces:						
Past Use Multistory Arces:						
Future Use Multistory Arces:						
Future Use Greenspace:						
Future Use Residential:						
Future Use Commercial:						
Future Use Industrial:						
2010 Below Poverty No:			408			
2010 Below Poverty Pct:			7.6%			
2010 Median Income:			20308			
2010 Low Income No:			903			
2010 Low Income Pct:			16.7%			
2010 Vacant Housing No:			109			
2010 Vac Housing Pct:			4.0%			
2010 Unemployed No:			378			
2010 Unemployed:			7.0%			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
130	1 of 2	WSW	0.28 / 1,462.57	805.23 / 12	HUNTINGTON HOSPITAL MERCURY 100 WEST CALIFORNIA PASADENA, CA 91105	CERCLIS

Site ID:	0908522	RNPL Status Code:	N
Site EPA ID:	CAN000908522	NPL Status:	Not on the NPL
Site Street Address 2:		RFED Facility Code:	N
Site County Name:	LOS ANGELES	RFED Facility Desc:	Not a Federal Facility
Site FIPS Code:	06037	USGS Hydro Unit No.:	
Region Code:	09	Site Cong. Dist. Code:	
Site SMSA No.:		ROT Desc:	
Site Prim. Latitude:		FR NPL Update No.:	
Site Prim. Longitude:		RFRA Code:	
Lat Long Source:			
RNON NPL Status Desc:	Removal Only Site (No Site Assessment Work Needed)		

CERCLIS Site Contact Name(s)

Person ID:	13003858.00
First Name:	Sharon
Last Name:	Murray
Phone No.:	4159724250
Email:	

CERCLIS Site Contact Name(s)

Person ID:	13004003.00
First Name:	Carl
Last Name:	Brickner
Phone No.:	
Email:	

CERCLIS Site Contact Name(s)

Person ID:	13003854.00
First Name:	Leslie
Last Name:	Ramirez
Phone No.:	4159723978
Email:	

CERCLIS Site Contact Name(s)

Person ID:	9270721.00
First Name:	Robert
Last Name:	Wise
Phone No.:	5624996312
Email:	

CERCLIS Assess History

OU ID:	00	RALT Short Name:	
Act Code ID:		Act Start Date:	
RAT Code:		Act Complete Date:	
RAT Short Name:		AGT Order No.:	0
RAT Name:		SH OU:	
RAT Hist. Only Flag:		SH Code:	
RAT NSI Indicator:		SH Seq:	
RAT Level:		SH Start Date:	
RAT DEF OU:		SH Complete Date:	
RFBS Code:		SH Lead:	
SPA Code:			
RAT Def:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Site Desc:		No description available				
Site Alias:		No alias data available				
<u>CERCLIS Assess History</u>						
OU ID:	00				RALT Short Name:	PRP Rsp Fed
Act Code ID:	001				Act Start Date:	7/17/2007 00:00:00
RAT Code:	PJ				Act Complete Date:	8/11/2007 00:00:00
RAT Short Name:	RP EM REM				AGT Order No.:	95
RAT Name:	POTENTIALLY RESPONSIBLE PARTY EMERGENCY REMOVAL				SH OU:	
RAT Hist. Only Flag:					SH Code:	
RAT NSI Indicator:	B				SH Seq:	
RAT Level:	1				SH Start Date:	
RAT DEF OU:					SH Complete Date:	
RFBS Code:					SH Lead:	
SPA Code:	13					
RAT Def:	The PRP or their contractors have begun construction work on-site in response to an emergency incident, and EPA provides on-site technical oversight and/or is part of an incident command system/unified command. The date of construction is reported in WasteLAN as the PRP Emergency Removal actual start date.					
Site Desc:						
Site Alias:						

130	2 of 2	WSW	0.28 / 1,462.57	805.23 / 12	HUNTINGTON HOSPITAL MERCURY 100 WEST CALIFORNIA PASADENA, CA 91105	SEMS
Site ID:	0908522				Cong District:	
EPA ID:	CAN000908522				County:	LOS ANGELES
Federal Facility:	No				Region:	09
NPL:	Not on the NPL				Latitude:	34.135776
FIPS Code:	6037				Longitude:	-118.151826
Non NPL Status:	Removal Only Site (No Site Assessment Work Needed)					
Last Appeared on SEMS List:	14-NOV-2018					
<u>Action Information</u>						
Operable Units:	00				Start Actual:	07/17/2007
Action Code:	PJ				Finish Actual:	08/11/2007
Action Name:	RP EM REM				Qual:	C
SEQ:	1				Curr Action Lead:	EPA Ovrsght
Operable Units:	00				Start Actual:	07/17/2007
Action Code:	PJ				Finish Actual:	08/11/2007
Action Name:	RP EM REM				Qual:	C
SEQ:	1				Curr Action Lead:	EPA Ovrsght

131	1 of 1	SSW	0.30 / 1,565.20	768.07 / -25	HUNTINGTON MEDICAL PLAZA N.W. CORNER OF FAIR OAKS & BELLEFONTAINE PASADENA CA 91105	ENVIROSTOR
Estor/EPA ID:	19800027				Permit Renewal Lead:	
Site Code:					Project Manager:	
Nat Priority List:	NO				Supervisor:	SAYAREH AMIREBRAHIMI
Acres:	0.1 ACRES				Public Partici Spclst:	
Special Program:					Census Tract:	6037464000
Funding:	RESPONSIBLE PARTY				County:	LOS ANGELES
Assembly District:	41				Latitude:	34.13177
Senate District:	25				Longitude:	-118.14944
School District:						
APN:	NONE SPECIFIED					
Cleanup Status:	CERTIFIED AS OF 9/1/1984					

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Cleanup Oversight Agencies: NONE SPECIFIED Site Type: STATE RESPONSE OR NPL Office: CLEANUP CHATSWORTH Past Use that Caused Contam: FUEL - VEHICLE STORAGE/ REFUELING, VEHICLE MAINTENANCE Potential Media Affected: SOIL, SOIL VAPOR Potential Contamin of Concern: BENZENE, TETRACHLOROETHYLENE (PCE) Site History: During development of the ancillary property next to Huntington Memorial Hospital, eleven usts were encountered. The tanks were removed and the cleanup was certified. Status: CERTIFIED Program Type: STATE RESPONSE CalEnviroScreen Score: 16-20% Summary Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=19800027						
Completed Activities						
Title:		Certification				
Title Link:						
Area Name:						
Area Link:						
Sub Area:						
Sub Area Link:						
Document Type:		Certification				
Date Completed:		9/1/1984				
Comments:		Our records do not indicate the actual date this site was certified. Our records show 09/1984. We have used the date 09/01/1984 because this gives us the earliest statute of limitations.				
132	1 of 1	SW	0.30 / 1,578.27	785.32 / -8	PASADENA SURGERY CENTER 800 S FAIRMOUNT AVE # 419 PASADENA CA 91105	DELISTED HAZ
Siteid:		55649				
Latitude:		34.132800				
Longitude:		-118.151760				
Original Source:		CHAZ				
Record Date:		09-JUL-2018				
133	1 of 2	S	0.31 / 1,644.89	765.99 / -28	SO CAL GAS/PASADENA MGP 815, 859 & 870 SOUTH RAYMOND AVENUE PASADENA CA 91105	ENVIROSTOR
Estor/EPA ID:		19490225		Permit Renewal Lead:		
Site Code:		301559		Project Manager:		CHAND SULTANA
Nat Priority List:		NO		Supervisor:		ALLAN PLAZA
Acres:		2.4 ACRES		Public Partici Spclst:		TIMOTHY CHAUVEL
Special Program:		VOLUNTARY CLEANUP PROGRAM		Census Tract:		6037464000
Funding:		SITE PROPONENT		County:		LOS ANGELES
Assembly District:		41		Latitude:		34.1314179098417
Senate District:		25		Longitude:		-118.148568570614
School District:						
APN:		5720-004-003, 5720-004-006, 5720-008-905, 5720004003, 5720004006, 5720008905				
Cleanup Status:		ACTIVE AS OF 4/30/2001				
Cleanup Oversight Agencies:		DTSC - SITE CLEANUP PROGRAM - LEAD AGENCY				
Site Type:		VOLUNTARY CLEANUP				
Office:		CLEANUP CHATSWORTH				
Past Use that Caused Contam:		MANUFACTURED GAS PLANT				
Potential Media Affected:		OTHER GROUNDWATER AFFECTED (USES OTHER THAN DRINKING WATER), SOIL				
Potential Contamin of Concern:						

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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CYANIDE (FREE), METALS, UNCATEGORIZED

Site History:

In the early 1900's this 2.4 acre site was used by the gas company for the production of manufactured gas which is made from coal and oil. The former gas plant property is presently occupied by several industrial and warehouse structures. Byproduct residues have been found in soils at this former gas plant site. PAH's and heavy metals such as lead and arsenic were found at this site. In January 2006 a removal action was completed at the site.

Status:	ACTIVE
Program Type:	VOLUNTARY CLEANUP
CalEnviroScreen Score:	16-20%
Summary Link:	http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=19490225

Future Activities

Area Name:	
Area Link:	
Sub Area:	
Sub Area Link:	
Document Type:	Land Use Restriction
Due Date:	2020

Area Name:	
Area Link:	
Sub Area:	
Sub Area Link:	
Document Type:	5 Year Review Reports
Due Date:	2026

Area Name:	
Area Link:	
Sub Area:	
Sub Area Link:	
Document Type:	Certification
Due Date:	2021

Completed Activities

Title:	Removal Action Workplan - Former USPS Annex
Title Link:	http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=19490225&doc_id=60286708
Area Name:	
Area Link:	
Sub Area:	
Sub Area Link:	
Document Type:	Removal Action Workplan
Date Completed:	1/18/2012
Comments:	

Title:	Implement Removal Action
Title Link:	
Area Name:	
Area Link:	
Sub Area:	
Sub Area Link:	
Document Type:	Fieldwork
Date Completed:	2/6/2006
Comments:	Fieldwork completed

Title:	Multi-site agreement for the following MGP sites: Colton, Elsinore, Fullerton, LA/Alameda and Pasadena
Title Link:	
Area Name:	
Area Link:	
Sub Area:	
Sub Area Link:	
Document Type:	Voluntary Cleanup Agreement
Date Completed:	4/30/2001

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Comments:						
Title:					Public Notice for Removal Action Workplan	
Title Link:					http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=19490225&doc_id=60283659	
Area Name:						
Area Link:						
Sub Area:						
Sub Area Link:						
Document Type:					Public Notice	
Date Completed:					12/7/2011	
Comments:					Approved and ready for publishing	
Title:					VCA with USPS for former USPS facility in Pasadena	
Title Link:					http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=19490225&enforcement_id=60350927	
Area Name:						
Area Link:						
Sub Area:						
Sub Area Link:						
Document Type:					Voluntary Cleanup Agreement	
Date Completed:					7/6/2011	
Comments:						
Title:					Order	
Title Link:					http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=19490225&enforcement_id=6008801	
Area Name:						
Area Link:						
Sub Area:						
Sub Area Link:						
Document Type:					Voluntary Cleanup Agreement	
Date Completed:					1/3/1996	
Comments:					DTSC issued a Supplemental PEA Order to the Southern California Gas Comapny to assess the soil at the site sufficiently to determine the nature and extent of soil contamination.	
Title:					RA Completion Report & Request for Closure	
Title Link:					http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=19490225&doc_id=60364355	
Area Name:						
Area Link:						
Sub Area:						
Sub Area Link:						
Document Type:					Removal Action Completion Report	
Date Completed:					6/27/2014	
Comments:					RA and Request for Closure Approval	
Title:					Site Screening	
Title Link:						
Area Name:						
Area Link:						
Sub Area:						
Sub Area Link:						
Document Type:					Site Screening	
Date Completed:					4/6/1992	
Comments:					The site consists of 2.4 acres. The former gas plant prop- erty is presently occupied by several industrial and warehousing concerns. The surrounding area is fully developed and occuipied by commercial and industrial uses. Black discolored soil was noted in the 1966 Site Recon- naissance. In the early 1900s, the site was used by gas companies for the production of 'manufactured gas,' made from coal and oil. The byproducts from this operation were tars, oils, sludges, lampblack, etc, which were sold for various industrial uses. Some of these byproduct residues have been found in soils at former towne gas plant sites. Out of these, polycyclic aromatic hydrocarbons (PAH) are hazardous. Also, elevated levels of heavy metals such as lead, arsenic, and cyanides were found at a few sites. A PEA is required at the site to determine if any emergency removal aciton is required to reduce the potential threat to public health & the environment. The Dept received a Notice of Intent dated March 20, 1992, to initiate the PEA.	
Title:					Removal Action Completion Report - Former Pasadena MGP Site	
Title Link:					http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=19490225&doc_id=6013760	
Area Name:						
Area Link:						
Sub Area:						
Sub Area Link:						
Document Type:					Removal Action Completion Report	

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction</i>	<i>Distance (mi/ft)</i>	<i>Elev/Diff (ft)</i>	<i>Site</i>	<i>DB</i>
Date Completed:		3/29/2007				
Comments:		Remedial Action Completion report approved for all three parcels. Parcel 815 has been remediated to unrestricted land use standards. For Parcels 835 and 859 the accessible areas have been remediated to unrestricted land use standards however there remains some contamination beneath the existing structures. This contamination will be remediated at a later time when those soils become accessible. Institutional controls will be utilized for the remaining contamination at these two parcels to prevent inappropriate land uses.				
Title:		Notice of Exemption - Pasadena Removal Action Workplan				
Title Link:		http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=19490225&enforcement_id=60286707				
Area Name:						
Area Link:						
Sub Area:						
Sub Area Link:						
Document Type:		CEQA - Notice of Exemption				
Date Completed:		2/26/2012				
Comments:						
Title:		Preliminary Endangerment Assessment Report				
Title Link:						
Area Name:						
Area Link:						
Sub Area:						
Sub Area Link:						
Document Type:		Preliminary Endangerment Assessment Report				
Date Completed:		8/1/1996				
Comments:		DTSC completed review of the Supplemental PEA and determined "No further action is necessary, with respect to investigati and remediation of hazardous substances at the site"				
Title:		Cost Estimate Letter for FY 2010-2011				
Title Link:		http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=19490225&enforcement_id=60259596				
Area Name:						
Area Link:						
Sub Area:						
Sub Area Link:						
Document Type:		Correspondence				
Date Completed:		10/19/2010				
Comments:		Draft and send out cost estimate letter for fiscal year 2010-2011				
Title:		Addendum Workplan for Additional Investigation at 859 Raymond				
Title Link:						
Area Name:						
Area Link:						
Sub Area:						
Sub Area Link:						
Document Type:		Technical Workplan				
Date Completed:		12/20/2005				
Comments:		Workplan is for some supplemental characterization at 859 Raymond Ave, Pasadena. Sample locations were previously discussed and approval was given in the form of an email.				
Title:		Fact Sheet regarding RAW and work schedule				
Title Link:		http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=19490225&doc_id=60283661				
Area Name:						
Area Link:						
Sub Area:						
Sub Area Link:						
Document Type:		Fact Sheets				
Date Completed:		12/7/2011				
Comments:		Fact Sheet finalized and approved				
Title:		Preliminary Endangerment Assessment Report				
Title Link:						
Area Name:						
Area Link:						
Sub Area:						
Sub Area Link:						
Document Type:		Preliminary Endangerment Assessment Report				
Date Completed:		8/24/1992				
Comments:		The Dept completed review of PEA and recommended for further action.				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<hr/>						
Title:	Community Profile for Former USPS Property, Pasadena, CA					
Title Link:	http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=19490225&doc_id=60286191					
Area Name:						
Area Link:						
Sub Area:						
Sub Area Link:						
Document Type:	Community Profile					
Date Completed:	12/12/2011					
Comments:	Community Profile completed and approved					
Title:	Preliminary Endangerment Assessment Report					
Title Link:						
Area Name:						
Area Link:						
Sub Area:						
Sub Area Link:						
Document Type:	Preliminary Endangerment Assessment Report					
Date Completed:	2/27/2004					
Comments:	Site Characterization complete. Chemicals of concern in soil include PAH and Lead. A Removal Action Plan is being prepared for the Site.					
Title:	2015-2016 Estimated Oversight Costs					
Title Link:	http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=19490225&enforcement_id=60400668					
Area Name:						
Area Link:						
Sub Area:						
Sub Area Link:						
Document Type:	Annual Oversight Cost Estimate					
Date Completed:	9/11/2015					
Comments:	completed					
Title:	Field Sampling Workplan, Phase 2					
Title Link:	http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=19490225&doc_id=60281473					
Area Name:						
Area Link:						
Sub Area:						
Sub Area Link:						
Document Type:	Remedial Investigation Workplan					
Date Completed:	7/27/2011					
Comments:						

133	2 of 2	S	0.31 / 1,644.89	765.99 / -28	SO CAL GAS/PASADENA MGP 815, 859 & 870 SOUTH RAYMOND AVENUE PASADENA CA 91105	VCP
Estor/EPA ID:	19490225					
Site Code:	301559					
Nat Priority List:	NO					
Acres:	2.4 ACRES					
Special Program:	VOLUNTARY CLEANUP PROGRAM					
Funding:	SITE PROPONENT					
Assembly District:	41					
Senate District:	25					
School District:						
APN:	5720-004-003, 5720-004-006, 5720-008-905, 5720004003, 5720004006, 5720008905					
Cleanup Status:	ACTIVE AS OF 4/30/2001					
Cleanup Oversight Agencies:	DTSC - SITE CLEANUP PROGRAM - LEAD AGENCY					
Site Type:	VOLUNTARY CLEANUP					
Office:	CLEANUP CHATSWORTH					
Past Use that Caused Contam:	MANUFACTURED GAS PLANT					
Potential Media Affected:	OTHER GROUNDWATER AFFECTED (USES OTHER THAN DRINKING WATER), SOIL					
Potential Contamin of Concern:						

CYANIDE (FREE), METALS, UNCATEGORIZED

Site History:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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In the early 1900's this 2.4 acre site was used by the gas company for the production of manufactured gas which is made from coal and oil. The former gas plant property is presently occupied by several industrial and warehouse structures. Byproduct residues have been found in soils at this former gas plant site. PAH's and heavy metals such as lead and arsenic were found at this site. In January 2006 a removal action was completed at the site.

Status: ACTIVE
Program Type: VOLUNTARY CLEANUP
CalEnviroScreen Score: 16-20%
Summary Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=19490225

Future Activities

Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Land Use Restriction
Due Date: 2020

Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: 5 Year Review Reports
Due Date: 2026

Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Certification
Due Date: 2021

Completed Activities

Title: Removal Action Workplan - Former USPS Annex
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=19490225&doc_id=60286708
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Removal Action Workplan
Date Completed: 1/18/2012
Comments:

Title: 2015-2016 Estimated Oversight Costs
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=19490225&enforcement_id=60400668
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Annual Oversight Cost Estimate
Date Completed: 9/11/2015
Comments: completed

Title: Preliminary Endangerment Assessment Report
Title Link:
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Preliminary Endangerment Assessment Report
Date Completed: 8/24/1992
Comments: The Dept completed review of PEA and recommended for further action.

Title: Cost Estimate Letter for FY 2010-2011
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=19490225&enforcement_id=60259596

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<hr/>						
Area Name:						
Area Link:						
Sub Area:						
Sub Area Link:						
Document Type:		Correspondence				
Date Completed:		10/19/2010				
Comments:		Draft and send out cost estimate letter for fiscal year 2010-2011				
Title:		VCA with USPS for former USPS facility in Pasadena				
Title Link:		http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=19490225&enforcement_id=60350927				
Area Name:						
Area Link:						
Sub Area:						
Sub Area Link:						
Document Type:		Voluntary Cleanup Agreement				
Date Completed:		7/6/2011				
Comments:						
Title:		Order				
Title Link:		http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=19490225&enforcement_id=6008801				
Area Name:						
Area Link:						
Sub Area:						
Sub Area Link:						
Document Type:		Voluntary Cleanup Agreement				
Date Completed:		1/3/1996				
Comments:		DTSC issued a Supplemental PEA Order to the Southern California Gas Comapny to assess the soil at the site sufficiently to determine the nature and extent of soil contamination.				
Title:		Removal Action Completion Report - Former Pasadena MGP Site				
Title Link:		http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=19490225&doc_id=6013760				
Area Name:						
Area Link:						
Sub Area:						
Sub Area Link:						
Document Type:		Removal Action Completion Report				
Date Completed:		3/29/2007				
Comments:		Remedial Action Completion report approved for all three parcels. Parcel 815 has been remediated to unrestricted land use standards. For Parcels 835 and 859 the accessible areas have been remediated to unrestricted land use standards however there remains some contamination beneath the existing structures. This contamination will be remediated at a later time when those soils become accessible. Institutional controls will be utilized for the remaining contamination at these two parcels to prevent inappropriate land uses.				
Title:		Field Sampling Workplan, Phase 2				
Title Link:		http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=19490225&doc_id=60281473				
Area Name:						
Area Link:						
Sub Area:						
Sub Area Link:						
Document Type:		Remedial Investigation Workplan				
Date Completed:		7/27/2011				
Comments:						
Title:		Preliminary Endangerment Assessment Report				
Title Link:						
Area Name:						
Area Link:						
Sub Area:						
Sub Area Link:						
Document Type:		Preliminary Endangerment Assessment Report				
Date Completed:		2/27/2004				
Comments:		Site Characterization complete. Chemicals of concern in soil include PAH and Lead. A Removal Action Plan is being prepared for the Site.				
Title:		Notice of Exemption - Pasadena Removal Action Workplan				
Title Link:		http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=19490225&enforcement_id=60286707				
Area Name:						
Area Link:						
Sub Area:						

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<hr/>						
Sub Area Link:						
Document Type:		CEQA - Notice of Exemption				
Date Completed:		2/26/2012				
Comments:						
Title:		Preliminary Endangerment Assessment Report				
Title Link:						
Area Name:						
Area Link:						
Sub Area:						
Sub Area Link:						
Document Type:		Preliminary Endangerment Assessment Report				
Date Completed:		8/1/1996				
Comments:		DTSC completed review of the Supplemental PEA and determined "No further action is necessary, with respect to investigati and remediation of hazardous substances at the site"				
Title:		Community Profile for Former USPS Property, Pasadena, CA				
Title Link:		http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=19490225&doc_id=60286191				
Area Name:						
Area Link:						
Sub Area:						
Sub Area Link:						
Document Type:		Community Profile				
Date Completed:		12/12/2011				
Comments:		Community Profile completed and approved				
Title:		Fact Sheet regarding RAW and work schedule				
Title Link:		http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=19490225&doc_id=60283661				
Area Name:						
Area Link:						
Sub Area:						
Sub Area Link:						
Document Type:		Fact Sheets				
Date Completed:		12/7/2011				
Comments:		Fact Sheet finalized and approved				
Title:		Site Screening				
Title Link:						
Area Name:						
Area Link:						
Sub Area:						
Sub Area Link:						
Document Type:		Site Screening				
Date Completed:		4/6/1992				
Comments:		The site consists of 2.4 acres. The former gas plant prop- erty is presently occupied by several industrial and warehousing concerns. The surrounding area is fully developed and occuipied by commercial and industrial uses. Black discolored soil was noted in the 1966 Site Recon- naissance. In the early 1900s, the site was used by gas companies for the production of 'manufactured gas,' made from coal and oil. The byproducts from this operation were tars, oils, sludges, lampblack, etc, which were sold for various industrial uses. Some of these byproduct residues have been found in soils at former towne gas plant sites. Out of these, polycyclic aromatic hydrocarbons (PAH) are hazardous. Also, elevated levels of heavy metals such as lead, arsenic, and cyanides were found at a few sites. A PEA is required at the site to determine if any emergency removal aciton is required to reduce the potential threat to public health & the environment. The Dept received a Notice of Intent dated March 20, 1992, to initiate the PEA.				
Title:		Multi-site agreement for the following MGP sites: Colton, Elsinore, Fullerton, LA/Alameda and Pasadena				
Title Link:						
Area Name:						
Area Link:						
Sub Area:						
Sub Area Link:						
Document Type:		Voluntary Cleanup Agreement				
Date Completed:		4/30/2001				
Comments:						
Title:		Implement Removal Action				
Title Link:						
Area Name:						
Area Link:						

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<hr/>						
Sub Area:						
Sub Area Link:						
Document Type:		Fieldwork				
Date Completed:		2/6/2006				
Comments:		Fieldwork completed				
Title:						
Addendum Workplan for Additional Investigation at 859 Raymond						
Title Link:						
Area Name:						
Area Link:						
Sub Area:						
Sub Area Link:						
Document Type:		Technical Workplan				
Date Completed:		12/20/2005				
Comments:		Workplan is for some supplemental characterization at 859 Raymond Ave, Pasadena. Sample locations were previously discussed and approval was given in the form of an email.				
Title:						
RA Completion Report & Request for Closure						
Title Link:		http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=19490225&doc_id=60364355				
Area Name:						
Area Link:						
Sub Area:						
Sub Area Link:						
Document Type:		Removal Action Completion Report				
Date Completed:		6/27/2014				
Comments:		RA and Request for Closure Approval				
Title:						
Public Notice for Removal Action Workplan						
Title Link:		http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=19490225&doc_id=60283659				
Area Name:						
Area Link:						
Sub Area:						
Sub Area Link:						
Document Type:		Public Notice				
Date Completed:		12/7/2011				
Comments:		Approved and ready for publishing				
<hr/>						
134	1 of 1	SW	0.32 / 1,691.78	800.89 / 7	HUNTINGTON MEMORIAL HOSPITAL 100 W. CALIFORNIA BOULEVARD PASADENA CA 91105	ENVIROSTOR
Estor/EPA ID:		71002706			Permit Renewal Lead:	
Site Code:					Project Manager:	
Nat Priority List:		NO			Supervisor:	
Acres:		NONE SPECIFIED			Public Partici Spclst:	
Special Program:					Census Tract:	6037463900
Funding:					County:	LOS ANGELES
Assembly District:		41			Latitude:	34.133618
Senate District:		25			Longitude:	-118.152938
School District:						
APN:		NONE SPECIFIED				
Cleanup Status:		REFER: OTHER AGENCY AS OF				
Cleanup Oversight Agencies:		NONE SPECIFIED				
Site Type:		TIERED PERMIT				
Office:		CLEANUP CHATSWORTH				
Past Use that Caused Contam:		NONE SPECIFIED				
Potential Media Affected:		NONE SPECIFIED				
Potential Contamin of Concern:						
NONE SPECIFIED						
Site History:						
Status:						
Program Type:		TIERED PERMIT				
CalEnviroScreen Score:		31-35%				
Summary Link:		http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=71002706				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
135	1 of 1	SSW	0.33 / 1,718.22	768.36 / -25	HUNTINGTON MEDICAL PLAZA N.W. CORNER OF FAIR OAKS & BELLEFONTAINE PASADENA CA 91105	RESPONSE
<div> <div> Estor/EPA ID: 19800027 Site Code: Nat Priority List: NO Acres: 0.1 ACRES Special Program: Funding: RESPONSIBLE PARTY Assembly District: 41 Senate District: 25 School District: APN: Cleanup Status: Cleanup Oversight Agencies: Site Type: Office: Past Use that Caused Contam: Potential Media Affected: Potential Contaminant of Concern: </div> <div> Permit Renewal Lead: Project Manager: Supervisor: SAYAREH AMIREBRAHIMI Public Participation: Census Tract: 6037464000 County: LOS ANGELES Latitude: 34.13177 Longitude: -118.14944 </div> </div>						
<div> BENZENE, TETRACHLOROETHYLENE (PCE) </div>						
<div> Site History: During development of the ancillary property next to Huntington Memorial Hospital, eleven tanks were encountered. The tanks were removed and the cleanup was certified. </div>						
<div> Status: CERTIFIED Program Type: STATE RESPONSE CalEnviroScreen Score: 16-20% Summary Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=19800027 </div>						
<div> Completed Activities </div>						
<div> Title: Certification Title Link: Area Name: Area Link: Sub Area: Sub Area Link: Document Type: Certification Date Completed: 9/1/1984 Comments: Our records do not indicate the actual date this site was certified. Our records show 09/1984. We have used the date 09/01/1984 because this gives us the earliest statute of limitations. </div>						
136	1 of 1	WNW	0.33 / 1,723.54	812.99 / 19	MONITOR POLISHING & PLATING 390 S. PASADENA AVENUE PASADENA CA 91105	ENVIROSTOR
<div> <div> Estor/EPA ID: 71002527 Site Code: 301189 Nat Priority List: NO Acres: 1 ACRES Special Program: Funding: Assembly District: 41 Senate District: 25 School District: APN: Cleanup Status: Cleanup Oversight Agencies: Site Type: </div> <div> Permit Renewal Lead: Project Manager: XIHONG (SCARLETT) ZHAI Supervisor: SHAHIR HADDAD Public Participation: TIMOTHY CHAUVEL Census Tract: 6037463700 County: LOS ANGELES Latitude: 34.139045 Longitude: -118.153726 </div> </div>						
<div> NONE SPECIFIED INACTIVE - ACTION REQUIRED AS OF 4/26/2017 DTSC - SITE CLEANUP PROGRAM - LEAD AGENCY TIERED PERMIT </div>						

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Office:		SOUTHERN CALIFORNIA SCHOOLS & BROWNFIELDS OUTREACH				
Past Use that Caused Contam:		METAL PLATING - CHROME, METAL PLATING - OTHER				
Potential Media Affected:		SOIL, SOIL VAPOR				
Potential Contaminant of Concern:						

CHROMIUM III, CHROMIUM VI, TETRACHLOROETHYLENE (PCE), TRICHLOROETHYLENE (TCE)

Site History:

Site History: Monitor Polishing and Plating, Inc. has been operating at the site for over 25 years anodizing and electroplating metals such as copper, brass, nickel, cadmium, chrome and tin. Established as a plating shop when environmental regulations were almost non-existent. Like most old plating operations Monitor Polishing and Plating did not concern itself with equipment set-up nor with the discharge of liquids onto the shop floor which drained directly into the shop's clarifier.

As regulatory standards and requirements has increased steadily thru the years, the shop has changed practices. Secondary containment was provided around plating, chemical and rinse tanks in addition to FVC tank liners. Electrical heaters were used instead of gas burners. The plating tanks were reconfigured so that the tanks were in line and always with a holding or rinse tank or both located next to the plating tank.

Pasadena City Fire Dept. provided the following information regarding the site history. Mr. James N. Nelson was living at 390 South Pasadena in April 1940 and had been cited by police for burning out of hours. In response, he later came to the city's offices and requested a new permit for a concrete incinerator. On May 4, 1951 a fire occurred on the property and twelve days later a citation was issued to remove rubbish. On January 21, 1960, an inspection was conducted on the site for an operational junkyard. The business was cited for bad electrical wiring, combustible rubbish, rat harborage, and a fence in need of repair. By December 6, 1977, the junkyard had already been replaced by a metal plating shop. A notice was issued to remove flammable liquids and discontinue a spray booth. In May of 1987, the first hazardous materials permit was issued for the site.

The site has been in use as a metal-plating facility for more than 25 years. Since being purchased by the owners in 1994, the site has undergone a number of improvements. During the upgrades, three areas of concern (AOCs) were identified within the facility building. Two AOCs were areas where the concrete floor was found to be etched from past solution releases. Water-based solutions of sulfuric acid and caustic soda were used in one of these areas, and nickel, chrome, cadmium, and copper metal solutions were used in the plating process in the other area. A third AOC was identified in the vicinity of the cyanide destruction unit and a lacquer spray booth.

On April 9, 2002 a fire incident occurred resulting in a total loss of business. Fire Department responded to the incident. All chemicals and debris were contained and manifested to be disposed at an offsite Facility. In 2002, the property was sold to the current owner. A Phase I Environmental Assessment verification inspection was conducted at the site on March 25, 2003. Four areas of concern were observed. On January 14, 2004 DTSC issued a draft Corrective Action Consent Agreement to RP for signature. On May 20, 2004 DTSC responded to a letter from the RP stating that the property does not have any environmental problems. DTSC concluded after review of a report by Black Rock Geosciences that a risk assessment is required and sent a draft Corrective Action Consent Agreement to the RP for signature.

On September 24, 2004 DTSC conducted a meeting with the company representative, attorney, consultant, DTSC OLC and TPCAB Branch Chief to discuss issues and concerns regarding the recent investigation, subcontractors, insurances coverage, owner and operator, subsurface contamination (metals and VOCs- PCE, TCA, TCE, DCE & xylene) at the site. On September 29, 2004 DTSC conducted a meeting with the Principal and Director of the School located next to the site. Purpose of the meeting was to inform the school regarding the issues and concerns at the site and conduct a walk through of the school. On October 1, 2004 DTSC collected Indoor Air Samples to find out if there is any impact of near by site on the school.

Groundwater Contamination is present beneath the site, but it is not known at this time if the release from Monitor the source or has contributed to the groundwater contamination.

Project Description: Phase 1 Assessment, soil vapor extraction system installed and operated.

On May 16, 2014, Monitor submitted the Soil Vapor Assessment Report. The Report concluded that the likelihood of vapor intrusion of VOCs into the proposed warehouse building at concentrations that may present an unacceptable health risk appears to be low and proposed warehouse building design that would further reduce the risk: installation of a minimum 10 millimeter thick multi-layer polyolefin resin plastic vapor barrier between the refurbished concrete slab and a second 6-inch thick concrete slab; building height will be 30 feet; and building would also utilize numerous vented skylights as part of the design. DTSC concurred with the Report conclusions and approved the Report provided Monitor Plating complies with the enclosed comments during future activities and/or submittals. DTSC also notified as follows:

1. Pursuant to the CACA, the next step in the corrective action process is submittal of an Interim Measure Proposal (IMP). The purpose of the IMP is to present the measures proposed in the Report for public review and comment. The IMP process includes public participation activities and compliance with the California Environmental Quality Act (CEQA) requirements. At the end of the public comment period, DTSC will modify and/or approve the IMP.
2. A land use covenant (LUC) should be placed on the property restricting the use of the property for industrial/commercial. The LUC should be signed by the current property owners and DTSC, and recorded with the County of Los Angeles.
3. An operation and maintenance agreement should be signed with DTSC and a proper financial assurance mechanism should be in place.
4. In order to close the data gaps, off-site soil vapor investigation needs to be completed. Further soil vapor samples need to be collected from the adjacent property south of Monitor Polishing. If further investigation reveals that the neighboring property is impacted, then mitigation measures should be implemented according to DTSC standards and guidelines.
5. The existing vapor extraction wells should be accessible for future extractions if necessary.

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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6. Selected vapor probes and the groundwater monitoring wells should be protected during construction and placed in flush-mounted well boxes within the final concrete slab for future sampling.

7. Groundwater investigation is required to determine whether the site has impacted groundwater. If groundwater investigation shows significant impact from the Site to the underlying groundwater, then corrective measure for groundwater would be necessary.

8. If the planned groundwater investigation shows significant impact from the Site to the down-gradient groundwater, Soil vapor extraction (SVE) would be necessary to address on-site VOC source in soil.

As of March 11, 2015, the DTSC and the RP have not reached an agreement on payment of DTSC's oversight. This project is pending the resolution of payment issue.

The request for PPS supported is cancelled by the PM on April 24, 2015 after a conversation with Maya Akula, explaining that the project is currently on suspend.

Status: INACTIVE - ACTION REQUIRED
Program Type: TIERED PERMIT
CalEnviroScreen Score: 36-40%
Summary Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=71002527

Currently Scheduled Activities

Area Name: On-Site Soil
Area Link: [http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=71002527&ou_id=1971283&hideside=True&print](http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=71002527&ou_id=1971283&hideside=True&printerfriendly=True)
erfriendly=True

Sub Area:
Sub Area Link:
Document Type: Interim Measures Implementation Report
Due Date: 12/31/2015
Revised Date:

Area Name: PROJECT WIDE
Area Link:
Sub Area:
Sub Area Link:
Document Type: Corrective Measures Study Report
Due Date: 12/31/2018
Revised Date:

Area Name: On-Site Soil
Area Link: [http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=71002527&ou_id=1971283&hideside=True&print](http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=71002527&ou_id=1971283&hideside=True&printerfriendly=True)
erfriendly=True

Sub Area:
Sub Area Link:
Document Type: CEQA - Initial Study/ Neg. Declaration
Due Date: 4/30/2015
Revised Date:

Area Name: On-Site Soil
Area Link: [http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=71002527&ou_id=1971283&hideside=True&print](http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=71002527&ou_id=1971283&hideside=True&printerfriendly=True)
erfriendly=True

Sub Area:
Sub Area Link:
Document Type: Corrective Action Completion Determination
Due Date: 9/30/2016
Revised Date:

Area Name: On-Site Soil
Area Link: [http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=71002527&ou_id=1971283&hideside=True&print](http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=71002527&ou_id=1971283&hideside=True&printerfriendly=True)
erfriendly=True

Sub Area:
Sub Area Link:
Document Type: Land Use Restriction
Due Date: 6/30/2016
Revised Date:

Area Name: On-Site Soil
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=71002527&ou_id=1971283&hideside=True&print

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
		erfriendly=True				
Sub Area:						
Sub Area Link:						
Document Type:		Public Notice				
Due Date:		4/30/2015				
Revised Date:						
Area Name:		On-Site Soil				
Area Link:		http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=71002527&ou_id=1971283&hideside=True&print erfriendly=True				
Sub Area:						
Sub Area Link:						
Document Type:		Community Profile				
Due Date:		3/15/2015				
Revised Date:						
Area Name:		On-Site Soil				
Area Link:		http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=71002527&ou_id=1971283&hideside=True&print erfriendly=True				
Sub Area:						
Sub Area Link:						
Document Type:		Fact Sheets				
Due Date:		4/30/2015				
Revised Date:						
Area Name:		PROJECT WIDE				
Area Link:						
Sub Area:						
Sub Area Link:						
Document Type:		Acknowledgement of Satisfaction				
Due Date:		6/30/2019				
Revised Date:						
Area Name:		On-Site Soil				
Area Link:		http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=71002527&ou_id=1971283&hideside=True&print erfriendly=True				
Sub Area:						
Sub Area Link:						
Document Type:		Interim Measures Workplan				
Due Date:		4/30/2015				
Revised Date:						
<u>Completed Activities</u>						
Title:		Inspection - Phase I Verification				
Title Link:						
Area Name:		PROJECT WIDE				
Area Link:						
Sub Area:						
Sub Area Link:						
Document Type:		Phase I Verification				
Date Completed:		5/6/2003				
Comments:		Inspection report sent on 5/6/2003				
Title:		Site Visit				
Title Link:		http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=71002527&enforcement_id=60254689				
Area Name:		PROJECT WIDE				
Area Link:						
Sub Area:						
Sub Area Link:						
Document Type:		Oversight				
Date Completed:		8/25/2011				
Comments:						
Title:		Annual Cost Estimate Letter-2013				
Title Link:		http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=71002527&enforcement_id=60312710				
Area Name:		PROJECT WIDE				
Area Link:						

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<hr/>						
Sub Area:						
Sub Area Link:						
Document Type:		Correspondence				
Date Completed:		11/30/2012				
Comments:						
Title:		Consent Agreement Executed				
Title Link:		http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=71002527&enforcement_id=60253168				
Area Name:		PROJECT WIDE				
Area Link:						
Sub Area:						
Sub Area Link:						
Document Type:		Consent Agreement				
Date Completed:		8/24/2006				
Comments:						
Title:		Additional Site Assessment Report				
Title Link:		http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=71002527&doc_id=60252794				
Area Name:		PROJECT WIDE				
Area Link:						
Sub Area:						
Sub Area Link:						
Document Type:		Supplemental Site Investigation Report				
Date Completed:		11/14/2006				
Comments:						
Title:		Soil Vapor Assessment Report				
Title Link:		http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=71002527&doc_id=60325470				
Area Name:		PROJECT WIDE				
Area Link:						
Sub Area:						
Sub Area Link:						
Document Type:		Supplemental Site Investigation Report				
Date Completed:		7/3/2014				
Comments:						
Title:		Corrective Action Consent Agreement				
Title Link:		http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=71002527&enforcement_id=60258178				
Area Name:		PROJECT WIDE				
Area Link:						
Sub Area:						
Sub Area Link:						
Document Type:		Consent Agreement				
Date Completed:		8/24/2006				
Comments:						
Title:		Current Conditions Report				
Title Link:		http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=71002527&doc_id=60349375				
Area Name:		PROJECT WIDE				
Area Link:						
Sub Area:						
Sub Area Link:						
Document Type:		Monitoring Report				
Date Completed:		11/14/2006				
Comments:						
Title:		Workplan for Additional Site Assessment - Tech Memo				
Title Link:		http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=71002527&doc_id=60305269				
Area Name:		PROJECT WIDE				
Area Link:						
Sub Area:						
Sub Area Link:						
Document Type:		Supplemental Site Investigation Workplan				
Date Completed:		3/21/2013				
Comments:						
Title:		Annual Cost Estimate FY 14/15				
Title Link:		http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=71002527&enforcement_id=60377985				
Area Name:		PROJECT WIDE				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Area Link:						
Sub Area:						
Sub Area Link:						
Document Type:		Annual Oversight Cost Estimate				
Date Completed:		8/28/2014				
Comments:						
Title:		RCRA Preliminary Assessment				
Title Link:		http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=71002527&doc_id=60349369				
Area Name:		PROJECT WIDE				
Area Link:						
Sub Area:						
Sub Area Link:						
Document Type:		Phase 1				
Date Completed:		9/13/1991				
Comments:						
Title:		Annual Cost Estimate Letter-2012				
Title Link:		http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=71002527&enforcement_id=60290854				
Area Name:		PROJECT WIDE				
Area Link:						
Sub Area:						
Sub Area Link:						
Document Type:		Correspondence				
Date Completed:		1/31/2012				
Comments:						
Title:		Second Half 2011 Semi-Annual Progress Report				
Title Link:		http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=71002527&doc_id=60277112				
Area Name:		PROJECT WIDE				
Area Link:						
Sub Area:						
Sub Area Link:						
Document Type:		Supplemental Site Investigation Report				
Date Completed:		8/23/2012				
Comments:						
Title:		Work Plan for Additional Site Assessment and Vapor Extraction Remediation				
Title Link:		http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=71002527&doc_id=60265021				
Area Name:		PROJECT WIDE				
Area Link:						
Sub Area:						
Sub Area Link:						
Document Type:		Supplemental Site Investigation Workplan				
Date Completed:		4/5/2011				
Comments:						
Title:		Letter of Proposed Noncompliance with Corrective Action Consent Agreement				
Title Link:		http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=71002527&enforcement_id=60262752				
Area Name:		PROJECT WIDE				
Area Link:						
Sub Area:						
Sub Area Link:						
Document Type:		Correspondence				
Date Completed:		2/18/2011				
Comments:						
Title:		Phase I Inspection Completed				
Title Link:		http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=71002527&doc_id=60252949				
Area Name:		PROJECT WIDE				
Area Link:						
Sub Area:						
Sub Area Link:						
Document Type:		Phase 1				
Date Completed:		3/25/2003				
Comments:						
Title:		Inspection - Phase I Verification				
Title Link:						

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Area Name:		PROJECT WIDE				
Area Link:						
Sub Area:						
Sub Area Link:						
Document Type:		Phase I Verification				
Date Completed:		8/31/1998				
Comments:		Inspection report sent on 8/31/1998				
Title:		Settlement Agreement				
Title Link:		http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=71002527&enforcement_id=60356170				
Area Name:		PROJECT WIDE				
Area Link:						
Sub Area:						
Sub Area Link:						
Document Type:		Consent Order				
Date Completed:		4/1/2014				
Comments:						

137	1 of 3	S	0.34 / 1,802.72	763.21 / -30	HUNTINGTON DESK 855 S ARROYO PKWY PASADENA CA 91105	CERCLIS
Site ID:	0901673				RNPL Status Code:	N
Site EPA ID:	CAD094445129				NPL Status:	Not on the NPL
Site Street Address 2:					RFED Facility Code:	N
Site County Name:	LOS ANGELES				RFED Facility Desc:	Not a Federal Facility
Site FIPS Code:	06037				USGS Hydro Unit No.:	18070105
Region Code:	09				Site Cong. Dist. Code:	22
Site SMSA No.:	4480				ROT Desc:	Unknown
Site Prim. Latitude:	34D08M24S				FR NPL Update No.:	
Site Prim. Longitude:	118D09M06S				RFRA Code:	
Lat Long Source:						
RNON NPL Status Desc:	NFRAP-Site does not qualify for the NPL based on existing information					

CERCLIS Assess History

OU ID:	00		RALT Short Name:	State (Fund)
Act Code ID:	002		Act Start Date:	8/1/1984 00:00:00
RAT Code:	PA		Act Complete Date:	2/1/1985 00:00:00
RAT Short Name:	PA		AGT Order No.:	130
RAT Name:	PRELIMINARY ASSESSMENT		SH OU:	
RAT Hist. Only Flag:			SH Code:	
RAT NSI Indicator:	B		SH Seq:	
RAT Level:	1		SH Start Date:	
RAT DEF OU:	00		SH Complete Date:	
RFBS Code:	P		SH Lead:	
SPA Code:	13			
RAT Def:	Collection of diverse existing information about the source and nature of the site hazard. It is EPA policy to complete the preliminary assessment within one year of site discovery.			
Site Desc:				
Site Alias:				

CERCLIS Assess History

OU ID:	00		RALT Short Name:	EPA In-House
Act Code ID:	001		Act Start Date:	
RAT Code:	VS		Act Complete Date:	2/22/1989 00:00:00
RAT Short Name:	ARCH SITE		AGT Order No.:	1500
RAT Name:	ARCHIVE SITE		SH OU:	
RAT Hist. Only Flag:			SH Code:	
RAT NSI Indicator:	B		SH Seq:	
RAT Level:	1		SH Start Date:	
RAT DEF OU:	00		SH Complete Date:	
RFBS Code:			SH Lead:	
SPA Code:	13			
RAT Def:	The decision is made that no further activity is planned at the site.			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Site Desc:
Site Alias:

CERCLIS Assess History

OU ID:	00	RALT Short Name:	EPA Fund
Act Code ID:	001	Act Start Date:	
RAT Code:	PA	Act Complete Date:	2/22/1989 00:00:00
RAT Short Name:	PA	AGT Order No.:	130
RAT Name:	PRELIMINARY ASSESSMENT	SH OU:	
RAT Hist. Only Flag:		SH Code:	
RAT NSI Indicator:	B	SH Seq:	
RAT Level:	1	SH Start Date:	
RAT DEF OU:	00	SH Complete Date:	
RFBS Code:	P	SH Lead:	
SPA Code:	13		
RAT Def:	Collection of diverse existing information about the source and nature of the site hazard. It is EPA policy to complete the preliminary assessment within one year of site discovery.		
Site Desc:			
Site Alias:			

CERCLIS Assess History

OU ID:	00	RALT Short Name:	
Act Code ID:		Act Start Date:	
RAT Code:		Act Complete Date:	
RAT Short Name:		AGT Order No.:	0
RAT Name:		SH OU:	
RAT Hist. Only Flag:		SH Code:	
RAT NSI Indicator:		SH Seq:	
RAT Level:		SH Start Date:	
RAT DEF OU:		SH Complete Date:	
RFBS Code:		SH Lead:	
SPA Code:			
RAT Def:			
Site Desc:	No description available		
Site Alias:	. DIGITRAN CO,,,CA,;		

CERCLIS Assess History

OU ID:	00	RALT Short Name:	EPA Fund
Act Code ID:	001	Act Start Date:	
RAT Code:	DS	Act Complete Date:	8/1/1980 00:00:00
RAT Short Name:	DISCVRY	AGT Order No.:	10
RAT Name:	DISCOVERY	SH OU:	
RAT Hist. Only Flag:		SH Code:	
RAT NSI Indicator:	B	SH Seq:	
RAT Level:	1	SH Start Date:	
RAT DEF OU:	00	SH Complete Date:	
RFBS Code:		SH Lead:	
SPA Code:	13		
RAT Def:	The process by which a potential hazardous waste site is brought to the attention of the EPA. The process can occur through the use of several mechanisms such as a phone call or referral by another government agency.		
Site Desc:			
Site Alias:			

137	2 of 3	S	0.34 / 1,802.72	763.21 / -30	HUNTINGTON DESK 855 S ARROYO PKWY PASADENA CA 91105	CERCLIS NFRAP
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Site ID:	901673	Site FIPS Code:	6037
Site EPA ID:	CAD094445129	Region Code:	9
Site Parent ID:		Site Cong. Dist. Code:	22
Site County Name:	LOS ANGELES	Federal Facility:	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Parent Site Name:

CERCLIS-NFRAP Assess History

OU ID:	0	Act Start Date:	
Act Code ID:	1	Act Complete Date:	2/22/1989
RAT Code:	PA	AGT Order No.:	130
RAT Short Name:	PA	SH OU:	
RAT Name:	PRELIMINARY ASSESSMENT	SH Code:	
RAT Hist. Only Flag:		SH Seq:	
RAT NSI Indicator:	B	SH Start Date:	
RAT Level:	1	SH Complete Date:	
RAT DEF OU:	00	SH Lead:	
RFBS Code:	P	SH Qual:	
SPA Code:	13	RAQ Act. Qual Short:	NFRAP
RALT Short Name:	EPA Fund	RNPL Status Code:	N
RAT Def:	Collection of diverse existing information about the source and nature of the site hazard. It is EPA policy to complete the preliminary assessment within one year of site discovery.		
RNON NPL Status Desc:	NFRAP-Site does not qualify for the NPL based on existing information		

CERCLIS-NFRAP Assess History

OU ID:	0	Act Start Date:	
Act Code ID:	1	Act Complete Date:	2/22/1989
RAT Code:	VS	AGT Order No.:	1500
RAT Short Name:	ARCH SITE	SH OU:	
RAT Name:	ARCHIVE SITE	SH Code:	
RAT Hist. Only Flag:		SH Seq:	
RAT NSI Indicator:	B	SH Start Date:	
RAT Level:	1	SH Complete Date:	
RAT DEF OU:	00	SH Lead:	
RFBS Code:		SH Qual:	
SPA Code:	13	RAQ Act. Qual Short:	
RALT Short Name:	EPA In-House	RNPL Status Code:	N
RAT Def:	The decision is made that no further activity is planned at the site.		
RNON NPL Status Desc:	NFRAP-Site does not qualify for the NPL based on existing information		

CERCLIS-NFRAP Assess History

OU ID:	0	Act Start Date:	
Act Code ID:	1	Act Complete Date:	8/1/1980
RAT Code:	DS	AGT Order No.:	10
RAT Short Name:	DISCVRY	SH OU:	
RAT Name:	DISCOVERY	SH Code:	
RAT Hist. Only Flag:		SH Seq:	
RAT NSI Indicator:	B	SH Start Date:	
RAT Level:	1	SH Complete Date:	
RAT DEF OU:	00	SH Lead:	
RFBS Code:		SH Qual:	
SPA Code:	13	RAQ Act. Qual Short:	
RALT Short Name:	EPA Fund	RNPL Status Code:	N
RAT Def:	The process by which a potential hazardous waste site is brought to the attention of the EPA. The process can occur through the use of several mechanisms such as a phone call or referral by another government agency.		
RNON NPL Status Desc:	NFRAP-Site does not qualify for the NPL based on existing information		

CERCLIS-NFRAP Assess History

OU ID:	0	Act Start Date:	8/1/1984
Act Code ID:	2	Act Complete Date:	2/1/1985
RAT Code:	PA	AGT Order No.:	130
RAT Short Name:	PA	SH OU:	
RAT Name:	PRELIMINARY ASSESSMENT	SH Code:	
RAT Hist. Only Flag:		SH Seq:	
RAT NSI Indicator:	B	SH Start Date:	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
RAT Level: 1 RAT DEF OU: 00 RFBS Code: P SPA Code: 13 RALT Short Name: State (Fund) RAT Def: Collection of diverse existing information about the source and nature of the site hazard. It is EPA policy to complete the preliminary assessment within one year of site discovery. RNON NPL Status Desc: NFRAP-Site does not qualify for the NPL based on existing information						
137	3 of 3	S	0.34 / 1,802.72	763.21 / -30	HUNTINGTON DESK 855 S ARROYO PKWY PASADENA CA 91105	SEMS ARCHIVE
Site ID: 0901673 EPA ID: CAD094445129 NPL: Not on the NPL Federal Facility: No FIPS Code: 6037 Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information Cong District: 22 County: LOS ANGELES Region: 09 Latitude: 34.14 Longitude: -118.151667						
Action Information						
Operable Units: 00 Action Code: DS Action Name: DISCVRY SEQ: 1 Start Actual: 08/01/1980 Finish Actual: 08/01/1980 Qual: Curr Action Lead: EPA Perf						
Operable Units: 00 Action Code: PA Action Name: PA SEQ: 1 Start Actual: 02/22/1989 Finish Actual: N Qual: Curr Action Lead: EPA Perf						
Operable Units: 00 Action Code: PA Action Name: PA SEQ: 2 Start Actual: 08/01/1984 Finish Actual: 02/01/1985 Qual: L Curr Action Lead: St Perf						
Operable Units: 00 Action Code: VS Action Name: ARCH SITE SEQ: 1 Start Actual: 02/22/1989 Finish Actual: Qual: Curr Action Lead: EPA Perf In-Hse						
Operable Units: 00 Action Code: DS Action Name: DISCVRY SEQ: 1 Start Actual: 08/01/1980 Finish Actual: 08/01/1980 Qual: Curr Action Lead: EPA Perf						
Operable Units: 00 Action Code: PA Action Name: PA SEQ: 1 Start Actual: 02/22/1989 Finish Actual: N Qual: Curr Action Lead: EPA Perf						
Operable Units: 00 Action Code: PA Action Name: PA SEQ: 2 Start Actual: 08/01/1984 Finish Actual: 02/01/1985 Qual: L Curr Action Lead: St Perf						
Operable Units: 00 Action Code: VS Action Name: ARCH SITE SEQ: 1 Start Actual: 02/22/1989 Finish Actual: Qual: Curr Action Lead: EPA Perf In-Hse						
138	1 of 4	WNW	0.35 / 1,822.21	814.62 / 21	MONITOR POLISHING & PLATING 390 S PASADENA AVE PASADENA CA 91105	CERCLIS

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Site ID:	0900313				RNPL Status Code:	N
Site EPA ID:	CAD066233834				NPL Status:	Not on the NPL
Site Street Address 2:					RFED Facility Code:	N
Site County Name:	LOS ANGELES				RFED Facility Desc:	Not a Federal Facility
Site FIPS Code:	06037				USGS Hydro Unit No.:	18070105
Region Code:	09				Site Cong. Dist. Code:	22
Site SMSA No.:	4480				ROT Desc:	Private
Site Prim. Latitude:	34D08M24S				FR NPL Update No.:	
Site Prim. Longitude:	118D09M06S				RFRA Code:	
Lat Long Source:						
RNON NPL Status Desc:		Deferred to RCRA				

CERCLIS Site Contact Name(s)

Person ID: 13004003.00
 First Name: Carl
 Last Name: Brickner
 Phone No.:
 Email:

CERCLIS Site Contact Name(s)

Person ID: 13003854.00
 First Name: Leslie
 Last Name: Ramirez
 Phone No.: 4159723978
 Email:

CERCLIS Site Contact Name(s)

Person ID: 13003858.00
 First Name: Sharon
 Last Name: Murray
 Phone No.: 4159724250
 Email:

CERCLIS Assess History

OU ID:	00	RALT Short Name:	
Act Code ID:		Act Start Date:	
RAT Code:		Act Complete Date:	
RAT Short Name:		AGT Order No.:	0
RAT Name:		SH OU:	
RAT Hist. Only Flag:		SH Code:	
RAT NSI Indicator:		SH Seq:	
RAT Level:		SH Start Date:	
RAT DEF OU:		SH Complete Date:	
RFBS Code:		SH Lead:	
SPA Code:			
RAT Def:			
Site Desc:	Deferral non npl changed to agree with schedule. MM		

Site Alias: No alias data available

CERCLIS Assess History

OU ID:	00	RALT Short Name:	EPA Fund
Act Code ID:	001	Act Start Date:	
RAT Code:	PA	Act Complete Date:	9/13/1991 00:00:00
RAT Short Name:	PA	AGT Order No.:	130
RAT Name:	PRELIMINARY ASSESSMENT	SH OU:	
RAT Hist. Only Flag:		SH Code:	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
RAT NSI Indicator:	B				SH Seq:	
RAT Level:	1				SH Start Date:	
RAT DEF OU:	00				SH Complete Date:	
RFBS Code:	P				SH Lead:	
SPA Code:	13					
RAT Def:		Collection of diverse existing information about the source and nature of the site hazard. It is EPA policy to complete the preliminary assessment within one year of site discovery.				
Site Desc:						
Site Alias:						

CERCLIS Assess History

OU ID:	00	RALT Short Name:	EPA Fund
Act Code ID:	001	Act Start Date:	
RAT Code:	DS	Act Complete Date:	1/1/1991 00:00:00
RAT Short Name:	DISCVRY	AGT Order No.:	10
RAT Name:	DISCOVERY	SH OU:	
RAT Hist. Only Flag:		SH Code:	
RAT NSI Indicator:	B	SH Seq:	
RAT Level:	1	SH Start Date:	
RAT DEF OU:	00	SH Complete Date:	
RFBS Code:		SH Lead:	
SPA Code:	13		
RAT Def:		The process by which a potential hazardous waste site is brought to the attention of the EPA. The process can occur through the use of several mechanisms such as a phone call or referral by another government agency.	
Site Desc:			
Site Alias:			

138	2 of 4	WNW	0.35 / 1,822.21	814.62 / 21	MONITOR POLISHING & PLATING 390 S PASADENA AVE PASADENA CA 91105	RCRA CORRACTS
EPA Handler ID:	CAD066233834					
Gen Status Universe:	Small Quantity Generator					
Contact Name:						
Contact Address:	US					
Contact Phone No and Ext:						
Contact Email:						
Contact Country:	US					
County Name:	LOS ANGELES					
EPA Region:	09					
Land Type:						
Receive Date:	19960901					

Event/Area Details

Area Name:	ENTIRE FACILITY
Event Code:	CA075LO
Corrective Action Event Descri:	CA PRIORITIZATION-LOW CA PRIORITY
Actual Date of Event:	19910818
Orig Sched Event Date:	
New Sched Event Date:	
Best Date:	19910818
Groundwater Release Indicator:	
Soil Release Indicator:	
Air Release Indicator:	
Surface Waste Release Ind:	
Event Responsible Agency:	

Violation/Evaluation Summary

Note:	VIOLATION or UNDETERMINED: There are VIOLATION or UNDETERMINED details or records associated with this facility (EPA ID) in the Compliance Monitoring and Enforcement table dated Dec, 2018.
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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Violation Details

Citation: FR - 264.140-150.H
Violation Short Description: TSD - Financial Requirements
Violation Type: 264.H
Violation Determined Date: 19890131
Scheduled Compliance Date:
Return To Compliance U
Qualifier:
Actual Return to Compl: 19900101
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 19890131
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Citation: FR - 264.140-150.H
Violation Short Description: TSD - Financial Requirements
Violation Type: 264.H
Violation Determined Date: 19861205
Scheduled Compliance Date:
Return To Compliance U
Qualifier:
Actual Return to Compl: 19870101
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 19870126
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Citation: F - 270
Violation Short Description: TSD - General
Violation Type: 264.A
Violation Determined Date: 19890111
Scheduled Compliance Date:
Return To Compliance O
Qualifier:
Actual Return to Compl: 19890228
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<hr/>						
Enforcement Type Description:		WRITTEN INFORMAL				
Enforcement Action Date:		19890224				
Enf Disposition Status:						
Disposition Status Date:						
Enforcement Lead Agency:		State				
Proposed Penalty Amount:						
Final Amount:						
Paid Amount:						
<u>Evaluation Details</u>						
Evaluation Start Date:		19861113				
Evaluation Type Description:		NON-FINANCIAL RECORD REVIEW				
Violation Short Description:						
Return to Compliance Date:						
Evaluation Agency:		State				
Evaluation Start Date:		19890131				
Evaluation Type Description:		FINANCIAL RECORD REVIEW				
Violation Short Description:		TSD - Financial Requirements				
Return to Compliance Date:						
Evaluation Agency:		State				
Evaluation Start Date:		19861205				
Evaluation Type Description:		FINANCIAL RECORD REVIEW				
Violation Short Description:		TSD - Financial Requirements				
Return to Compliance Date:						
Evaluation Agency:		State				
Evaluation Start Date:		19890111				
Evaluation Type Description:		COMPLIANCE EVALUATION INSPECTION ON-SITE				
Violation Short Description:		TSD - General				
Return to Compliance Date:						
Evaluation Agency:		State				
<u>Handler Summary</u>						
Importer Activity:		No				
Mixed Waste Generator:		No				
Transporter Activity:		No				
Transfer Facility:		No				
Onsite Burner:		No				
Smelting, Melting and Refining:		No				
Underground Injection Control:		No				
Commercial TSD:		No				
Used Oil Transporter:		No				
Used Oil Transfer Facility:		No				
Used Oil Processor:		No				
Used Oil Refiner:		No				
Used Oil Burner:		No				
Used Oil Market Burner:		No				
Used Oil Spec Marketer:		No				
<u>Hazardous Waste Handler Details</u>						
Sequence No:		1				
Receive Date:		19960901				
Handler Name:						
Generator Status Universe:		Small Quantity Generator				
Source Type:		Implementer				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Receive Date: 19920115
 Handler Name:
 Generator Status Universe: Small Quantity Generator
 Source Type: Annual/Biennial Report

Hazardous Waste Handler Details

Sequence No: 1
 Receive Date: 19800721
 Handler Name:
 Generator Status Universe: Small Quantity Generator
 Source Type: Notification

Owner/Operator Details

Owner/Operator Ind:	Current Operator	Street No:	
Type:	Private	Street 1:	166 WAVERLY DRIVE
Name:	MORGAN DAVID	Street 2:	
Date Became Current:		City:	CITY NOT REPORTED
Date Ended Current:		State:	CA
Phone:	213-796-1551	Country:	
Source Type:	Implementer	Zip Code:	99999
Owner/Operator Ind:	Current Owner	Street No:	
Type:	Private	Street 1:	166 WAVERLY DRIVE
Name:	MORGAN DAVID	Street 2:	
Date Became Current:		City:	PASADENA
Date Ended Current:		State:	CA
Phone:	213-796-1551	Country:	
Source Type:	Notification	Zip Code:	91105

138	3 of 4	WNW	0.35 / 1,822.21	814.62 / 21	MONITOR POLISHING & PLATING 390 S PASADENA AVE PASADENA CA 91105	SEMS
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Site ID:	0900313	Cong District:	22
EPA ID:	CAD066233834	County:	LOS ANGELES
Federal Facility:	No	Region:	09
NPL:	Not on the NPL	Latitude:	34.14
FIPS Code:	6037	Longitude:	-118.151667
Non NPL Status:	Deferred to RCRA (Subtitle C)		
Last Appeared on SEMS List:	14-NOV-2018		

Action Information

Operable Units:	00	Start Actual:	01/01/1991
Action Code:	DS	Finish Actual:	01/01/1991
Action Name:	DISCVRY	Qual:	
SEQ:	1	Curr Action Lead:	EPA Perf
Operable Units:	00	Start Actual:	
Action Code:	PA	Finish Actual:	09/13/1991
Action Name:	PA	Qual:	D
SEQ:	1	Curr Action Lead:	EPA Perf
Operable Units:	00	Start Actual:	01/01/1991
Action Code:	DS	Finish Actual:	01/01/1991
Action Name:	DISCVRY	Qual:	
SEQ:	1	Curr Action Lead:	EPA Perf
Operable Units:	00	Start Actual:	
Action Code:	PA	Finish Actual:	09/13/1991
Action Name:	PA	Qual:	D
SEQ:	1	Curr Action Lead:	EPA Perf

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
138	4 of 4	WNW	0.35 / 1,822.21	814.62 / 21	MONITOR POLISHING & PLATING 390 S PASADENA AVE PASADENA CA 91105	LA SML
Site ID:		SD0000342				
Case ID:		RO0001343				
Status:						
139	1 of 3	WNW	0.35 / 1,837.25	814.83 / 21	MONITOR POLISHING & PLATING 390 S PASADENA AVE PASADENA CA 911050000	ENVIROSTOR
Estor/EPA ID:		80001453		Permit Renewal Lead:		
Site Code:		301189		Project Manager:		
Nat Priority List:		NO		Supervisor:		
Acres:		1 ACRES		Public Partici Spclst:		
Special Program:				Census Tract:		
Funding:				County:		
Assembly District:		41		Latitude:		
Senate District:		25		Longitude:		
School District:						
APN:		NONE SPECIFIED				
Cleanup Status:		INACTIVE - ACTION REQUIRED AS OF 4/26/2017				
Cleanup Oversight Agencies:		DTSC - TIERED PERMITTING CORECTIVE ACTION BRANCH				
Site Type:		CORRECTIVE ACTION				
Office:		SOUTHERN CALIFORNIA SCHOOLS & BROWNFIELDS OUTREACH				
Past Use that Caused Contam:		METAL PLATING - CHROME, METAL PLATING - OTHER				
Potential Media Affected:		AQUIFER USED FOR DRINKING WATER SUPPLY AFFECTED, SOIL				
Potential Contamin of Concern:						
TETRACHLOROETHYLENE (PCE), TOTAL CHROMIUM (1:6 RATIO CR VI:CR III), TRICHLOROETHYLENE (TCE)						
Site History:						
Metal plating facility.						
Status:		INACTIVE - ACTION REQUIRED				
Program Type:		CORRECTIVE ACTION				
CalEnviroScreen Score:		36-40%				
Summary Link:		http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=80001453				
Completed Activities						
Title:		PA OR CERCLA INSPECTION-NOT A PA PLUS (CA049PA)				
Title Link:		http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=80001453&doc_id=6026023				
Area Name:						
Area Link:						
Sub Area:						
Sub Area Link:						
Document Type:		Preliminary Assessment Report				
Date Completed:		9/13/1991				
Comments:						
139	2 of 3	WNW	0.35 / 1,837.25	814.83 / 21	MONITOR POLISHING & PLATING 390 S PASADENA AVE PASADENA CA 911050000	ENVIROSTOR
Estor/EPA ID:		CAD066233834		Permit Renewal Lead:		
Site Code:				Project Manager:		
Nat Priority List:				Supervisor:		
Acres:				Public Partici Spclst:		
Special Program:				Census Tract:		
Funding:				County:		
Assembly District:		41		Latitude:		
				Longitude:		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Senate District:	25			Longitude:	-118.154098	
School District:						
APN:						
Cleanup Status:						
Cleanup Oversight Agencies:						
Site Type:		UNDERGOING CLOSURE				
Office:						
Past Use that Caused Contam:						
Potential Media Affected:						
Potential Contamin of Concern:						

Site History:

Site Description according to RFA dated 08/18/1991- The Monitor Polishing and Plating (Monitor) site is located on a parcel of land at 390 South Pasadena Avenue in Pasadena, California. A second non-contiguous parcel of land on the same block with an address ,of 166 Vaverly Drive is also being considered as part of the site. The site covers less than 1 acre in a commercial and residential area.

The site consists of two buildings separated by a privately owned property. Plating and polishing facilities are located at 390 South Pasadena Avenue; a painting facility, the office, and building supplies are located at 166 Vaverly Drive. The property on South Pasadena Avenue is owned by Mr. Robert Ingrassita and the property located at Vaverly Drive is owned by Mr. Richard Hard.

This facility electroplates the following metals: cadmium, brass, chrome, copper, nickel and tin. Aluminum anodizing, spray painting, and polishing are also part of facility operations. The majority of electroplating is done for industrial parts for a variety of industries.

3/26/2018 update--This facility submitted a Part A on 12/1/1980 and was issued an ISD on 8/30/1983. The facility requested a variance from permitting requirements both on 4/19/84 and 2/3/87 but were denied. EPA requested a Part B on 4/29/1988. As of 4/1991, Monitor Polishing has not submitted a Part B. On 08/24/2006, the facility entered into a Corrective Action Consent Agreement with DTSC. As of now, the corrective action still has not been completed.

4/25/2018- Previous Project Manager, Shahir Hadid, confirmed that the facility is inactive and the current owner does not plan to proceed. However, cleanup work is not entirely done so this facility is still undergoing closure.

Status:	UNDERGOING CLOSURE
Program Type:	HAZ WASTE - RCRA
CalEnviroScreen Score:	36-40%
Summary Link:	http://www.envirostor.dtsc.ca.gov/public/hwmp_profile_report?global_id=CAD066233834

Permit Units - Completed Activities

Unit:	UNIT1
Event Description:	NEW OPERATING PERMIT - ADMINISTRATIVE REVIEW APPROVED
Date:	8/30/1983
Doc Link:	

Unit:	UNIT1
Event Description:	NEW OPERATING PERMIT - APPLICATION PART A RECEIVED
Date:	8/18/1980
Doc Link:	

Units Undergoing Closure

Unit:	UNIT1
Event Description:	REFERRED FOR CLOSURE TO OTHER AGENCY - REFERRED FOR CLOSURE TO OTHER AGENCY
Date:	8/24/2006
Doc Link:	

139	3 of 3	WNW	0.35 / 1,837.25	814.83 / 21	MONITOR POLISHING & PLATING 390 S PASADENA AVE PASADENA CA 911050000	HWP
Estor/EPA ID:	CAD066233834			Permit Renewal Lead:		
Site Code:				Project Manager:		
Nat Priority List:				Supervisor:		
Acres:				Public Partici Spclst:		
Special Program:				Census Tract:		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Funding:				County:	LOS ANGELES	
Assembly District:	41			Latitude:	34.13909	
Senate District:	25			Longitude:	-118.154098	
School District:						
APN:						
Cleanup Status:						
Cleanup Oversight Agencies:						
Site Type:		UNDERGOING CLOSURE				
Office:						
Past Use that Caused Contam:						
Potential Media Affected:						
Potential Contamin of Concern:						

Site History:

Site Description according to RFA dated 08/18/1991- The Monitor Polishing and Plating (Monitor) site is located on a parcel of land at 390 South Pasadena Avenue in Pasadena, California. A second non-contiguous parcel of land on the same block with an address ,of 166 Vaverly Drive is also being considered as part of the site. The site covers less than 1 acre in a commercial and residential area.

The site consists of two buildings separated by a privately owned property. Plating and polishing facilities are located at 390 South Pasadena Avenue; a painting facility, the office, and building supplies are located at 166-Vaverly Drive. The property on South Pasadena Avenue is owned by Mr. Robert Ingrassita and the property located at Vaverly Drive is owned by Mr. Richard Hard.

This facility electroplates the following metals: cadmium, brass, chrome, copper, nickel and tin. Aluminum anodizing, spray painting, and polishing are also part of facility operations. The majority of electroplating is done for industrial parts for a variety of industries.

3/26/2018 update--This facility submitted a Part A on 12/1/1980 and was issued an ISD on 8/30/1983. The facility requested a variance from permitting requirements both on 4/19/84 and 2/3/87 but were denied. EPA requested a Part B on 4/29/1988. As of 4/1991, Monitor Polishing has not submitted a Part B. On 08/24/2006, the facility entered into a Corrective Action Consent Agreement with DTSC. As of now, the corrective action still has not been completed.

4/25/2018- Previous Project Manager, Shahir Hadid, confirmed that the facility is inactive and the current owner does not plan to proceed. However, cleanup work is not entirely done so this facility is still undergoing closure.

Status:	UNDERGOING CLOSURE
Program Type:	HAZ WASTE - RCRA
CalEnviroScreen Score:	36-40%
Summary Link:	http://www.envirostor.dtsc.ca.gov/public/hwmp_profile_report?global_id=CAD066233834

Permit Units - Completed Activities

Unit:	UNIT1
Event Description:	NEW OPERATING PERMIT - APPLICATION PART A RECEIVED
Date:	8/18/1980
Doc Link:	
Unit:	UNIT1
Event Description:	NEW OPERATING PERMIT - ADMINISTRATIVE REVIEW APPROVED
Date:	8/30/1983
Doc Link:	

Units Undergoing Closure

Unit:	UNIT1
Event Description:	REFERRED FOR CLOSURE TO OTHER AGENCY - REFERRED FOR CLOSURE TO OTHER AGENCY
Date:	8/24/2006
Doc Link:	

140	1 of 1	SW	0.43 / 2,268.39	793.76 / 0	Pasadena Meadows Nursing Center LP 150 BELLEFONTAINE ST PASADENA CA 91105	DELISTED HAZ
Siteid:	439998					
Latitude:	34.131134					

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Longitude:		-118.153595				
Original Source:		CHAZ				
Record Date:		09-JUL-2018				
141	1 of 1	NE	0.43 / 2,277.33	826.70 / 33	BANNER LOS ROBLES CORPORATION 200 S LOS ROBLES AVE STE 430 PASADENA CA 91101	DELISTED HAZ
Siteid:		10898				
Latitude:		34.141830				
Longitude:		-118.140810				
Original Source:		CHAZ				
Record Date:		09-JUL-2018				
142	1 of 1	S	0.45 / 2,369.32	760.91 / -33	S O S FOOD LAB INC 1010 S ARROYO PKWY # 8 PASADENA CA 91105	DELISTED HAZ
Siteid:		366275				
Latitude:		34.128520				
Longitude:		-118.147140				
Original Source:		CHAZ				
Record Date:		04-JAN-2018				
143	1 of 1	S	0.58 / 3,061.03	755.36 / -38	CITY OF PASADENA POWER PLANT 72 EAST GLENARM STREET PASADENA CA 91105	ENVIROSTOR
Estor/EPA ID:		60001941		Permit Renewal Lead:		
Site Code:		301624		Project Manager:		PATRICK MOVLAY
Nat Priority List:		NO		Supervisor:		JULI PROPPES
Acres:		1.5 ACRES		Public Partici Spclst:		
Special Program:		VOLUNTARY CLEANUP PROGRAM		Census Tract:		6037464000
Funding:		SITE PROPONENT		County:		LOS ANGELES
Assembly District:		41		Latitude:		34.127509
Senate District:		25		Longitude:		-118.14732
School District:						
APN:		NONE SPECIFIED				
Cleanup Status:		NO FURTHER ACTION AS OF 8/6/2014				
Cleanup Oversight Agencies:		DTSC - SITE CLEANUP PROGRAM - LEAD AGENCY				
Site Type:		VOLUNTARY CLEANUP				
Office:		CLEANUP CHATSWORTH				
Past Use that Caused Contam:		ELECTRIC GENERATION/SUBSTATION				
Potential Media Affected:		SOIL				
Potential Contamin of Concern:						
DIOXIN (AS 2,3,7,8-TCDD TEQ)						
Site History:						
The Site is located at he southeast corner of the intersection of South Fair Oaks Avenue and East Glenarm Street in Pasadena. The Site was first developed in the early 20th century with the existing warehouse building in it southwest corner the Site currently contains an inactive oil and natural gas-fired electric generating station used by the Pasadena Water and Power Department from 1906 through 1977.						
City of Pasadena is responsible for supplying electricity to its residents. Pasadena will install a new electric generating unit (GT-5 Combined Cycle Installation)to replace the oldest unit on the Site. Back in the 1940's the City of Pasadena operated a municipal incinerator in the Broadway Facility until it was demolished in 1966. The former incinerator site is now the site of the gas compressor for one of the generating unit. The project site is located about 500 feet away from the former incinerator site. The California Union for Reliable Energy (CURE) and the City of Pasadena will be doing the investigation via a Project Labor Agreement (PLA). The City of Pasadena has agreed to consider the use of PLA and entered into an Environmental Settlement Agreement with CURE to do the dioxin testing. City of Pasadena, Department of Water and Power and DTSC have entered into a Voluntary Cleanup Agreement for DTSC to Provide oversight on the focused dioxin sampling Workplan, investigation and report for the GT-5 Combined Cycle Installation (Repowering project) site that is approximately 500 feet away from the former municipal incinerator. If appropriate, DTSC will issue a "No						

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Further Action" letter for the Site.

The City of Pasadena, Department of Water and Power and DTSC entered into a Voluntary Cleanup Agreement October 28, 2013 for DTSC to oversee the Dioxin investigation at the site. After the investigation was completed, DTSC reviewed the Limited Soil Sampling and Analysis for Dioxin Report and issues a No Further Action Required letter with regard to Dioxin investigation on March 5, 2013.

Status:	NO FURTHER ACTION
Program Type:	VOLUNTARY CLEANUP
CalEnviroScreen Score:	16-20%
Summary Link:	http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=60001941

Completed Activities

Title:	Voluntary Cleanup Agreement
Title Link:	http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60001941&enforcement_id=60341821
Area Name:	
Area Link:	
Sub Area:	
Sub Area Link:	
Document Type:	Voluntary Cleanup Agreement
Date Completed:	10/29/2013
Comments:	

Title:	No Further Action Required for dioxin
Title Link:	http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60001941&enforcement_id=60353488
Area Name:	
Area Link:	
Sub Area:	
Sub Area Link:	
Document Type:	No Further Action Letter
Date Completed:	3/5/2014
Comments:	

Title:	Dioxine Focused Sampling Plan
Title Link:	http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60001941&doc_id=60343906
Area Name:	
Area Link:	
Sub Area:	
Sub Area Link:	
Document Type:	Site Characterization Workplan
Date Completed:	12/17/2013
Comments:	

Title:	Limited Phase II Environemtal Investigation, 7-29-2011
Title Link:	http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60001941&enforcement_id=60342011
Area Name:	
Area Link:	
Sub Area:	
Sub Area Link:	
Document Type:	Correspondence
Date Completed:	11/8/2013
Comments:	

Title:	Dioxin Focused Investigation Report
Title Link:	http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60001941&doc_id=60347894
Area Name:	
Area Link:	
Sub Area:	
Sub Area Link:	
Document Type:	Site Characterization Report
Date Completed:	3/4/2014
Comments:	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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PASADENA CA 91105

Estor/EPA ID:	80000354	Permit Renewal Lead:	
Site Code:		Project Manager:	
Nat Priority List:	NO	Supervisor:	DOUGLAS BAUTISTA
Acres:	4.22 ACRES	Public Partici Spclst:	
Special Program:		Census Tract:	6037463700
Funding:	DERA	County:	LOS ANGELES
Assembly District:	41	Latitude:	34.1444444444444
Senate District:	25	Longitude:	-118.163888888889
School District:			
APN:	NONE SPECIFIED		
Cleanup Status:	NO FURTHER ACTION AS OF 10/24/2011		
Cleanup Oversight Agencies:	DTSC - SITE CLEANUP PROGRAM - LEAD AGENCY		
Site Type:	FUDS		
Office:	CLEANUP CYPRESS		
Past Use that Caused Contam:	NONE SPECIFIED		
Potential Media Affected:	NONE SPECIFIED		
Potential Contamin of Concern:			

NONE SPECIFIED

Site History:

This project is co-located with and reviewed under the Project Name Desiderio Hall USAR (EnviroStor ID# 19970018).

Status:	NO FURTHER ACTION
Program Type:	MILITARY EVALUATION
CalEnviroScreen Score:	36-40%
Summary Link:	http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=80000354

Completed Activities

Title:	USACE INPR Summary J0CA054500 18 July 1993
Title Link:	http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=80000354&doc_id=5011009
Area Name:	
Area Link:	
Sub Area:	
Sub Area Link:	
Document Type:	Inventory Project Report (INPR)
Date Completed:	7/18/1993
Comments:	

144	2 of 2	WNW	1.00 / 5,275.96	796.61 / 3	PASADENA ARMY HOSP	ENVIROSTOR
PASADENA CA						

Estor/EPA ID:	80000099	Permit Renewal Lead:	
Site Code:		Project Manager:	
Nat Priority List:	NO	Supervisor:	DOUGLAS BAUTISTA
Acres:	0 ACRES	Public Partici Spclst:	
Special Program:		Census Tract:	6037463700
Funding:	DERA	County:	LOS ANGELES
Assembly District:	41	Latitude:	34.1444444444444
Senate District:	25	Longitude:	-118.163888888889
School District:			
APN:	NONE SPECIFIED		
Cleanup Status:	INACTIVE - NEEDS EVALUATION AS OF 7/1/2005		
Cleanup Oversight Agencies:	DTSC - SITE CLEANUP PROGRAM - LEAD AGENCY		
Site Type:	FUDS		
Office:	CLEANUP CYPRESS		
Past Use that Caused Contam:	NONE SPECIFIED		
Potential Media Affected:	NONE SPECIFIED		
Potential Contamin of Concern:			

NONE SPECIFIED

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Site History:

Status:	INACTIVE - NEEDS EVALUATION
Program Type:	MILITARY EVALUATION
CalEnviroScreen Score:	36-40%
Summary Link:	http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=80000099

Completed Activities

Title:	USACE INPR Summary J0CA014200 24 Sep 1993
Title Link:	http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=80000099&doc_id=5010941
Area Name:	
Area Link:	
Sub Area:	
Sub Area Link:	
Document Type:	Inventory Project Report (INPR)
Date Completed:	9/24/1993
Comments:	

Unplottable Summary

Total: 7 Unplottable sites

DB	Company Name/Site Name	Address	City	Zip	ERIS ID
EMISSIONS	CHEVRON STATION #91410, ZAQ, INC.	160 E CALIF30NIA ST	PASADENA CA	91105	861177792
ERNS		ON DELMAR BLVD BTW RAYMOND AVENUE,ARROYO PARKWAY	PASADENA CA		807169754
FINDS/FRS	PASADENA WATER & POWER	VAULT & S. ARROYO PKWY. & E. DEL MAR BLVD.	PASADENA CA	91105	872628797
HAZNET	1X ARMY RESERVE CENTER	ARROYO PARK WAY	PASADENA CA	000000000	826394506
HAZNET	CITY OF PASADENA	SW CORNER ARROYO PKWY AT E GLENARM	PASADENA CA	91105	826932520
HAZNET	MCL HEALTH MANAGEMENT	S. FAIR OAKS SUITE 306	PASADENA CA	911050000	826514954
HAZNET	1X SOUTHERN CALIFORNIA EDISON	ARROYO SUBSTATION	PASADENA CA	000000000	826158131

Unplottable Report

Site: CHEVRON STATION #91410, ZAQ, INC.
160 E CALIF30NIA ST PASADENA CA 91105

EMISSIONS

2015 Toxic Data

Facility ID:	172123	COID:	LA
Facility SIC Code:	5541	DISN:	SOUTH COAST AQMD
CO:	19	CHAPIS:	
Air Basin:	SC	CERR Code:	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

Site: ON DELMAR BLVD BTW RAYMOND AVENUE,ARROYO PARKWAY PASADENA CA

ERNS

NRC Report No:	945438	Latitude Degrees:	
Type of Incident:	RAILROAD NON-RELEASE	Latitude Minutes:	
Incident Cause:	TRESPASSER	Latitude Seconds:	
Incident Date:	6/25/2010 5:36:00 AM	Longitude Degrees:	
Incident Location:		Longitude Minutes:	
Incident Dtg:	OCCURRED	Longitude Seconds:	
Distance from City:		Lat Quad:	
Distance Units:		Long Quad:	
Potential Flag:	No	Location Section:	
Year:	Year 2010 Reports	Location Township:	
Direction from City:		Location Range:	
Location County:	LOS ANGELES		
Description of Incident:	CALLER STATED A TWO CAR PASSENGER TRAIN WAS HEADING SOUTH BOUND TO LOS ANGELES WHEN A PEDESTRIAN GOING EAST BOUND DARTED OUT IN FRONT OF THE TRAIN. CALLER STATED THE PEDESTRIAN WAS STRUCK BY TRAIN AND FATALITY INJURED.		

Calls Information

Date Time Received:	6/25/2010 11:44:20 AM	Responsible City:	
Date Time Complete:	6/25/2010 12:01:27 PM	Responsible State:	XX
Call Type:	INC	Responsible Zip:	
Resp Company:		Source:	TELEPHONE
Resp Org Type:	UNKNOWN		

Incident Information

Tank ID:		Building ID:	
Tank Regulated:	U	Location Area ID:	
Tank Regulated By:		Location Block ID:	
Capacity of Tank:		OCSG No:	
Capacity Tank Units:		OCSF No:	
Description of Tank:		State Lease No:	
Actual Amount:		Pier Dock No:	
Actual Amount Units:		Berth Slip No:	
Tank Above Ground:	ABOVE	Brake Failure:	N
NPDES:		Airbag Deployed:	U
NPDES Compliance:	U	Transport Contain:	U
Init Contin Rel No:		Location Subdiv:	METRO GOLD LINE
Contin Rel Permit:		Platform Rig Name:	

Contin Release Type:

Aircraft ID:
Aircraft Runway No:
Aircraft Spot No:
Aircraft Type:
Aircraft Model:
Aircraft Fuel Cap:
Aircraft Fuel Cap U:
Aircraft Fuel on Brd:
Aircraft Fuel OB U:
Aircraft Hanger:
Road Mile Marker:
Power Gen Facility: U
Generating Capacity:
Type of Fixed Obj:

Platform Letter:

Allision: N
Type of Structure:
Structure Name:
Structure Oper: U
Transit Bus Flag:
Date Time Norm Serv:
Serv Disrupt Time:
Serv Disrupt Units:
CR Begin Date:
CR End Date:
CR Change Date:
FBI Contact:
FBI Contact Dt Tm:
Passenger Handling: CALLER STATED THERE WAS A 15-20 MINUTE DELAY. THERE WAS SINGLE TRACKING AND THE PASSENGERS WERE TRANSFERRED TO A BUS TO CONTINUE SOUTH BOUND.

Type of Fuel:

DOT Crossing No:
DOT Regulated: U
Pipeline Type:
Pipeline Abv Ground: ABOVE
Pipeline Covered: U
Exposed Underwater: N
Railroad Hotline:
Railroad Milepost: 9.04
Grade Crossing: Y
Crossing Device Ty: GATES/LIGHTS/BELLS
Ty Vehicle Involved: NONE
Device Operational: Y

Passenger Route:

Passenger Delay: YES
Sub Part C Test Req: YES
Conductor Test: 1
Engineer Test:
Trainman Test:
Yard Foreman Test:
RCL Operator Test:
Brakeman Test:
Train Dispat Test:
Signalman Test:
Oth Employee Test:
Unknown Test:

Incident Details Information

Release Secured: U
Release Rate:
Release Rate Unit:
Release Rate Rate:
Est Duration of Rel:
Desc Remedial Act: CALLER STATED THE CORONER IS ON THE SCENE.

Fire Involved: N
Fire Extinguished: U
Any Evacuations: N
Number Evacuated:
Who Evacuated:
Radius of Evacu:
Any Injuries: N
No. Injured:
No. Hospitalized:
No. Fatalities: 1
Any Fatalities: Y
Any Damages: N
Damage Amount:
Air Corridor Closed: N
Air Corridor Desc:
Air Closure Time:
Waterway Closed: N
Waterway Desc:
Waterway Close Time:
Road Closed: N
Road Desc:
Road Closure Time:
Road Closure Units:
Closure Direction:
Major Artery: No
Track Closed: Y
Track Desc: MAIN TRACK

State Agen Report No: NONE
State Agen on Scene: CA PUC, LA CORONER, PD FD, COUNTY SHRF
State Agen Notified: CA PUC, LA CORONER
Fed Agency Notified: NONE
Oth Agency Notified:
Body of Water:

Tributary of:
Near River Mile Make:
Near River Mile Mark:
Offshore: N
Weather Conditions: CLEAR
Air Temperature: 70
Wind Direction:
Wind Speed:
Wind Speed Unit:
Water Supp Contam: U
Water Temperature:
Wave Condition:
Current Speed:
Current Direction:
Current Speed Unit:
EMPL Fatality:
Pass Fatality:
Community Impact:
Passengers Transfer: NO
Passenger Injuries:
Employee Injuries:
Occupant Fatality:
Sheen Size:
Sheen Size Units:
Sheen Size Length:
Sheen Size Length U:
Sheen Size Width:

Track Closure Time: 0.3
Track Closure Units:
Track Close Dir: S
Media Interest: NONE
Medium Desc: NON-RELEASE (N/A)
Addl Medium Info: PEDESTRIAN STRUCK BY A PASSENGER TRAIN

Sheen Size Width U:
Sheen Color:
Dir of Sheen Travel:
Sheen Odor Desc:
Duration Unit:
Additional Info:

CALLER DID NOT HAVE ADDITIONAL INFORMATION.

Site: PASADENA WATER & POWER
VAULT & S. ARROYO PKWY. & E. DEL MAR BLVD. PASADENA CA 91105

FINDS/FRS

Registry ID: 110070313829
FIPS Code:
Program Acronyms: OSHA-OIS
HUC Code:
Site Type Name:
Location Description:
Supplemental Location:
Create Date: 27-SEP-2018 12:21:55
Update Date:
Interest Types: OSHA ESTABLISHMENT
SIC Codes: 4939
SIC Code Descriptions: COMBINATION UTILITIES, NOT ELSEWHERE CLASSIFIED
NAICS Codes: 221122
NAICS Code Descriptions: ELECTRIC POWER DISTRIBUTION.
Conveyor:
Federal Facility Code:
Federal Agency Name:
Tribal Land Code:
Tribal Land Name:
Congressional Dist No.:
Census Block Code:
EPA Region Code: 09
County Name:
US/Mexico Border Ind:
Latitude:
Longitude:
Reference Point:
Coord Collection Method:
Accuracy Value:
Datum: NAD83
Source:
Facility Detail Rprt URL: http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110070313829

Site: 1X ARMY RESERVE CENTER
ARROYO PARK WAY PASADENA CA 000000000

HAZNET

SIC Code:
NAICS Code:
EPA ID: CAC000800376
Create Date: 3/9/1993
Fac Act Ind: No
Inact Date: 10/25/2000
County Code: 19
County Name: Los Angeles
Mail Name:
Mailing Addr 1: 1284 E 7TH ST
Mailing Addr 2:
Owner Fax:
Mailing City: UPLAND
Mailing State: CA
Mailing Zip: 917860000
Region Code: 3
Owner Name: CORP OF ENG
Owner Addr 1: --
Owner Addr 2: --
Owner City: --
Owner State: 99
Owner Zip: --
Owner Phone: 0000000000

Contact Information

--
Contact Name: LENHARDT RONALD
Street Address 1: --
Street Address 2: --
City: --
State: 99
Zip: --

Phone: 9099815571
--
--
Tanner Information
--
Generator EPA ID: CAC000800376
Generator County Code: 19
Generator County: Los Angeles
TSD EPA ID: CAD990794133
TSD County Code: 39
TSD County: San Joaquin
State Waste Code: 151
State Waste Code Desc.: Asbestos containing waste
Method Code: D80
Method Description: Disposal, landfill
Tons: 1.6856
Year: 1993
--

Site: CITY OF PASADENA
SW CORNER ARROYO PKWY AT E GLENARM PASADENA CA 91105

HAZNET

SIC Code:		Mailing City:	PASADENA
NAICS Code:		Mailing State:	CA
EPA ID:	CAC002602691	Mailing Zip:	911011726
Create Date:	4/18/2006	Region Code:	3
Fac Act Ind:	No	Owner Name:	CITY OF PASADENA
Inact Date:	10/16/2006	Owner Addr 1:	110 N GARFIELD AVE
County Code:	19	Owner Addr 2:	
County Name:	Los Angeles	Owner City:	PASADENA
Mail Name:		Owner State:	CA
Mailing Addr 1:	110 N GARFIELD AVE	Owner Zip:	911011726
Mailing Addr 2:		Owner Phone:	6267444000
Owner Fax:			

Contact Information

--
Contact Name: ROUBIK MARDIROSIAN
Street Address 1: 110 N GARFIELD AVE
Street Address 2:
City: PASADENA
State: CA
Zip: 911011726
Phone: 6267444000
--
--

Tanner Information

--
Generator EPA ID: CAC002602691
Generator County Code: 19
Generator County: Los Angeles
TSD EPA ID: CAR000157206
TSD County Code: 33
TSD County: Riverside
State Waste Code: 611
State Waste Code Desc.: Contaminated soil from site clean-up
Method Code:
Method Description:
Tons: 23
Year: 2003
--
Generator EPA ID: CAC002602691
Generator County Code: 19
Generator County: Los Angeles
TSD EPA ID: CAR000157206
TSD County Code: 33
TSD County: Riverside
State Waste Code: 611
State Waste Code Desc.: Contaminated soil from site clean-up
Method Code:

Method Description:**Tons:** 2553**Year:** 2006

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Site: MCL HEALTH MANAGEMENT
S. FAIR OAKS SUITE 306 PASADENA CA 911050000

HAZNET

SIC Code:
NAICS Code:
EPA ID: CAL000089941
Create Date: 7/14/1993
Fac Act Ind: No
Inact Date: 6/30/1999
County Code: 19
County Name: Los Angeles
Mail Name:
Mailing Addr 1: 4 HUTTON CENTRE DR STE 720
Mailing Addr 2:
Owner Fax:**Mailing City:** SANTA ANA
Mailing State: CA
Mailing Zip: 927078713
Region Code: 3
Owner Name: MICHEAL LUCUANO
Owner Addr 1: 4 HUTTON CENTRE DR STE 720
Owner Addr 2:
Owner City: SANTA ANA
Owner State: CA
Owner Zip: 927078713
Owner Phone: 0000000000**Contact Information****Contact Name:** MICHAEL LUCIANO /M.D.
Street Address 1: INACT PER 99VQ FINAL NOTICE-NT
Street Address 2:
City: SANTA ANA
State: CA
Zip: 927078713
Phone: 7147514677
--

Site: 1X SOUTHERN CALIFORNIA EDISON
ARROYO SUBSTATION PASADENA CA 000000000

HAZNET

SIC Code:
NAICS Code:
EPA ID: CAC000853896
Create Date: 9/30/1992
Fac Act Ind: No
Inact Date: 10/25/2000
County Code: 19
County Name: Los Angeles
Mail Name:
Mailing Addr 1: 2244 WALNUT GROVE AVENUE
Mailing Addr 2:
Owner Fax:**Mailing City:** ROSEMEAD
Mailing State: CA
Mailing Zip: 917700000
Region Code: 3
Owner Name: SOUTHERN CALIFORNIA EDISON
Owner Addr 1: --
Owner Addr 2: --
Owner City: --
Owner State: 99
Owner Zip: --
Owner Phone: 0000000000**Contact Information****Contact Name:** JOHN INGRAM/COORDINATOR
Street Address 1: --
Street Address 2:
City: --
State: 99
Zip: --
Phone: 7149205565
--

Appendix: Database Descriptions

Environmental Risk Information Services (ERIS) can search the following databases. The extent of historical information varies with each database and current information is determined by what is publicly available to ERIS at the time of update. ERIS updates databases as set out in ASTM Standard E1527-13, Section 8.1.8 Sources of Standard Source Information:

"Government information from nongovernmental sources may be considered current if the source updates the information at least every 90 days, or, for information that is updated less frequently than quarterly by the government agency, within 90 days of the date the government agency makes the information available to the public."

Standard Environmental Record Sources

Federal

National Priority List:

NPL

National Priorities List (Superfund)-NPL: EPA's (United States Environmental Protection Agency) list of the most serious uncontrolled or abandoned hazardous waste sites identified for possible long-term remedial action under the Superfund program. The NPL, which EPA is required to update at least once a year, is based primarily on the score a site receives from EPA's Hazard Ranking System. A site must be on the NPL to receive money from the Superfund Trust Fund for remedial action.

Government Publication Date: Dec 12, 2018

National Priority List - Proposed:

PROPOSED NPL

Includes sites proposed (by the EPA, the state, or concerned citizens) for addition to the NPL due to contamination by hazardous waste and identified by the Environmental Protection Agency (EPA) as a candidate for cleanup because it poses a risk to human health and/or the environment.

Government Publication Date: Dec 12, 2018

Deleted NPL:

DELETED NPL

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Government Publication Date: Dec 12, 2018

SEMS List 8R Active Site Inventory:

SEMS

The Superfund Program has deployed the Superfund Enterprise Management System (SEMS), which integrates multiple legacy systems into a comprehensive tracking and reporting tool. This inventory contains active sites evaluated by the Superfund program that are either proposed to be or are on the National Priorities List (NPL) as well as sites that are in the screening and assessment phase for possible inclusion on the NPL. The Active Site Inventory Report displays site and location information at active SEMS sites. An active site is one at which site assessment, removal, remedial, enforcement, cost recovery, or oversight activities are being planned or conducted.

Government Publication Date: Nov 14, 2018

Inventory of Open Dumps, June 1985:

ODI

The Resource Conservation and Recovery Act (RCRA) provides for publication of an inventory of open dumps. The Act defines "open dumps" as facilities which do not comply with EPA's "Criteria for Classification of Solid Waste Disposal Facilities and Practices" (40 CFR 257).

Government Publication Date: Jun 1985

SEMS List 8R Archive Sites:

SEMS ARCHIVE

The Superfund Enterprise Management System (SEMS) Archived Site Inventory displays site and location information at sites archived from SEMS. An archived site is one at which EPA has determined that assessment has been completed and no further remedial action is planned under the Superfund program at this time.

Government Publication Date: Nov 14, 2018

Comprehensive Environmental Response, Compensation and Liability Information System -

CERCLIS

CERCLIS:

Superfund is a program administered by the United States Environmental Protection Agency (EPA) to locate, investigate, and clean up the worst hazardous waste sites throughout the United States. CERCLIS is a database of potential and confirmed hazardous waste sites at which the EPA Superfund program has some involvement. It contains sites that are either proposed to be or are on the National Priorities List (NPL) as well as sites that are in the screening and assessment phase for possible inclusion on the NPL. The EPA administers the Superfund program in cooperation with individual states and tribal governments; this database is made available by the EPA.

Government Publication Date: Oct 25, 2013

EPA Report on the Status of Open Dumps on Indian Lands:

IODI

Public Law 103-399, The Indian Lands Open Dump Cleanup Act of 1994, enacted October 22, 1994, identified congressional concerns that solid waste open dump sites located on American Indian or Alaska Native (AI/AN) lands threaten the health and safety of residents of those lands and contiguous areas. The purpose of the Act is to identify the location of open dumps on Indian lands, assess the relative health and environment hazards posed by those sites, and provide financial and technical assistance to Indian tribal governments to close such dumps in compliance with Federal standards and regulations or standards promulgated by Indian Tribal governments or Alaska Native entities.

Government Publication Date: Dec 31, 1998

CERCLIS - No Further Remedial Action Planned:

CERCLIS NFRAP

An archived site is one at which EPA has determined that assessment has been completed and no further remedial action is planned under the Superfund program at this time. The Archive designation means that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL). This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Government Publication Date: Oct 25, 2013

CERCLIS Liens:

CERCLIS LIENS

A Federal Superfund lien exists at any property where EPA has incurred Superfund costs to address contamination ("Superfund site") and has provided notice of liability to the property owner. A Federal CERCLA ("Superfund") lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. This database is made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: Jan 30, 2014

RCRA CORRACTS-Corrective Action:

RCRA CORRACTS

RCRA Info is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. At these sites, the Corrective Action Program ensures that cleanups occur. EPA and state regulators work with facilities and communities to design remedies based on the contamination, geology, and anticipated use unique to each site.

Government Publication Date: Dec 17, 2018

RCRA non-CORRACTS TSD Facilities:

RCRA TSD

RCRA Info is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. This database includes Non-Corrective Action sites listed as treatment, storage and/or disposal facilities of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA).

Government Publication Date: Dec 17, 2018

RCRA Generator List:

RCRA LQG

RCRA Info is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Large Quantity Generators (LQGs) generate 1,000 kilograms per month or more of hazardous waste or more than one kilogram per month of acutely hazardous waste.

Government Publication Date: Dec 17, 2018

RCRA Small Quantity Generators List:

RCRA SQG

RCRA Info is the EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Small Quantity Generators (SQGs) generate more than 100 kilograms, but less than 1,000 kilograms, of hazardous waste per month.

Government Publication Date: Dec 17, 2018

RCRA Conditionally Exempt Small Quantity Generators List:[RCRA CESQG](#)

RCRA Info is the EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Conditionally Exempt Small Quantity Generators (CESQG) generate 100 kilograms or less per month of hazardous waste or one kilogram or less per month of acutely hazardous waste.

Government Publication Date: Dec 17, 2018

RCRA Non-Generators:[RCRA NON GEN](#)

RCRA Info is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Non-Generators do not presently generate hazardous waste.

Government Publication Date: Dec 17, 2018

Federal Engineering Controls-ECs:[FED ENG](#)

Engineering controls (ECs) encompass a variety of engineered and constructed physical barriers (e.g., soil capping, sub-surface venting systems, mitigation barriers, fences) to contain and/or prevent exposure to contamination on a property. This database is made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: Jan 20, 2016

Federal Institutional Controls- ICs:[FED INST](#)

Institutional controls are non-engineered instruments, such as administrative and legal controls, that help minimize the potential for human exposure to contamination and/or protect the integrity of the remedy. Although it is EPA's (United States Environmental Protection Agency) expectation that treatment or engineering controls will be used to address principal threat wastes and that groundwater will be returned to its beneficial use whenever practicable, ICs play an important role in site remedies because they reduce exposure to contamination by limiting land or resource use and guide human behavior at a site.

Government Publication Date: Jan 20, 2016

Emergency Response Notification System:[ERNS 1982 TO 1986](#)

Database of oil and hazardous substances spill reports controlled by the National Response Center. The primary function of the National Response Center is to serve as the sole national point of contact for reporting oil, chemical, radiological, biological, and etiological discharges into the environment anywhere in the United States and its territories.

Government Publication Date: 1982-1986

Emergency Response Notification System:[ERNS 1987 TO 1989](#)

Database of oil and hazardous substances spill reports controlled by the National Response Center. The primary function of the National Response Center is to serve as the sole national point of contact for reporting oil, chemical, radiological, biological, and etiological discharges into the environment anywhere in the United States and its territories.

Government Publication Date: 1987-1989

Emergency Response Notification System:[ERNS](#)

Database of oil and hazardous substances spill reports controlled by the National Response Center. The primary function of the National Response Center is to serve as the sole national point of contact for reporting oil, chemical, radiological, biological, and etiological discharges into the environment anywhere in the United States and its territories. This database is made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: Sep 24, 2018

The Assessment, Cleanup and Redevelopment Exchange System (ACRES) Brownfield Database:[FED BROWNFIELDS](#)

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties protects the environment, reduces blight, and takes development pressures off greenspaces and working lands. This database is made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: Jan 11, 2019

FEMA Underground Storage Tank Listing:[FEMA UST](#)

The Federal Emergency Management Agency (FEMA) of the Department of Homeland Security maintains a list of FEMA owned underground storage tanks.

Government Publication Date: Dec 31, 2017

LIEN on Property:

SEMS LIEN

The EPA Superfund Enterprise Management System (SEMS) provides LIEN information on properties under the EPA Superfund Program.

Government Publication Date: Nov 14, 2018

Superfund Decision Documents:

SUPERFUND ROD

This database contains a listing of decision documents for Superfund sites. Decision documents serve to provide the reasoning for the choice of (or) changes to a Superfund Site cleanup plan. The decision documents include Records of Decision (ROD), ROD Amendments, Explanations of Significant Differences (ESD), along with other associated memos and files. This information is maintained and made available by the US EPA (Environmental Protection Agency).

Government Publication Date: Nov 14, 2018

State**State Response Sites:**

RESPONSE

A list of identified confirmed release sites where the Department of Toxic Substances Control (DTSC) is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk. This database is state equivalent NPL.

Government Publication Date: Dec 20, 2018

EnviroStor Database:

ENVIROSTOR

The EnviroStor Data Management System is made available by the Department of Toxic Substances Control (DTSC). Includes Corrective Action sites, Tiered Permit sites, Historical Sites and Evaluation/Investigation sites. This database is state equivalent CERCLIS.

Government Publication Date: Dec 20, 2018

Delisted State Response Sites:

DELISTED ENVS

Sites removed from the list of State Response Sites made available by the EnviroStor Data Management System, Department of Toxic Substances Control (DTSC).

Government Publication Date: Dec 20, 2018

Solid Waste Information System (SWIS):

SWF/LF

The Solid Waste Information System (SWIS) database made available by the Department of Resources Recycling and Recovery (CalRecycle) contains information on solid waste facilities, operations, and disposal sites throughout the State of California. The types of facilities found in this database include landfills, transfer stations, material recovery facilities, composting sites, transformation facilities, waste tire sites, and closed disposal sites.

Government Publication Date: Feb 11, 2019

EnviroStor Hazardous Waste Facilities:

HWP

A list of hazardous waste facilities including permitted, post-closure and historical facilities found in the Department of Toxic Substances Control (DTSC) EnviroStor database.

Government Publication Date: Dec 20, 2018

Land Disposal Sites:

LDS

Land Disposal Sites in GeoTracker, the State Water Resources Control Board (SWRCB)'s data management system. The Land Disposal program regulates of waste discharge to land for treatment, storage and disposal in waste management units. Waste management units include waste piles, surface impoundments, and landfills.

Government Publication Date: Nov 30, 2018

Sites Listed in the Solid Waste Assessment Test (SWAT) Program Report:

SWAT

In a 1993 Memorandum of Understanding, the State Water Resources Control Board (SWRCB) agreed to submit a comprehensive report on the Solid Waste Assessment Test (SWAT) Program to the California Integrated Waste Management Board (CIWMB). This report summarizes the work completed to date on the SWAT Program, and addresses both the impacts that leakage from solid waste disposal sites (SWDS) may have upon waters of the State and the actions taken to address such leakage.

Government Publication Date: Dec 31, 1995

Leaking Underground Fuel Tank Reports:

LUST

List of Leaking Underground Storage Tanks within the Cleanup Sites data in GeoTracker database. GeoTracker is the State Water Resources Control Board's (SWRCB) data management system for managing sites that impact groundwater, especially those that require groundwater cleanup (Underground Storage Tanks, Department of Defense and Site Cleanup Program) as well as permitted facilities such as operating Underground Storage Tanks. The Leak Prevention Program that overlooks LUST sites is the SWRCB in California's Environmental Protection Agency.

Delisted Leaking Storage Tanks:

[DELISTED LST](#)

List of Leaking Underground Storage Tanks (LUST) cleanup sites removed from GeoTracker, the State Water Resources Control Board (SWRCB)'s database system, as well as sites removed from the SWRCB's list of UST Case closures.

Government Publication Date: Nov 30, 2018

Permitted Underground Storage Tank (UST) in GeoTracker:

[UST](#)

List of Permitted Underground Storage Tank (UST) sites made available by the State Water Resources Control Board (SWRCB) in California's Environmental Protection Agency (EPA).

Government Publication Date: Nov 30, 2018

Solid Waste Disposal Sites with Waste Constituents Above Hazardous Waste Levels:

[SWRCB SWF](#)

This is a list of solid waste disposal sites identified by California State Water Resources Control Board with waste constituents above hazardous waste levels outside the waste management unit.

Government Publication Date: Sep 20, 2006

Proposed Closure of Underground Storage Tank Cases:

[UST CLOSURE](#)

List of UST cases that are being considered for closure by either the California Environmental Protection Agency, State Water Resources Control Board or the Executive Director that have been posted for a 60-day public comment period.

Government Publication Date: Dec 11, 2018

Historical Hazardous Substance Storage Information Database:

[HHSS](#)

The Historical Hazardous Substance Storage database contains information collected in the 1980s from facilities that stored hazardous substances. The information was originally collected on paper forms, was later transferred to microfiche, and recently indexed as a searchable database. When using this database, please be aware that it is based upon self-reported information submitted by facilities which has not been independently verified. It is unlikely that every facility responded to the survey and the database should not be expected to be a complete inventory of all facilities that were operating at that time. This database is maintained by the California State Water Resources Control Board's (SWRCB) Geotracker.

Government Publication Date: Aug 27, 2015

Aboveground Storage Tanks:

[AST](#)

A statewide list from 2009 of aboveground storage tanks (ASTs) made available by the Cal FIRE Office of the State Fire Marshal (OSFM). This list is no longer maintained or updated by the Cal FIRE OSFM.

Government Publication Date: Aug 31, 2009

Delisted Storage Tanks:

[DELISTED TNK](#)

This database contains a list of storage tank sites that were removed by the State Water Resources Control Board (SWRCB) in California's Environmental Protection Agency (EPA) and the Cal FIRE Office of State Fire Marshal (OSFM).

Government Publication Date: Nov 30, 2018

California Environmental Reporting System (CERS) Tanks:

[CERS TANK](#)

List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Aboveground Petroleum Storage and Underground Storage Tank regulatory programs. The CalEPA oversees the statewide implementation of the Unified Program which applies regulatory standards to protect Californians from hazardous waste and materials.

Government Publication Date: Nov 29, 2018

Site Mitigation and Brownfields Reuse Program Facility Sites with Land Use Restrictions:

[LUR](#)

The Department of Toxic Substances Control (DTSC) Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents land use restrictions that are active. Some sites have multiple land use restrictions.

Government Publication Date: Dec 20, 2018

Hazardous Waste Management Program Facility Sites with Deed / Land Use Restrictions:

[HLUR](#)

The Department of Toxic Substances Control (DTSC) Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Deed Restrictions and Land Use Restrictions:

[DEED](#)

List of Deed Restrictions, Land Use Restrictions and Covenants in GeoTracker made available by the State Water Resources Control Board (SWRCB) in California's Environmental Protection Agency. A deed restriction (land use covenant) may be required to facilitate the remediation of past environmental contamination and to protect human health and the environment by reducing the risk of exposure to residual hazardous materials.

Government Publication Date: Nov 30, 2018

Voluntary Cleanup Program:

[VCP](#)

List of sites in the Voluntary Cleanup Program made available by the Department of Toxic Substances and Control (DTSC). The Voluntary Cleanup Program was designed to respond to lower priority sites. Under the Voluntary Cleanup Program, DTSC enters site-specific agreements with project proponents for DTSC oversight of site assessment, investigation, and/or removal or remediation activities, and the project proponents agree to pay DTSC's reasonable costs for those services.

Government Publication Date: Dec 20, 2018

GeoTracker Cleanup Sites Data:

[CLEANUP SITES](#)

A list of cleanup sites in the state of California made available by The State Water Resources Control Board (SWRCB) of the California Environmental Protection Agency (EPA). SWRCB tracks leaking underground storage tank cleanups as well as other water board cleanups.

Government Publication Date: Nov 30, 2018

Delisted California Environmental Reporting System (CERS) Tanks:

[DELISTED CTNK](#)

This database contains a list of Aboveground Petroleum Storage and Underground Storage Tank sites that were removed from in the California Environmental Protection Agency (CalEPA) Regulated Site Portal.

Government Publication Date: Nov 29, 2018

Historical Hazardous Substance Storage Container Information - Facility Summary:

[HIST TANK](#)

The State Water Resources Control Board maintained the Hazardous Substance Storage Containers listing and inventory in the 1980s. This facility summary lists historic tank sites where the following container types were present: farm motor vehicle fuel tanks; waste tanks; sumps; pits, ponds, lagoons, and others; and all other product tanks. This set, published in May 1988, lists facility and owner information, as well as the number of containers. This data is historic and will not be updated.

Government Publication Date: May 27, 1988

Tribal

Leaking Underground Storage Tanks (LUSTs) on Indian Lands:

[INDIAN LUST](#)

LUSTs on Tribal/Indian Lands in Region 9, which includes California.

Government Publication Date: Dec 31, 2017

Underground Storage Tanks (USTs) on Indian Lands:

[INDIAN UST](#)

USTs on Tribal/Indian Lands in Region 9, which includes California.

Government Publication Date: Dec 31, 2017

Delisted Tribal Leaking Storage Tanks:

[DELISTED ILST](#)

Leaking Underground Storage Tank facilities which have been removed from the Regional Tribal LUST lists made available by the EPA.

Government Publication Date: Oct 14, 2017

Delisted Tribal Underground Storage Tanks:

[DELISTED IUST](#)

Underground Storage Tank facilities which have been removed from the Regional Tribal UST lists made available by the EPA.

Government Publication Date: Oct 14, 2017

County

Delisted County Records:

[DELISTED COUNTY](#)

Records removed from county or CUPA databases. Records may be removed from the county lists made available by the respective county departments because they are inactive, or because they have been deemed to be below reportable thresholds.

Los Angeles County - Burbank City CUPA List:

[BURBANK CUPA](#)

A list of facilities associated with various Certified Unified Program Agency (CUPA) programs in the City of Burbank. This list is made available by the City of Burbank Fire Department.

Government Publication Date: Feb 4, 2019

Los Angeles County - El Segundo City Underground Storage Tanks List:

[UST ELSEGUNDO](#)

List of registered Underground Storage Tanks (USTs) in the City of El Segundo of Los Angeles County, made available by El Segundo City Fire Department.

Government Publication Date: Jan 17, 2017

Los Angeles County - Santa Fe Springs Underground Storage Tank:

[UST SANTAFESP](#)

A list of registered active Underground Storage Tanks (USTs) in the City of Santa Fe Springs. This list is made available by Santa Fe Springs Department of Fire-Rescue.

Government Publication Date: Jun 30, 2017

Los Angeles County - Santa Monica City Aboveground Storage Tank List:

[SANTAMON AST](#)

List of registered Aboveground Storage Tanks (ASTs) made available by the Santa Monica Fire Department in the City of Santa Monica of Los Angeles County, California.

Government Publication Date: Aug 21, 2018

Los Angeles County - Santa Monica City CUPA Facilities List:

[SANTAMON CUPA](#)

The Santa Monica Fire Department's office maintains a list of CUPA Facilities located in Santa Monica city.

Government Publication Date: Aug 21, 2018

Los Angeles County - Santa Monica City Underground Storage Tank List:

[UST SANTA MONICA](#)

A list of registered active Underground Storage Tanks (USTs) in the City of Santa Monica made available by Santa Monica Fire Prevention Division.

Government Publication Date: Nov 21, 2018

Los Angeles County - Torrance City Underground Storage Tanks:

[UST TORRANCE](#)

A list of registered Underground Storage Tank (UST) sites in Torrance City of Los Angeles County. This list is made available by Torrance City Office of Clerk.

Government Publication Date: Oct 2, 2018

Los Angeles County - Vernon City CUPA List:

[VERNON CUPA](#)

The Vernon City Fire Department's office maintains a list of CUPA Facilities located in Vernon city.

Government Publication Date: Oct 23, 2018

Los Angeles County - Vernon City UST List:

[UST VERNON](#)

A list of Underground Storage Tanks (UST) in Vernon City provided by the Vernon City Fire Department.

Government Publication Date: Jan 16, 2019

Los Angeles County - HMS List:

[LA HMS](#)

List of sites in the Los Angeles County Department of Public Works Hazardous Materials System (HMS) Database which have or have had permits for Industrial Waste, Underground Storage Tanks, or Stormwater in the county of Los Angeles.

Government Publication Date: Dec 12, 2018

Los Angeles County - Long Beach UST List:

[UST LONGB](#)

List of registered Underground Storage Tanks (USTs) in the City of Long Beach, Los Angeles County, made available by the Long Beach Certified Unified Program Agency (CUPA). The Long Beach CUPA operates under oversight shared by the Long Beach Fire Department and Health Department.

Government Publication Date: Jul 9, 2018

Los Angeles County - Solid Waste Sites:

[LA SWF](#)

List of permitted solid waste facilities, closed landfills, historical dumpsites and other solid waste sites in Los Angeles County, made available by the Department of Public Works in Los Angeles County.

Orange County - Anaheim City UST Cleanup Cases:

UST CLEANUP

A list of UST Cleanup Cases in the City of Anaheim in Orange County. As part of its Groundwater Protection Program, the City of Anaheim managed the UST Cleanup Oversight Program from April 1991 to June 2014. This list is published by the City of Anaheim Underground Storage Tank Cleanup Program.

Government Publication Date: May 26, 2015

San Francisco County - Maher Ordinance:

MAHER SF

List of development projects that are located on sites with known or suspected soil and/or groundwater contamination are subject to the provisions of Health Code Article 22A, which is administered by the San Francisco County Department of Public Health (DPH).

Government Publication Date: Jan 23, 2019

Los Angeles County - City of Los Angeles UST List:

UST LA CITY

A list of active and inactive underground storage tank facilities made available by the Los Angeles Fire Department CUPA.

Government Publication Date: Jan 1, 2019

Los Angeles County - City of Los Angeles AST List:

AST LA CITY

A list of active and inactive above ground petroleum storage tanks made available by the Los Angeles Fire Department CUPA.

Government Publication Date: Jan 1, 2019

Los Angeles County - City of Los Angeles Hazardous Materials Facilities:

LA CITY HAZMAT

A list of active and inactive hazardous materials facilities made available by the Los Angeles Fire Department CUPA.

Government Publication Date: Jan 1, 2019

Additional Environmental Record Sources

Federal

Facility Registry Service/Facility Index:

FINDS/FRS

The US Environmental Protection Agency (EPA)'s Facility Registry System (FRS) is a centrally managed database that identifies facilities, sites or places subject to environmental regulations or of environmental interest. FRS creates high-quality, accurate, and authoritative facility identification records through rigorous verification and management procedures that incorporate information from program national systems, state master facility records, data collected from EPA's Central Data Exchange registrations and data management personnel.

Government Publication Date: Oct 17, 2018

Toxics Release Inventory (TRI) Program:

TRIS

The EPA's Toxics Release Inventory (TRI) is a database containing data on disposal or other releases of over 650 toxic chemicals from thousands of U.S. facilities and information about how facilities manage those chemicals through recycling, energy recovery, and treatment. One of TRI's primary purposes is to inform communities about toxic chemical releases to the environment.

Government Publication Date: Dec 31, 2017

Hazardous Materials Information Reporting System:

HMIRS

US DOT - Department of Transportation Pipeline and Hazardous Materials Safety Administration (PHMSA) Incidents Reports Database taken from Hazmat Intelligence Portal, U.S. Department of Transportation.

Government Publication Date: May 23, 2018

National Clandestine Drug Labs:

NCDL

The U.S. Department of Justice ("the Department") provides this data as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy.

Government Publication Date: Jul 18, 2018

Toxic Substances Control Act:

TSCA

The Environmental Protection Agency (EPA) is amending the Toxic Substances Control Act (TSCA) section 8(a) Inventory Update Reporting (IUR) rule and changing its name to the Chemical Data Reporting (CDR) rule.

The CDR enables EPA to collect and publish information on the manufacturing, processing, and use of commercial chemical substances and mixtures (referred to hereafter as chemical substances) on the TSCA Chemical Substance Inventory (TSCA Inventory). This includes current information on chemical substance production volumes, manufacturing sites, and how the chemical substances are used. This information helps the Agency determine whether people or the environment are potentially exposed to reported chemical substances. EPA publishes submitted CDR data that is not Confidential Business Information (CBI).

Government Publication Date: Jun 30, 2017

Hist TSCA:

[HIST TSCA](#)

The Environmental Protection Agency (EPA) is amending the Toxic Substances Control Act (TSCA) section 8(a) Inventory Update Reporting (IUR) rule and changing its name to the Chemical Data Reporting (CDR) rule.

The 2006 IUR data summary report includes information about chemicals manufactured or imported in quantities of 25,000 pounds or more at a single site during calendar year 2005. In addition to the basic manufacturing information collected in previous reporting cycles, the 2006 cycle is the first time EPA collected information to characterize exposure during manufacturing, processing and use of organic chemicals. The 2006 cycle also is the first time manufacturers of inorganic chemicals were required to report basic manufacturing information.

Government Publication Date: Dec 31, 2006

FTTS Administrative Case Listing:

[FTTS ADMIN](#)

An administrative case listing from the Federal Insecticide, Fungicide, & Rodenticide Act (FIFRA) and Toxic Substances Control Act (TSCA), together known as FTTS. This database was obtained from the Environmental Protection Agency's (EPA) National Compliance Database (NCDB). The FTTS and NCDB was shut down in 2006.

Government Publication Date: Jan 19, 2007

FTTS Inspection Case Listing:

[FTTS INSP](#)

An inspection case listing from the Federal Insecticide, Fungicide, & Rodenticide Act (FIFRA) and Toxic Substances Control Act (TSCA), together known as FTTS. This database was obtained from the Environmental Protection Agency's (EPA) National Compliance Database (NCDB). The FTTS and NCDB was shut down in 2006.

Government Publication Date: Jan 19, 2007

Potentially Responsible Parties List:

[PRP](#)

Early in the cleanup process, the Environmental Protection Agency (EPA) conducts a search to find the potentially responsible parties (PRPs). EPA looks for evidence to determine liability by matching wastes found at the site with parties that may have contributed wastes to the site.

Government Publication Date: Dec 20, 2018

State Coalition for Remediation of Drycleaners Listing:

[SCRD DRYCLEANER](#)

The State Coalition for Remediation of Drycleaners (SCRD) was established in 1998, with support from the U.S. Environmental Protection Agency (EPA) Office of Superfund Remediation and Technology Innovation. Coalition members are states with mandated programs and funding for drycleaner site remediation. Current members are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Government Publication Date: Nov 08, 2017

Integrated Compliance Information System (ICIS):

[ICIS](#)

The Integrated Compliance Information System (ICIS) is a system that provides information for the Federal Enforcement and Compliance (FE&C) and the National Pollutant Discharge Elimination System (NPDES) programs. The FE&C component supports the Environmental Protection Agency's (EPA) Civil Enforcement and Compliance program activities. These activities include Compliance Assistance, Compliance Monitoring and Enforcement. The NPDES program supports tracking of NPDES permits, limits, discharge monitoring data and other program reports.

Government Publication Date: Nov 18, 2016

Drycleaner Facilities:

[FED DRYCLEANERS](#)

A list of drycleaner facilities from the Integrated Compliance Information System (ICIS). The Environmental Protection Agency (EPA) tracks facilities that possess NAIC and SIC codes that classify businesses as drycleaner establishments.

Government Publication Date: May 29, 2018

Delisted Drycleaner Facilities:

[DELISTED FED DRY](#)

List of sites removed from the list of Drycleaner Facilities (sites in the EPA's Integrated Compliance Information System (ICIS) with NAIC or SIC codes identifying the business as a drycleaner establishment).

Government Publication Date: May 29, 2018

Formerly Used Defense Sites:

FUDS

Formerly Used Defense Sites (FUDS) are properties that were formerly owned by, leased to, or otherwise possessed by and under the jurisdiction of the Secretary of Defense prior to October 1986, where the Department of Defense (DoD) is responsible for an environmental restoration. This list is published by the U.S. Army Corps of Engineers.

Government Publication Date: Oct 23, 2018

Material Licensing Tracking System (MLTS):

MLTS

A list of sites that store radioactive material subject to the Nuclear Regulatory Commission (NRC) licensing requirements. This list is maintained by the NRC. As of September 2016, the NRC no longer releases location information for sites. Site locations were last received in July 2016.

Government Publication Date: Nov 1, 2018

Historic Material Licensing Tracking System (MLTS) sites:

HIST MLTS

A historic list of sites that have inactive licenses and/or removed from the Material Licensing Tracking System (MLTS). In some cases, a site is removed from the MLTS when the state becomes an "Agreement State". An Agreement State is a State that has signed an agreement with the Nuclear Regulatory Commission (NRC) authorizing the State to regulate certain uses of radioactive materials within the State.

Government Publication Date: Jan 31, 2010

Mines Master Index File:

MINES

The Master Index File (MIF) contains mine identification numbers issued by the Department of Labor Mine Safety and Health Administration (MSHA) for mines active or opened since 1971. Note that addresses may or may not correspond with the physical location of the mine itself.

Government Publication Date: Jan 30, 2018

Alternative Fueling Stations:

ALT FUELS

List of alternative fueling stations made available by the US Department of Energy's Office of Energy Efficiency & Renewable Energy. Includes Biodiesel stations, Ethanol (E85) stations, Liquefied Petroleum Gas (Propane) stations, Ethanol (E85) stations, Natural Gas stations, Hydrogen stations, and Electric Vehicle Supply Equipment (EVSE). The National Renewable Energy Laboratory (NREL) obtains information about new stations from trade media, Clean Cities coordinators, a Submit New Station form on the Station Locator website, and through collaborating with infrastructure equipment and fuel providers, original equipment manufacturers (OEMs), and industry groups.

Government Publication Date: Jan 15, 2019

Registered Pesticide Establishments:

SSTS

List of active EPA-registered foreign and domestic pesticide-producing and device-producing establishments based on data from the Section Seven Tracking System (SSTS). The Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) Section 7 requires that facilities producing pesticides, active ingredients, or devices be registered. The list of establishments is made available by the EPA.

Government Publication Date: Mar 1, 2018

Polychlorinated Biphenyl (PCB) Notifiers:

PCB

Facilities included in the national list of facilities that have notified the United States Environmental Protection Agency (EPA) of Polychlorinated Biphenyl (PCB) activities. Any company or person storing, transporting or disposing of PCBs or conducting PCB research and development must notify the EPA and receive an identification number.

Government Publication Date: Sep 14, 2018

State**Dry Cleaning Facilities:**

DRYCLEANERS

A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial, linen supply, commercial laundry, dry cleaning and pressing machines - Coin Operated Laundry and Dry Cleaning. This is provided by the Department of Toxic Substance Control.

Government Publication Date: Jan 18, 2019

Delisted Drycleaners:

DELISTED DRYCLEANERS

Sites removed from the list of drycleaner related facilities that have EPA ID numbers, made available by the California Department of Toxic Substance Control.

Government Publication Date: Jan 18, 2019

Non-Toxic Dry Cleaning Incentive Program:

DRYC GRANT

A list of grant recipients of the Non-Toxic Dry Cleaning Incentive Program made available by the California Air Resources Board (CARB). The program provides grants to eligible dry cleaning businesses to assist them in transitioning away from PERC machines to alternative non-toxic and non-smog forming technologies.

Government Publication Date: Feb 28, 2018

Hazardous Waste and Substances Site List - Site Cleanup:

HWSS CLEANUP

The Hazardous Waste and Substances Sites (Cortese) List is a planning document used by the State, local agencies and developers to comply with the California Environmental Quality Act requirements in providing information about the location of hazardous materials release sites. This list is published by California Department of Toxic Substance Control.

Government Publication Date: Dec 4, 2018

List of Hazardous Waste Facilities Subject to Corrective Action:

DTSC HWF

This is a list of hazardous waste facilities identified in Health and Safety Code (HSC) § 25187.5. These facilities are those where Department of Toxic Substances Control (DTSC) has taken or contracted for corrective action because a facility owner/operator has failed to comply with a date for taking corrective action in an order issued under HSC § 25187, or because DTSC determined that immediate corrective action was necessary to abate an imminent or substantial endangerment.

Government Publication Date: Jul 18, 2016

EnviroStor Inspection, Compliance, and Enforcement:

INSP COMP ENF

A list of permitted facilities with inspections and enforcements tracked in the Department of Toxic Substance Control (DTSC) EnviroStor.

Government Publication Date: Oct 2, 2018

School Property Evaluation Program Sites:

SCH

A list of sites registered with The Department of Toxic Substances Control (DTSC) School Property Evaluation and Cleanup (SPEC) Division. SPEC is responsible for assessing, investigating and cleaning up proposed school sites. The Division ensures that selected properties are free of contamination or, if the properties were previously contaminated, that they have been cleaned up to a level that protects the students and staff who will occupy the new school.

Government Publication Date: Dec 20, 2018

California Hazardous Material Incident Report System (CHMIRS):

CHMIRS

A list of reported hazardous material incidents, spills, and releases from the California Hazardous Material Incident Report System (CHMIRS). This list has been made available by the California Office of Emergency Services (OES).

Government Publication Date: Jun 19, 2018

Hazardous Waste Manifest Data:

HAZNET

A list of hazardous waste manifests received each year by Department of Toxic Substances Control (DTSC). The volume of manifests is typically 900,000 - 1,000,000 annually, representing approximately 450,000 - 500,000 shipments.

Government Publication Date: Oct 24, 2016

Historical California Hazardous Material Incident Report System (CHMIRS):

HIST CHMIRS

A list of reported hazardous material incidents, spills, and releases from the California Hazardous Material Incident Report System (CHMIRS) prior to 1993. This list has been made available by the California Office of Emergency Services (OES).

Government Publication Date: Jan 1, 1993

Historical Hazardous Waste Manifest Data:

HIST MANIFEST

A list of historic hazardous waste manifests received by the Department of Toxic Substances Control (DTSC) from year the 1980 to 1992. The volume of manifests is typically 900,000 - 1,000,000 annually, representing approximately 450,000 - 500,000 shipments.

Government Publication Date: Dec 31, 1992

Historical Cortese List:

HIST CORTESE

List of sites which were once included on the Cortese list. The Hazardous Waste and Substances Sites (Cortese) List is a planning document used by the State, local agencies and developers to comply with the California Environmental Quality Act requirements for providing information about the location of hazardous sites.

Government Publication Date: Nov 13, 2008

Cease and Desist Orders and Cleanup and Abatement Orders:

CDO/CAO

The California Environment Protection Agency "Cortese List" of active Cease and Desist Orders (CDO) and Cleanup and Abatement Orders (CAO). This list contains many CDOs and CAOs that do NOT concern the discharge of wastes that are hazardous materials. Many of the listed orders concern, as examples, discharges of domestic sewage, food processing wastes, or sediment that do not contain hazardous materials, but the Water Boards' database does not distinguish between these types of orders.

Government Publication Date: Feb 16, 2012

California Environmental Reporting System (CERS) Hazardous Waste Sites:

[CERS HAZ](#)

List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the following regulatory programs: Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, RCRA LQ HW Generator. The CalEPA oversees the statewide implementation of the Unified Program which applies regulatory standards to protect Californians from hazardous waste and materials.

Government Publication Date: Nov 29, 2018

Delisted Environmental Reporting System (CERS) Hazardous Waste Sites:

[DELISTED HAZ](#)

This database contains a list of sites that were removed from the California Environmental Protection Agency (CalEPA) in the following regulatory programs: Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, RCRA LQ HW Generator.

Government Publication Date: Nov 29, 2018

Waste Discharge Requirements:

[WASTE DISCHG](#)

List of sites in California State Water Resources Control Board (SWRCB) Waste Discharge Requirements (WDRs) Program in California, made available by the SWRCB via GeoTracker. The WDR program regulates point discharges that are exempt pursuant to Subsection 20090 of Title 27 and not subject to the Federal Water Pollution Control Act. The scope of the WDRs Program also includes the discharge of wastes classified as inert, pursuant to section 20230 of Title 27.

Government Publication Date: Nov 30, 2018

Toxic Pollutant Emissions Facilities:

[EMISSIONS](#)

A list of criteria and toxic pollutant emissions data for facilities in California made available by the California Environmental Protection Agency - Air Resources Board (ARB). Risk data may be based on previous inventory submittals. The toxics data are submitted to the ARB by the local air districts as requirement of the Air Toxics "Hot Spots" Program. This program requires emission inventory updates every four years.

Government Publication Date: Dec 31, 2016

Clandestine Drug Lab Sites:

[CDL](#)

The Department of Toxic Substances Control (DTSC) maintains a listing of drug lab sites. DTSC is responsible for removal and disposal of hazardous substances discovered by law enforcement officials while investigating illegal/ clandestine drug laboratories.

Government Publication Date: Dec 31, 2017

Tribal

No Tribal additional environmental record sources available for this State.

County

Los Angeles County - Site Mitigation List:

[LA SML](#)

A Site Mitigation List in the County of Los Angeles. The list is made available by Los Angeles County Fire Department. Site mitigation is handled by the Site Mitigation Unit (SMU) which facilitates completion of site clean-up projects of contaminated sites in an expeditious manner in all cities of the Los Angeles County except El Segundo, Glendale, Long Beach, Santa Fe Springs, and Vernon.

Government Publication Date: Jan 9, 2019

Los Angeles County - Santa Monica City Hazardous Materials Facilities:

[SANTAMON HAZ](#)

A list of Hazardous Materials Facilities in the City of Santa Monica, Los Angeles county. This list is made available by Santa Monica Fire Prevention Division which has been designated as the CUPA for the City.

Government Publication Date: Aug 21, 2018

Los Angeles County - Santa Monica City Hazardous Waste Facilities:

[SANTAMON HW](#)

A list of Hazardous Waste Facilities in Los Angeles County, City of Santa Monica. This list is made available by Santa Monica Fire Prevention Division.

Government Publication Date: Aug 21, 2018

Definitions

Database Descriptions: This section provides a detailed explanation for each database including: source, information available, time coverage, and acronyms used. They are listed in alphabetic order.

Detail Report: This is the section of the report which provides the most detail for each individual record. Records are summarized by location, starting with the project property followed by records in closest proximity.

Distance: The distance value is the distance between plotted points, not necessarily the distance between the sites' boundaries. All values are an approximation.

Direction: The direction value is the compass direction of the site in respect to the project property and/or center point of the report.

Elevation: The elevation value is taken from the location at which the records for the site address have been plotted. All values are an approximation. Source: Google Elevation API.

Executive Summary: This portion of the report is divided into 3 sections:

'Report Summary'- Displays a chart indicating how many records fall on the project property and, within the report search radii.

'Site Report Summary'-Project Property'- This section lists all the records which fall on the project property. For more details, see the 'Detail Report' section.

'Site Report Summary-Surrounding Properties'- This section summarizes all records on adjacent properties, listing them in order of proximity from the project property. For more details, see the 'Detail Report' section.

Map Key: The map key number is assigned according to closest proximity from the project property. Map Key numbers always start at #1. The project property will always have a map key of '1' if records are available. If there is a number in brackets beside the main number, this will indicate the number of records on that specific property. If there is no number in brackets, there is only one record for that property.

The symbol and colour used indicates 'elevation': the red inverted triangle will dictate 'ERIS Sites with Lower Elevation', the yellow triangle will dictate 'ERIS Sites with Higher Elevation' and the orange square will dictate 'ERIS Sites with Same Elevation.'

Unplottables: These are records that could not be mapped due to various reasons, including limited geographic information. These records may or may not be in your study area, and are included as reference.



Property Information

Order Number: 20190215102p
Date Completed: February 16, 2019
Project Number: 136895.19R000-001.135
Project Property: 465,491,503,525 & 577 South Arroyo Parkway
465 Pasadena CA 91105
Coordinates:
Latitude: 34.137103
Longitude: -118.14781
UTM Northing: 3777952.80164 Meters
UTM Easting: 394170.162254 Meters
UTM Zone: UTM Zone 11S
Elevation: 793.55 ft
Slope Direction: S

Topographic Information.....	2
Hydrologic Information.....	4
Geologic Information.....	7
Soil Information.....	9
Wells and Additional Sources.....	11
Summary.....	12
Detail Report.....	19
Radon Information.....	476
Appendix.....	477
Liability Notice.....	479

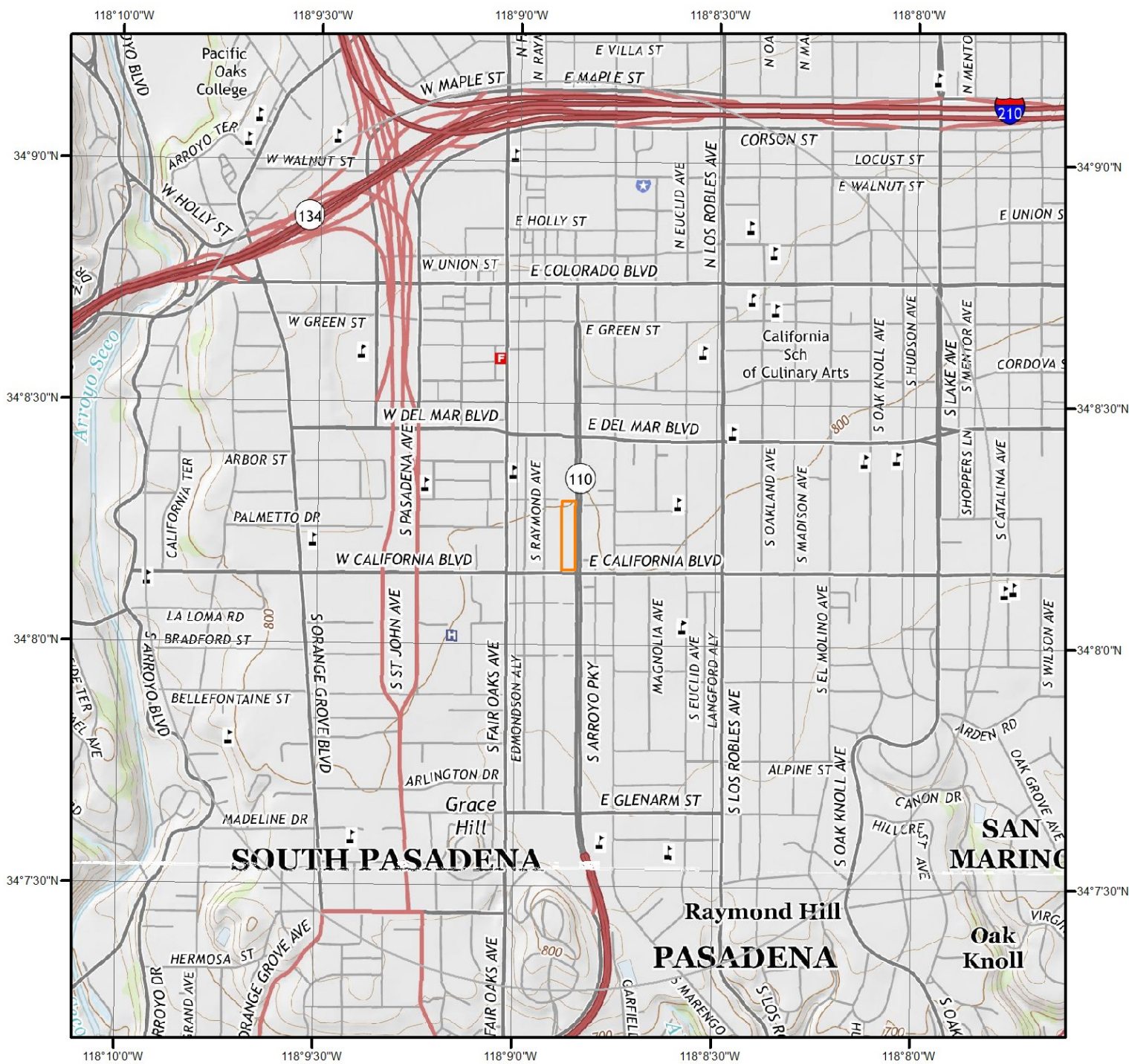
The ERIS **Physical Setting Report - PSR** provides comprehensive information about the physical setting around a site and includes a complete overview of topography and surface topology, in addition to hydrologic, geologic and soil characteristics. The location and detailed attributes of oil and gas wells, water wells, public water systems and radon are also included for review.

The compilation of both physical characteristics of a site and additional attribute data is useful in assessing the impact of migration of contaminants and subsequent impact on soils and groundwater.

Disclaimer

This Report does not provide a full environmental evaluation for the site or adjacent properties. Please see the terms and disclaimer at the end of the Report for greater detail.

Topographic Information



Current USGS Topo

Quadrangle(s): Los Angeles, CA; Pasadena, CA

Source: USGS 7.5 Minute Topographic Map

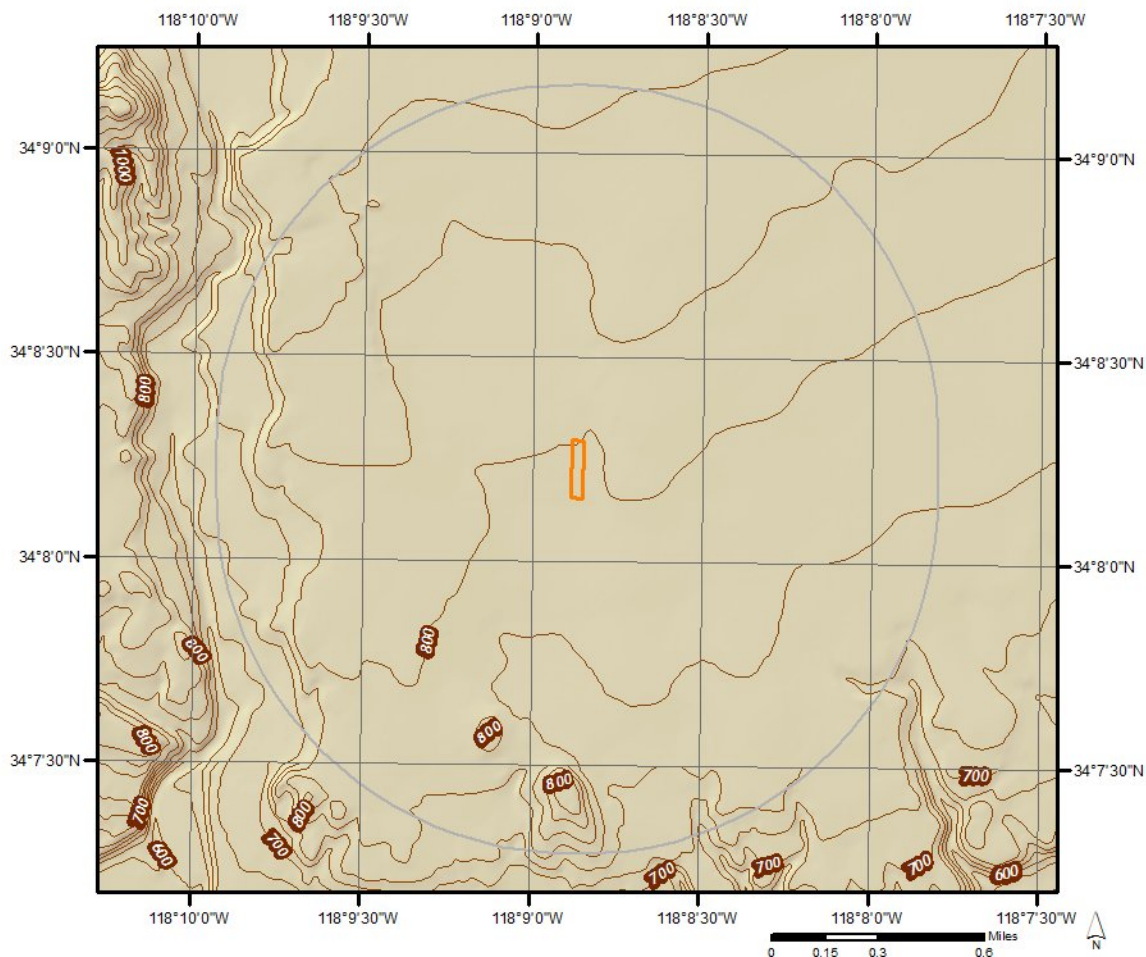


Topographic Information

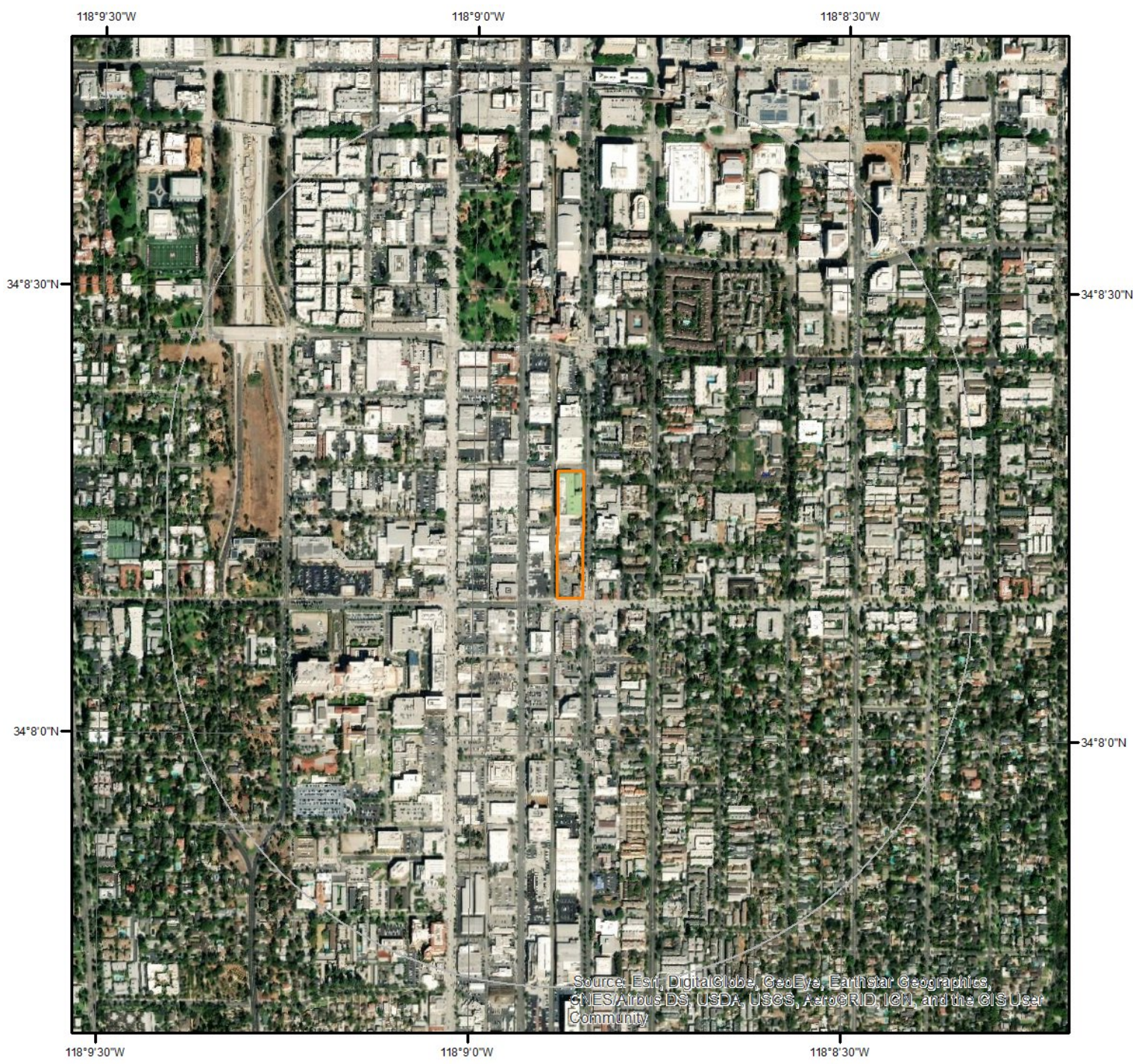
The previous topographic map(s) are created by seamlessly merging and cutting current USGS topographic data. Below are shaded relief map(s), derived from USGS elevation data to show surrounding topography in further detail.

Topographic information at project property:

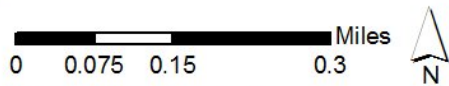
Elevation: 793.55 ft
Slope Direction: S









Hydrologic Information



Wetland



This map shows wetland existence using data from US Fish & Wildlife. Data coverage is shown to the right. Gray indicates no data available in the area.

- | | |
|---|---|
|  Estuarine and Marine Deepwater |  Freshwater Pond |
|  Estuarine and Marine Wetland |  Lake |
|  Freshwater Emergent Wetland |  Other |
|  Freshwater Forested/Shrub Wetland |  Riverine |



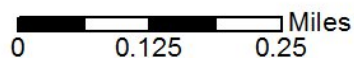
Hydrologic Information



Flood Hazard Zones

This map shows FEMA flood hazard zones. FIRM panels are shown to the right, and blank indicates no data is available.

	A		AH		VE		OPEN WATER
	A99		AO		D		NOT POPULATED
	AE		V		X		AREA NOT INCLUDED



Hydrologic Information

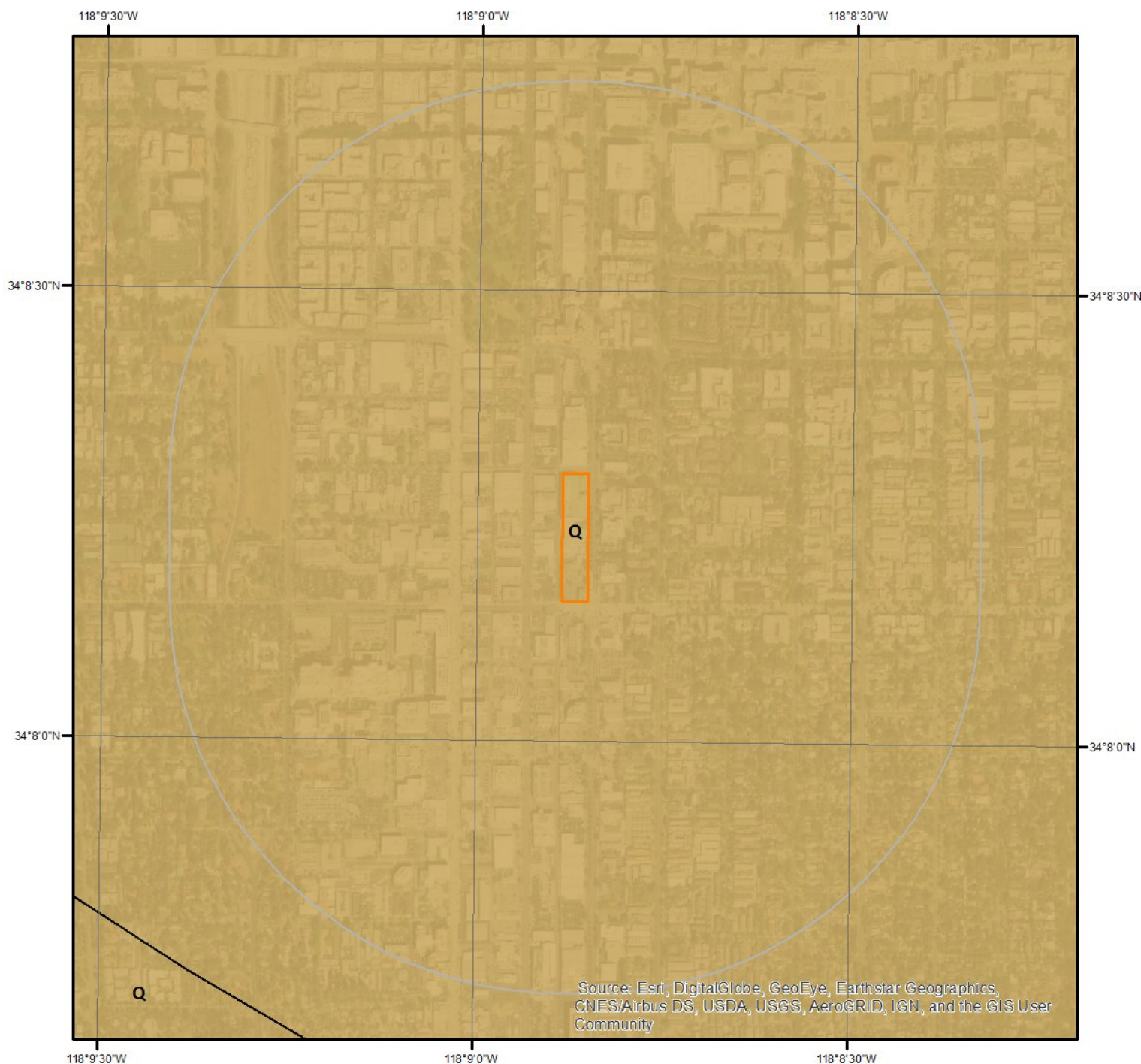
The Wetland Type map shows wetland existence overlaid on an aerial imagery. The Flood Hazard Zones map shows FEMA flood hazard zones overlaid on an aerial imagery. Relevant FIRM panels and detailed zone information is provided below.

Available FIRM Panels in area:	06037C1375F(effective:2008-09-26)
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Flood Zone X-12

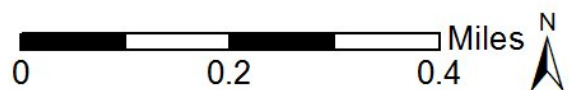
Zone:	X
Zone subtype:	AREA OF MINIMAL FLOOD HAZARD

Geologic Information



Geologic Units

This maps shows geologic units in the area. Please refer to the report for detailed descriptions.



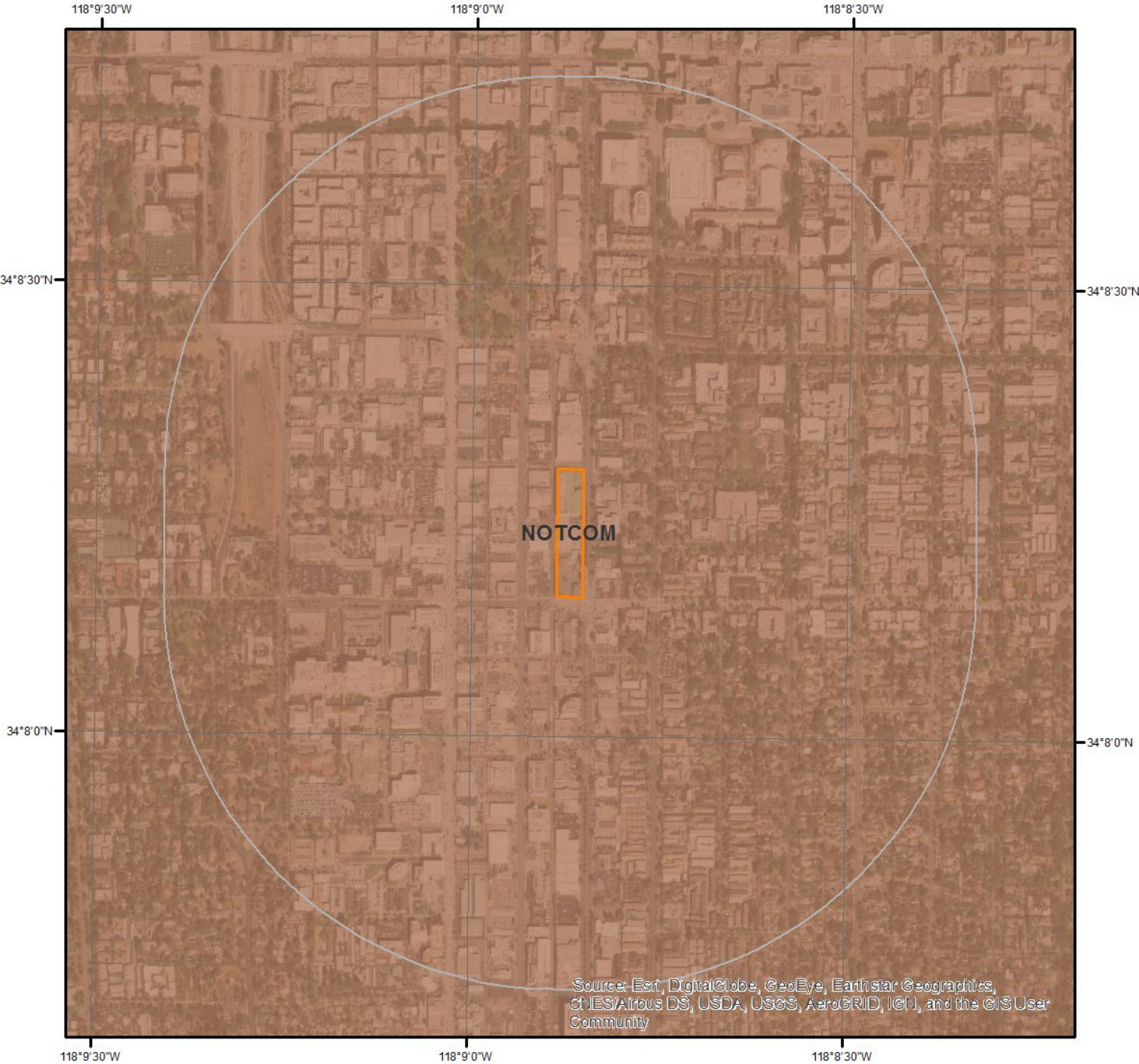
Geologic Information

The previous page shows USGS geology information. Detailed information about each unit is provided below.

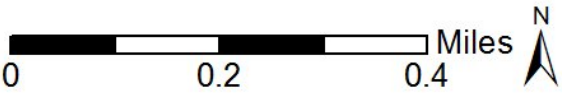
Geologic Unit Q

Unit Name:	Quaternary alluvium and marine deposits
Unit Age:	Pliocene to Holocene
Primary Rock Type:	alluvium
Secondary Rock Type:	terrace
Unit Description:	Alluvium, lake, playa, and terrace deposits; unconsolidated and semi-consolidated. Mostly nonmarine, but includes marine deposits near the coast.

Soil Information



SSURGO Soils



This maps shows SSURGO soil units around the target property. Please refer to the report for detailed soil descriptions.



Soil Information

The previous page shows a soil map using SSURGO data from USDA Natural Resources Conservation Service. Detailed information about each unit is provided below.

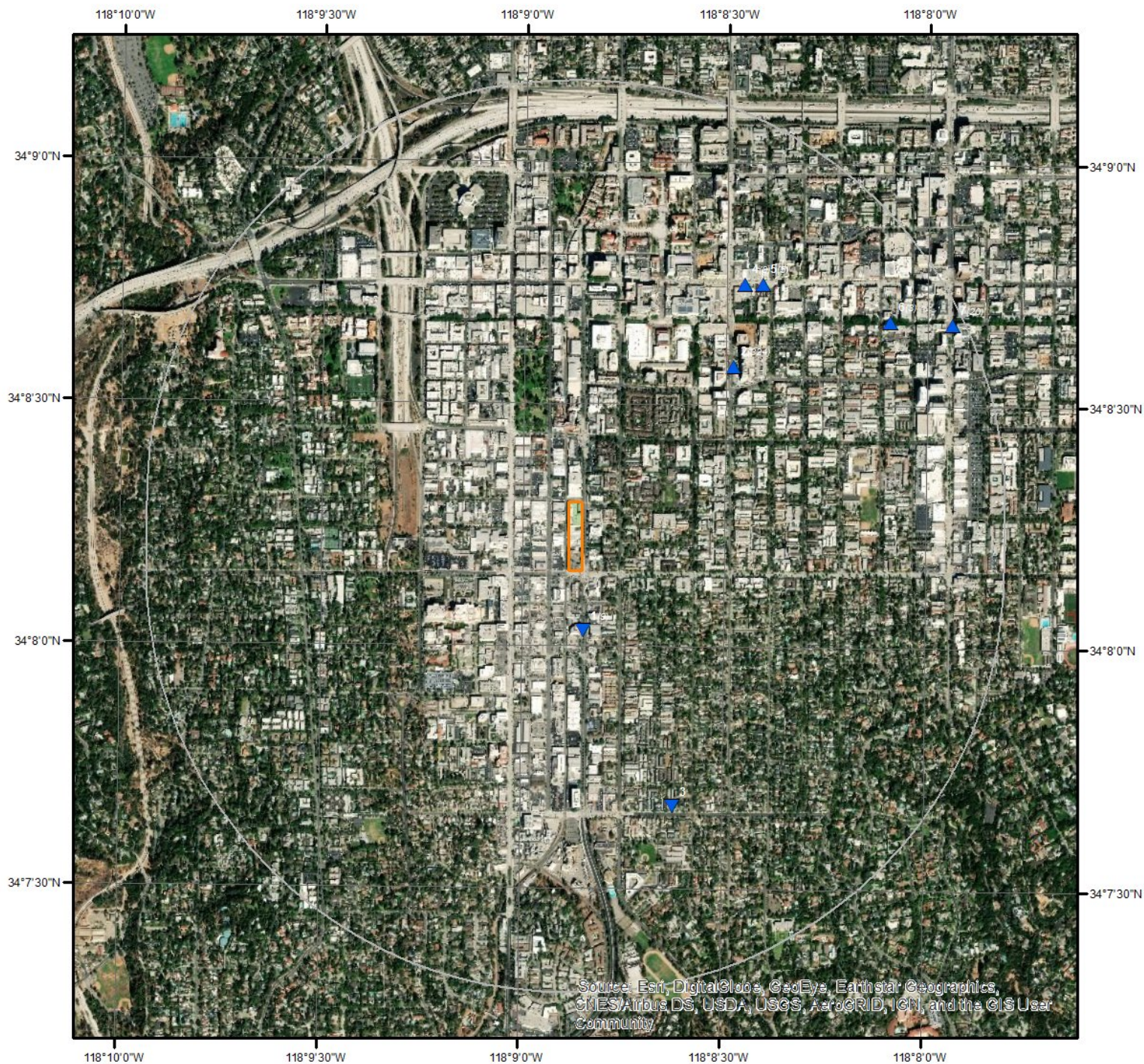
Map Unit NOTCOM

Map Unit Name:

No Digital Data Available

No more attributes available for this map unit

Wells and Additional Sources



Wells & Additional Sources

- ▲ Sites with Higher Elevation
- Sites with Same Elevation
- ▼ Sites with Lower Elevation
- Sites with Unknown Elevation



0 0.15 0.3 0.6 Miles



Wells and Additional Sources Summary

Federal Sources

Public Water Systems Violations and Enforcement Data

Map Key	PWS ID	Distance (ft)	Direction
1	CA2210922	755.35	S
2	CA1910446	2,539.22	NE
2	CA1910437	2,539.22	NE
2	CA1910451	2,539.22	NE
2	CA1910449	2,539.22	NE
2	CA1910418	2,539.22	NE
2	CA1910435	2,539.22	NE
2	CA1910447	2,539.22	NE
2	CA1910433	2,539.22	NE
2	CA1910420	2,539.22	NE
2	CA1910428	2,539.22	NE
2	CA1910124	2,539.22	NE
2	CA1910401	2,539.22	NE
2	CA1910444	2,539.22	NE
2	CA1910414	2,539.22	NE
2	CA1910402	2,539.22	NE
2	CA1910426	2,539.22	NE
2	CA1910440	2,539.22	NE
2	CA1910436	2,539.22	NE
2	CA1910404	2,539.22	NE
2	CA1910411	2,539.22	NE
2	CA1910421	2,539.22	NE
2	CA1910454	2,539.22	NE
2	CA1910442	2,539.22	NE
2	CA1910417	2,539.22	NE
2	CA1910410	2,539.22	NE
2	CA1910422	2,539.22	NE
2	CA1910412	2,539.22	NE
2	CA1910429	2,539.22	NE
2	CA1910416	2,539.22	NE
2	CA1910424	2,539.22	NE
2	CA1910434	2,539.22	NE
2	CA1910441	2,539.22	NE
2	CA1910407	2,539.22	NE
2	CA1910413	2,539.22	NE
2	CA1910431	2,539.22	NE
2	CA1910425	2,539.22	NE
2	CA1910423	2,539.22	NE
2	CA1910408	2,539.22	NE
2	CA1910405	2,539.22	NE
2	CA1910403	2,539.22	NE
2	CA1910438	2,539.22	NE
2	CA1910409	2,539.22	NE
2	CA1910445	2,539.22	NE
2	CA1910400	2,539.22	NE
2	CA1910450	2,539.22	NE
2	CA1910430	2,539.22	NE
2	CA1910452	2,539.22	NE
2	CA1910427	2,539.22	NE
2	CA1910406	2,539.22	NE
2	CA1910432	2,539.22	NE
2	CA1910419	2,539.22	NE
2	CA1910453	2,539.22	NE
2	CA1910415	2,539.22	NE
2	CA1910448	2,539.22	NE

Wells and Additional Sources Summary

2	CA1910439	2,539.22	NE
4	CA3701217	3,404.07	NE
5	CA3600532	3,543.35	NE
6	CA5400614	4,467.92	NE
6	GA0510043	4,467.92	NE
7	CA3400190	5,133.70	ENE
7	GA0590003	5,133.70	ENE
7	TX1810103	5,133.70	ENE
7	MO3048005	5,133.70	ENE

Safe Drinking Water Information System (SDWIS)

Map Key	PWS ID	Distance (ft)	Direction
1	CA2210922	755.35	S
1	CA2210922	755.35	S
1	CA2210922	755.35	S
1	CA2210922	755.35	S
1	CA2210922	755.35	S
1	CA2210922	755.35	S
1	CA2210922	755.35	S
1	CA2210922	755.35	S
2	CA1910401	2,539.22	NE
2	CA1910124	2,539.22	NE
2	CA1910423	2,539.22	NE
2	CA1910124	2,539.22	NE
2	CA1910440	2,539.22	NE
2	CA1910447	2,539.22	NE
2	CA1910124	2,539.22	NE
2	CA1910453	2,539.22	NE
2	CA1910124	2,539.22	NE
2	CA1910124	2,539.22	NE
2	CA1910124	2,539.22	NE
2	CA1910124	2,539.22	NE
2	CA1910448	2,539.22	NE
2	CA1910124	2,539.22	NE
2	CA1910420	2,539.22	NE
2	CA1910124	2,539.22	NE
2	CA1910124	2,539.22	NE
2	CA1910431	2,539.22	NE
2	CA1910124	2,539.22	NE
2	CA1910124	2,539.22	NE
2	CA1910450	2,539.22	NE
2	CA1910124	2,539.22	NE
2	CA1910438	2,539.22	NE
2	CA1910451	2,539.22	NE
2	CA1910445	2,539.22	NE
2	CA1910124	2,539.22	NE
2	CA1910124	2,539.22	NE
2	CA1910124	2,539.22	NE
2	CA1910448	2,539.22	NE
2	CA1910407	2,539.22	NE
2	CA1910124	2,539.22	NE
2	CA1910124	2,539.22	NE
2	CA1910124	2,539.22	NE
2	CA1910124	2,539.22	NE
2	CA1910124	2,539.22	NE
2	CA1910403	2,539.22	NE
2	CA1910417	2,539.22	NE
2	CA1910124	2,539.22	NE
2	CA1910454	2,539.22	NE
2	CA1910414	2,539.22	NE
2	CA1910441	2,539.22	NE
2	CA1910414	2,539.22	NE
2	CA1910124	2,539.22	NE

Wells and Additional Sources Summary

2	CA1910417	2,539.22	NE
2	CA1910434	2,539.22	NE
2	CA1910419	2,539.22	NE
2	CA1910124	2,539.22	NE
2	CA1910447	2,539.22	NE
2	CA1910453	2,539.22	NE
2	CA1910124	2,539.22	NE
2	CA1910124	2,539.22	NE
2	CA1910424	2,539.22	NE
2	CA1910124	2,539.22	NE
2	CA1910124	2,539.22	NE
2	CA1910124	2,539.22	NE
2	CA1910452	2,539.22	NE
2	CA1910124	2,539.22	NE
2	CA1910124	2,539.22	NE
2	CA1910124	2,539.22	NE
2	CA1910124	2,539.22	NE
2	CA1910124	2,539.22	NE
2	CA1910434	2,539.22	NE
2	CA1910124	2,539.22	NE
2	CA1910412	2,539.22	NE
2	CA1910446	2,539.22	NE
2	CA1910420	2,539.22	NE
2	CA1910124	2,539.22	NE
2	CA1910124	2,539.22	NE
2	CA1910124	2,539.22	NE
2	CA1910445	2,539.22	NE
2	CA1910124	2,539.22	NE
2	CA1910429	2,539.22	NE
2	CA1910124	2,539.22	NE
2	CA1910124	2,539.22	NE
2	CA1910432	2,539.22	NE
2	CA1910124	2,539.22	NE
2	CA1910421	2,539.22	NE
2	CA1910431	2,539.22	NE
2	CA1910124	2,539.22	NE
2	CA1910401	2,539.22	NE
2	CA1910124	2,539.22	NE
2	CA1910124	2,539.22	NE
2	CA1910124	2,539.22	NE
2	CA1910124	2,539.22	NE
2	CA1910124	2,539.22	NE
2	CA1910436	2,539.22	NE
2	CA1910433	2,539.22	NE
2	CA1910124	2,539.22	NE
2	CA1910439	2,539.22	NE
2	CA1910124	2,539.22	NE
2	CA1910437	2,539.22	NE
2	CA1910124	2,539.22	NE
2	CA1910406	2,539.22	NE
2	CA1910428	2,539.22	NE
2	CA1910426	2,539.22	NE
2	CA1910124	2,539.22	NE
2	CA1910412	2,539.22	NE
2	CA1910452	2,539.22	NE
2	CA1910124	2,539.22	NE
2	CA1910124	2,539.22	NE
2	CA1910124	2,539.22	NE
2	CA1910408	2,539.22	NE
2	CA1910451	2,539.22	NE
2	CA1910416	2,539.22	NE
2	CA1910124	2,539.22	NE
2	CA1910124	2,539.22	NE
2	CA1910124	2,539.22	NE
2	CA1910124	2,539.22	NE
2	CA1910124	2,539.22	NE
2	CA1910124	2,539.22	NE
2	CA1910124	2,539.22	NE
2	CA1910124	2,539.22	NE

Wells and Additional Sources Summary

2	CA1910124	2,539.22	NE
2	CA1910124	2,539.22	NE
2	CA1910124	2,539.22	NE
2	CA1910124	2,539.22	NE
2	CA1910124	2,539.22	NE
2	CA1910124	2,539.22	NE
2	CA1910439	2,539.22	NE
2	CA1910124	2,539.22	NE
2	CA1910411	2,539.22	NE
2	CA1910409	2,539.22	NE
2	CA1910124	2,539.22	NE
2	CA1910427	2,539.22	NE
2	CA1910124	2,539.22	NE
2	CA1910124	2,539.22	NE
2	CA1910424	2,539.22	NE
2	CA1910124	2,539.22	NE
2	CA1910438	2,539.22	NE
2	CA1910124	2,539.22	NE
2	CA1910124	2,539.22	NE
2	CA1910452	2,539.22	NE
2	CA1910124	2,539.22	NE
2	CA1910124	2,539.22	NE
2	CA1910403	2,539.22	NE
2	CA1910410	2,539.22	NE
2	CA1910444	2,539.22	NE
2	CA1910419	2,539.22	NE
2	CA1910124	2,539.22	NE
2	CA1910124	2,539.22	NE
2	CA1910124	2,539.22	NE
2	CA1910416	2,539.22	NE
2	CA1910410	2,539.22	NE
2	CA1910425	2,539.22	NE
2	CA1910404	2,539.22	NE
2	CA1910440	2,539.22	NE
2	CA1910404	2,539.22	NE
2	CA1910452	2,539.22	NE
2	CA1910124	2,539.22	NE
2	CA1910124	2,539.22	NE
2	CA1910124	2,539.22	NE
2	CA1910429	2,539.22	NE
2	CA1910402	2,539.22	NE
2	CA1910124	2,539.22	NE
2	CA1910124	2,539.22	NE
2	CA1910421	2,539.22	NE
2	CA1910124	2,539.22	NE
2	CA1910405	2,539.22	NE
2	CA1910124	2,539.22	NE
2	CA1910124	2,539.22	NE
2	CA1910124	2,539.22	NE
2	CA1910430	2,539.22	NE
2	CA1910124	2,539.22	NE
2	CA1910124	2,539.22	NE
2	CA1910124	2,539.22	NE
2	CA1910124	2,539.22	NE
2	CA1910449	2,539.22	NE
2	CA1910423	2,539.22	NE
2	CA1910124	2,539.22	NE
2	CA1910430	2,539.22	NE
2	CA1910400	2,539.22	NE
2	CA1910124	2,539.22	NE
2	CA1910124	2,539.22	NE
2	CA1910124	2,539.22	NE
2	CA1910124	2,539.22	NE
2	CA1910402	2,539.22	NE
2	CA1910124	2,539.22	NE
2	CA1910124	2,539.22	NE

Wells and Additional Sources Summary

[illegible]

Wells and Additional Sources Summary

2	CA1910124	2,539.22	NE
2	CA1910124	2,539.22	NE
2	CA1910436	2,539.22	NE
2	CA1910124	2,539.22	NE
2	CA1910124	2,539.22	NE
2	CA1910124	2,539.22	NE
2	CA1910124	2,539.22	NE
2	CA1910124	2,539.22	NE
2	CA1910124	2,539.22	NE
2	CA1910124	2,539.22	NE
2	CA1910124	2,539.22	NE
2	CA1910411	2,539.22	NE
2	CA1910432	2,539.22	NE
2	CA1910124	2,539.22	NE
2	CA1910124	2,539.22	NE
2	CA1910124	2,539.22	NE
2	CA1910124	2,539.22	NE
2	CA1910124	2,539.22	NE
2	CA1910413	2,539.22	NE
2	CA1910425	2,539.22	NE
2	CA1910124	2,539.22	NE
2	CA1910124	2,539.22	NE
2	CA1910124	2,539.22	NE
2	CA1910124	2,539.22	NE
2	CA1910124	2,539.22	NE
2	CA1910124	2,539.22	NE
2	CA1910454	2,539.22	NE
2	CA1910422	2,539.22	NE
2	CA1910124	2,539.22	NE
4	CA3701217	3,404.07	NE
4	CA3701217	3,404.07	NE
4	CA3701217	3,404.07	NE
4	CA3701217	3,404.07	NE
4	CA3701217	3,404.07	NE
4	CA3701217	3,404.07	NE
4	CA3701217	3,404.07	NE
5	CA3600532	3,543.35	NE
5	CA3600532	3,543.35	NE
5	CA3600532	3,543.35	NE
5	CA3600532	3,543.35	NE
6	CA5400614	4,467.92	NE
7	CA1900913	5,133.70	ENE
7	CA1900913	5,133.70	ENE
7	CA1900913	5,133.70	ENE
7	CA1900913	5,133.70	ENE
7	CA1900913	5,133.70	ENE
7	CA3400190	5,133.70	ENE
7	CA1900913	5,133.70	ENE
7	CA1900913	5,133.70	ENE
7	CA1900913	5,133.70	ENE
7	CA1900913	5,133.70	ENE
7	CA1900913	5,133.70	ENE
7	CA1900913	5,133.70	ENE
7	CA1900913	5,133.70	ENE
7	CA1900913	5,133.70	ENE
7	CA1900913	5,133.70	ENE

USGS National Water Information System

Map Key	ID	Distance (ft)	Direction
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No records found

Wells and Additional Sources Summary

State Sources

Oil and Gas Wells

Map Key	ID	Distance (ft)	Direction
No records found			

Public Water Supply Wells

Map Key	WCR No	Distance (ft)	Direction
3	WCR1982-005502	3,164.82	SSE

Water Wells

Map Key	ID	Distance (ft)	Direction
No records found			

Well Investigation Program Case List

Map Key	ID	Distance (ft)	Direction
No records found			

Wells and Additional Sources Detail Report

Public Water Systems Violations and Enforcement Data

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
1	S	0.14	755.35	778.24	PWSV

Address Line 2:

State Code: CA

Zip Code: 91105

City Name: PASADENA

Address Line 1: 675 S. ARROYO PKWY SUITE 300

PWS ID: CA2210922

PWS Type Code: TNCWS

PWS Type Description: Transient Non-Community Water System

Primary Source Code: GW

Primary Source Desc: Groundwater

PWS Activity Code: A

PWS Activity Description: Active

PWS Deactivation Date:

Phone Number: 626-577-1130

--Details--

Population Served Count: 25

City Served:

County Served: Mariposa

State Served: CA

Zip Code Served:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	PWSV

Address Line 2: 150 S. LOS ROBLES AVE

State Code: CA

Zip Code: 91101

City Name: PASADENA

Address Line 1:

PWS ID: CA1910446

PWS Type Code: TNCWS

PWS Type Description: Transient Non-Community Water System

Primary Source Code: GW

Primary Source Desc: Groundwater

PWS Activity Code: I

PWS Activity Description: Inactive

PWS Deactivation Date: 01/11/1993

Phone Number:

Wells and Additional Sources Detail Report

--Details--

Population Served Count: 25
City Served: NC BASIN CG
County Served:
State Served: CA
Zip Code Served:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	PWSV

Address Line 2: 150 S. LOS ROBLES AVE
State Code: CA
Zip Code: 91101
City Name: PASADENA
Address Line 1:
PWS ID: CA1910437
PWS Type Code: TNCWS
PWS Type Description: Transient Non-Community Water System
Primary Source Code: GW
Primary Source Desc: Groundwater
PWS Activity Code: I
PWS Activity Description: Inactive
PWS Deactivation Date: 01/11/1993
Phone Number:

--Details--

Population Served Count: 25
City Served: NC WINSTON SPR
County Served:
State Served: CA
Zip Code Served:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	PWSV

Address Line 2: 150 S. LOS ROBLES AVE
State Code: CA
Zip Code: 91101
City Name: PASADENA
Address Line 1:
PWS ID: CA1910451
PWS Type Code: TNCWS
PWS Type Description: Transient Non-Community Water System
Primary Source Code: GW
Primary Source Desc: Groundwater
PWS Activity Code: I

Wells and Additional Sources Detail Report

PWS Activity Description: Inactive
PWS Deactivation Date: 01/11/1993
Phone Number:

--Details--

Population Served Count: 25
City Served: NC HIDDEN SPR P
County Served:
State Served: CA
Zip Code Served:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	PWSV

Address Line 2: 150 S. LOS ROBLES AVE
State Code: CA
Zip Code: 91101
City Name: PASADENA
Address Line 1:
PWS ID: CA1910449
PWS Type Code: TNCWS
PWS Type Description: Transient Non-Community Water System
Primary Source Code: GW
Primary Source Desc: Groundwater
PWS Activity Code: I
PWS Activity Description: Inactive
PWS Deactivation Date: 01/11/1993
Phone Number:

--Details--

Population Served Count: 25
City Served: NC DEAR SPR CG
County Served:
State Served: CA
Zip Code Served:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	PWSV

Address Line 2: 150 S. LOS ROBLES AVE
State Code: CA
Zip Code: 91101
City Name: PASADENA
Address Line 1:
PWS ID: CA1910418
PWS Type Code: TNCWS

Wells and Additional Sources Detail Report

PWS Type Description: Transient Non-Community Water System
Primary Source Code: GW
Primary Source Desc: Groundwater
PWS Activity Code: I
PWS Activity Description: Inactive
PWS Deactivation Date: 01/11/1993
Phone Number:

--Details--

Population Served Count: 25
City Served: NC BIG CIENAGA
County Served:
State Served: CA
Zip Code Served:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	PWSV

Address Line 2: 150 S. LOS ROBLES AVE
State Code: CA
Zip Code: 91101
City Name: PASADENA
Address Line 1:
PWS ID: CA1910435
PWS Type Code: TNCWS
PWS Type Description: Transient Non-Community Water System
Primary Source Code: SW
Primary Source Desc: Surface Water
PWS Activity Code: I
PWS Activity Description: Inactive
PWS Deactivation Date: 01/11/1993
Phone Number:

--Details--

Population Served Count: 25
City Served: NC PYRAMID LAKE
County Served:
State Served: CA
Zip Code Served:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	PWSV

Address Line 2: 150 S. LOS ROBLES AVE
State Code: CA
Zip Code: 91101

Wells and Additional Sources Detail Report

City Name: PASADENA
Address Line 1:
PWS ID: CA1910447
PWS Type Code: TNCWS
PWS Type Description: Transient Non-Community Water System
Primary Source Code: GW
Primary Source Desc: Groundwater
PWS Activity Code: I
PWS Activity Description: Inactive
PWS Deactivation Date: 01/11/1993
Phone Number:

--Details--

Population Served Count: 25
City Served: NC BIGPINES CG
County Served:
State Served: CA
Zip Code Served:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	PWSV

Address Line 2: 150 S. LOS ROBLES AVE
State Code: CA
Zip Code: 91101
City Name: PASADENA
Address Line 1:
PWS ID: CA1910433
PWS Type Code: TNCWS
PWS Type Description: Transient Non-Community Water System
Primary Source Code: GW
Primary Source Desc: Groundwater
PWS Activity Code: I
PWS Activity Description: Inactive
PWS Deactivation Date: 01/11/1993
Phone Number:

--Details--

Population Served Count: 25
City Served: NC FALLS CG
County Served:
State Served: CA
Zip Code Served:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	PWSV

Wells and Additional Sources Detail Report

Address Line 2: 150 S. LOS ROBLES AVE
State Code: CA
Zip Code: 91101
City Name: PASADENA
Address Line 1:
PWS ID: CA1910420
PWS Type Code: TNCWS
PWS Type Description: Transient Non-Community Water System
Primary Source Code: GW
Primary Source Desc: Groundwater
PWS Activity Code: I
PWS Activity Description: Inactive
PWS Deactivation Date: 01/11/1993
Phone Number:

--Details--

Population Served Count: 25
City Served: NC ELDORADOVILL
County Served:
State Served: CA
Zip Code Served:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	PWSV

Address Line 2: 150 S. LOS ROBLES AVE
State Code: CA
Zip Code: 91101
City Name: PASADENA
Address Line 1:
PWS ID: CA1910428
PWS Type Code: TNCWS
PWS Type Description: Transient Non-Community Water System
Primary Source Code: GW
Primary Source Desc: Groundwater
PWS Activity Code: I
PWS Activity Description: Inactive
PWS Deactivation Date: 01/11/1993
Phone Number:

--Details--

Population Served Count: 25
City Served: NC PROSPECT CG
County Served:
State Served: CA

Wells and Additional Sources Detail Report

Zip Code Served:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	PWSV

Address Line 2:

State Code: CA
Zip Code: 91101
City Name: PASADENA
Address Line 1: 150 S. LOS ROBLES AVE. SUITE 200
PWS ID: CA1910124
PWS Type Code: CWS
PWS Type Description: Community Water System
Primary Source Code: SWP
Primary Source Desc: Purchased Surface Water
PWS Activity Code: A
PWS Activity Description: Active
PWS Deactivation Date:
Phone Number: 626-744-4416

--Details--

Population Served Count: 165740
City Served: PASADENA
County Served: Los Angeles
State Served: CA
Zip Code Served:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	PWSV

Address Line 2: 150 S. LOS ROBLES AVE
State Code: CA
Zip Code: 91101
City Name: PASADENA
Address Line 1:
PWS ID: CA1910401
PWS Type Code: TNCWS
PWS Type Description: Transient Non-Community Water System
Primary Source Code: SW
Primary Source Desc: Surface Water
PWS Activity Code: I
PWS Activity Description: Inactive
PWS Deactivation Date: 01/11/1993
Phone Number:

--Details--

Wells and Additional Sources Detail Report

Population Served Count: 25
City Served: NC SAM OLENE GR
County Served:
State Served: CA
Zip Code Served:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	PWSV

Address Line 2: 150 S. LOS ROBLES AVE
State Code: CA
Zip Code: 91101
City Name: PASADENA
Address Line 1:
PWS ID: CA1910444
PWS Type Code: TNCWS
PWS Type Description: Transient Non-Community Water System
Primary Source Code: GW
Primary Source Desc: Groundwater
PWS Activity Code: I
PWS Activity Description: Inactive
PWS Deactivation Date: 01/11/1993
Phone Number:

--Details--

Population Served Count: 25
City Served: NC S FORK CG
County Served:
State Served: CA
Zip Code Served:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	PWSV

Address Line 2: 150 S. LOS ROBLES AVE
State Code: CA
Zip Code: 91101
City Name: PASADENA
Address Line 1:
PWS ID: CA1910414
PWS Type Code: TNCWS
PWS Type Description: Transient Non-Community Water System
Primary Source Code: SW
Primary Source Desc: Surface Water
PWS Activity Code: I
PWS Activity Description: Inactive

Wells and Additional Sources Detail Report

PWS Deactivation Date: 01/11/1993

Phone Number:

--Details--

Population Served Count: 25

City Served: NC COLDBROOK CG

County Served:

State Served: CA

Zip Code Served:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	PWSV

Address Line 2: 150 S. LOS ROBLES AVE

State Code: CA

Zip Code: 91101

City Name: PASADENA

Address Line 1:

PWS ID: CA1910402

PWS Type Code: TNCWS

PWS Type Description: Transient Non-Community Water System

Primary Source Code: GW

Primary Source Desc: Groundwater

PWS Activity Code: I

PWS Activity Description: Inactive

PWS Deactivation Date: 01/11/1993

Phone Number:

--Details--

Population Served Count: 25

City Served: NC BEAR CYN SPR

County Served:

State Served: CA

Zip Code Served:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	PWSV

Address Line 2: 150 S. LOS ROBLES AVE

State Code: CA

Zip Code: 91101

City Name: PASADENA

Address Line 1:

PWS ID: CA1910426

PWS Type Code: TNCWS

PWS Type Description: Transient Non-Community Water System

Wells and Additional Sources Detail Report

Primary Source Code: GW
Primary Source Desc: Groundwater
PWS Activity Code: I
PWS Activity Description: Inactive
PWS Deactivation Date: 01/11/1993
Phone Number:

--Details--

Population Served Count: 25
City Served: NC SPUNK SPR CG
County Served:
State Served: CA
Zip Code Served:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	PWSV

Address Line 2: 150 S. LOS ROBLES AVE
State Code: CA
Zip Code: 91101
City Name: PASADENA
Address Line 1:
PWS ID: CA1910440
PWS Type Code: TNCWS
PWS Type Description: Transient Non-Community Water System
Primary Source Code: GW
Primary Source Desc: Groundwater
PWS Activity Code: I
PWS Activity Description: Inactive
PWS Deactivation Date: 01/11/1993
Phone Number:

--Details--

Population Served Count: 25
City Served: NC APPLETREE CG
County Served:
State Served: CA
Zip Code Served:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	PWSV

Address Line 2: 150 S. LOS ROBLES AVE
State Code: CA
Zip Code: 91101
City Name: PASADENA

Wells and Additional Sources Detail Report

Address Line 1:
PWS ID: CA1910436
PWS Type Code: TNCWS
PWS Type Description: Transient Non-Community Water System
Primary Source Code: GW
Primary Source Desc: Groundwater
PWS Activity Code: I
PWS Activity Description: Inactive
PWS Deactivation Date: 01/11/1993
Phone Number:

--Details--

Population Served Count: 25
City Served: NC PINE CYN SPR
County Served:
State Served: CA
Zip Code Served:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	PWSV

Address Line 2: 150 S. LOS ROBLES AVE
State Code: CA
Zip Code: 91101
City Name: PASADENA
Address Line 1:
PWS ID: CA1910404
PWS Type Code: TNCWS
PWS Type Description: Transient Non-Community Water System
Primary Source Code: GW
Primary Source Desc: Groundwater
PWS Activity Code: I
PWS Activity Description: Inactive
PWS Deactivation Date: 01/11/1993
Phone Number:

--Details--

Population Served Count: 25
City Served: NC STEVENS SPRI
County Served:
State Served: CA
Zip Code Served:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	PWSV

Wells and Additional Sources Detail Report

Address Line 2: 150 S. LOS ROBLES AVE
State Code: CA
Zip Code: 91101
City Name: PASADENA
Address Line 1:
PWS ID: CA1910411
PWS Type Code: TNCWS
PWS Type Description: Transient Non-Community Water System
Primary Source Code: GW
Primary Source Desc: Groundwater
PWS Activity Code: I
PWS Activity Description: Inactive
PWS Deactivation Date: 01/11/1993
Phone Number:

--Details--

Population Served Count: 25
City Served: NC CHARLTON WEL
County Served:
State Served: CA
Zip Code Served:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	PWSV

Address Line 2: 150 S. LOS ROBLES AVE
State Code: CA
Zip Code: 91101
City Name: PASADENA
Address Line 1:
PWS ID: CA1910421
PWS Type Code: TNCWS
PWS Type Description: Transient Non-Community Water System
Primary Source Code: GW
Primary Source Desc: Groundwater
PWS Activity Code: I
PWS Activity Description: Inactive
PWS Deactivation Date: 01/11/1993
Phone Number:

--Details--

Population Served Count: 25
City Served: NC ALEXANDER SP
County Served:
State Served: CA
Zip Code Served:

Wells and Additional Sources Detail Report

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	PWSV

Address Line 2: 150 S. LOS ROBLES AVE
State Code: CA
Zip Code: 91101
City Name: PASADENA
Address Line 1:
PWS ID: CA1910454
PWS Type Code: TNCWS
PWS Type Description: Transient Non-Community Water System
Primary Source Code: GW
Primary Source Desc: Groundwater
PWS Activity Code: I
PWS Activity Description: Inactive
PWS Deactivation Date: 01/11/1993
Phone Number:

--Details--

Population Served Count: 25
City Served: NC SOLEDAD CG
County Served:
State Served: CA
Zip Code Served:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	PWSV

Address Line 2: 150 S. LOS ROBLES AVE
State Code: CA
Zip Code: 91101
City Name: PASADENA
Address Line 1:
PWS ID: CA1910442
PWS Type Code: TNCWS
PWS Type Description: Transient Non-Community Water System
Primary Source Code: GW
Primary Source Desc: Groundwater
PWS Activity Code: I
PWS Activity Description: Inactive
PWS Deactivation Date: 01/11/1993
Phone Number:

--Details--

Population Served Count: 25

Wells and Additional Sources Detail Report

City Served: NC LITTLE JIMMY
County Served:
State Served: CA
Zip Code Served:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	PWSV

Address Line 2: 150 S. LOS ROBLES AVE
State Code: CA
Zip Code: 91101
City Name: PASADENA
Address Line 1:
PWS ID: CA1910417
PWS Type Code: TNCWS
PWS Type Description: Transient Non-Community Water System
Primary Source Code: GW
Primary Source Desc: Groundwater
PWS Activity Code: I
PWS Activity Description: Inactive
PWS Deactivation Date: 01/11/1993
Phone Number:

--Details--

Population Served Count: 25
City Served: NC GLENN CG
County Served:
State Served: CA
Zip Code Served:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	PWSV

Address Line 2: 150 S. LOS ROBLES AVE
State Code: CA
Zip Code: 91101
City Name: PASADENA
Address Line 1:
PWS ID: CA1910410
PWS Type Code: TNCWS
PWS Type Description: Transient Non-Community Water System
Primary Source Code: SW
Primary Source Desc: Surface Water
PWS Activity Code: I
PWS Activity Description: Inactive
PWS Deactivation Date: 01/11/1993

Wells and Additional Sources Detail Report

Phone Number:

--Details--

Population Served Count: 25
City Served: NC RUSH CR STRE
County Served:
State Served: CA
Zip Code Served:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	PWSV

Address Line 2: 150 S. LOS ROBLES AVE
State Code: CA
Zip Code: 91101
City Name: PASADENA
Address Line 1:
PWS ID: CA1910422
PWS Type Code: TNCWS
PWS Type Description: Transient Non-Community Water System
Primary Source Code: GW
Primary Source Desc: Groundwater
PWS Activity Code: I
PWS Activity Description: Inactive
PWS Deactivation Date: 01/11/1993
Phone Number:

--Details--

Population Served Count: 25
City Served: NC ARTESIAN SPR
County Served:
State Served: CA
Zip Code Served:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	PWSV

Address Line 2: 150 S. LOS ROBLES AVE
State Code: CA
Zip Code: 91101
City Name: PASADENA
Address Line 1:
PWS ID: CA1910412
PWS Type Code: TNCWS
PWS Type Description: Transient Non-Community Water System
Primary Source Code: GW

Wells and Additional Sources Detail Report

Primary Source Desc: Groundwater
PWS Activity Code: I
PWS Activity Description: Inactive
PWS Deactivation Date: 01/11/1993
Phone Number:

--Details--

Population Served Count: 25
City Served: NC CHARLTON WEL
County Served:
State Served: CA
Zip Code Served:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	PWSV

Address Line 2: 150 S. LOS ROBLES AVE
State Code: CA
Zip Code: 91101
City Name: PASADENA
Address Line 1:
PWS ID: CA1910429
PWS Type Code: TNCWS
PWS Type Description: Transient Non-Community Water System
Primary Source Code: GW
Primary Source Desc: Groundwater
PWS Activity Code: I
PWS Activity Description: Inactive
PWS Deactivation Date: 01/11/1993
Phone Number:

--Details--

Population Served Count: 25
City Served: NC CIENAGA CG
County Served:
State Served: CA
Zip Code Served:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	PWSV

Address Line 2: 150 S. LOS ROBLES AVE
State Code: CA
Zip Code: 91101
City Name: PASADENA
Address Line 1:

Wells and Additional Sources Detail Report

PWS ID: CA1910416
PWS Type Code: TNCWS
PWS Type Description: Transient Non-Community Water System
Primary Source Code: GW
Primary Source Desc: Groundwater
PWS Activity Code: I
PWS Activity Description: Inactive
PWS Deactivation Date: 01/11/1993
Phone Number:

--Details--

Population Served Count: 25
City Served: NC MANKER SPRIN
County Served:
State Served: CA
Zip Code Served:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	PWSV

Address Line 2: 150 S. LOS ROBLES AVE
State Code: CA
Zip Code: 91101
City Name: PASADENA
Address Line 1:
PWS ID: CA1910424
PWS Type Code: TNCWS
PWS Type Description: Transient Non-Community Water System
Primary Source Code: GW
Primary Source Desc: Groundwater
PWS Activity Code: I
PWS Activity Description: Inactive
PWS Deactivation Date: 01/11/1993
Phone Number:

--Details--

Population Served Count: 25
City Served: NC BIG OAK CG
County Served:
State Served: CA
Zip Code Served:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	PWSV

Address Line 2: 150 S. LOS ROBLES AVE

Wells and Additional Sources Detail Report

State Code: CA
Zip Code: 91101
City Name: PASADENA
Address Line 1:
PWS ID: CA1910434
PWS Type Code: TNCWS
PWS Type Description: Transient Non-Community Water System
Primary Source Code: GW
Primary Source Desc: Groundwater
PWS Activity Code: I
PWS Activity Description: Inactive
PWS Deactivation Date: 01/11/1993
Phone Number:

--Details--

Population Served Count: 25
City Served: NC WARMSPRINGS
County Served:
State Served: CA
Zip Code Served:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	PWSV

Address Line 2: 150 S. LOS ROBLES AVE
State Code: CA
Zip Code: 91101
City Name: PASADENA
Address Line 1:
PWS ID: CA1910441
PWS Type Code: TNCWS
PWS Type Description: Transient Non-Community Water System
Primary Source Code: GW
Primary Source Desc: Groundwater
PWS Activity Code: I
PWS Activity Description: Inactive
PWS Deactivation Date: 01/11/1993
Phone Number:

--Details--

Population Served Count: 25
City Served: NC COLUMBINE SP
County Served:
State Served: CA
Zip Code Served:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
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Wells and Additional Sources Detail Report

2	NE	0.48	2,539.22	830.34	PWSV
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Address Line 2: 150 S. LOS ROBLES AVE
State Code: CA
Zip Code: 91101
City Name: PASADENA
Address Line 1:
PWS ID: CA1910407
PWS Type Code: TNCWS
PWS Type Description: Transient Non-Community Water System
Primary Source Code: SW
Primary Source Desc: Surface Water
PWS Activity Code: I
PWS Activity Description: Inactive
PWS Deactivation Date: 01/11/1993
Phone Number:

--Details--

Population Served Count: 25
City Served: NC VALLEY FORGE
County Served:
State Served: CA
Zip Code Served:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	PWSV

Address Line 2: 150 S. LOS ROBLES AVE
State Code: CA
Zip Code: 91101
City Name: PASADENA
Address Line 1:
PWS ID: CA1910413
PWS Type Code: TNCWS
PWS Type Description: Transient Non-Community Water System
Primary Source Code: SW
Primary Source Desc: Surface Water
PWS Activity Code: I
PWS Activity Description: Inactive
PWS Deactivation Date: 01/11/1993
Phone Number:

--Details--

Population Served Count: 25
City Served: NC CLEWAGA WELL

Wells and Additional Sources Detail Report

County Served:

State Served: CA

Zip Code Served:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	PWSV

Address Line 2: 150 S. LOS ROBLES AVE

State Code: CA

Zip Code: 91101

City Name: PASADENA

Address Line 1:

PWS ID: CA1910431

PWS Type Code: TNCWS

PWS Type Description: Transient Non-Community Water System

Primary Source Code: GW

Primary Source Desc: Groundwater

PWS Activity Code: I

PWS Activity Description: Inactive

PWS Deactivation Date: 01/11/1993

Phone Number:

--Details--

Population Served Count: 25

City Served: NC UPPER SHAKE

County Served:

State Served: CA

Zip Code Served:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	PWSV

Address Line 2: 150 S. LOS ROBLES AVE

State Code: CA

Zip Code: 91101

City Name: PASADENA

Address Line 1:

PWS ID: CA1910425

PWS Type Code: TNCWS

PWS Type Description: Transient Non-Community Water System

Primary Source Code: GW

Primary Source Desc: Groundwater

PWS Activity Code: I

PWS Activity Description: Inactive

PWS Deactivation Date: 01/11/1993

Phone Number:

Wells and Additional Sources Detail Report

--Details--

Population Served Count: 25
City Served: NC SOUTH PORTAL
County Served:
State Served: CA
Zip Code Served:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	PWSV

Address Line 2: 150 S. LOS ROBLES AVE
State Code: CA
Zip Code: 91101
City Name: PASADENA
Address Line 1:
PWS ID: CA1910423
PWS Type Code: TNCWS
PWS Type Description: Transient Non-Community Water System
Primary Source Code: GW
Primary Source Desc: Groundwater
PWS Activity Code: I
PWS Activity Description: Inactive
PWS Deactivation Date: 01/11/1993
Phone Number:

--Details--

Population Served Count: 25
City Served: NC STREAMSIDE C
County Served:
State Served: CA
Zip Code Served:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	PWSV

Address Line 2: 150 S. LOS ROBLES AVE
State Code: CA
Zip Code: 91101
City Name: PASADENA
Address Line 1:
PWS ID: CA1910408
PWS Type Code: TNCWS
PWS Type Description: Transient Non-Community Water System
Primary Source Code: GW
Primary Source Desc: Groundwater

Wells and Additional Sources Detail Report

PWS Activity Code: I
PWS Activity Description: Inactive
PWS Deactivation Date: 01/11/1993
Phone Number:

--Details--

Population Served Count: 25
City Served: NC HORSE FLATS
County Served:
State Served: CA
Zip Code Served:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	PWSV

Address Line 2: 150 S. LOS ROBLES AVE
State Code: CA
Zip Code: 91101
City Name: PASADENA
Address Line 1:
PWS ID: CA1910405
PWS Type Code: TNCWS
PWS Type Description: Transient Non-Community Water System
Primary Source Code: GW
Primary Source Desc: Groundwater
PWS Activity Code: I
PWS Activity Description: Inactive
PWS Deactivation Date: 01/11/1993
Phone Number:

--Details--

Population Served Count: 25
City Served: NC MT LOWE SPRI
County Served:
State Served: CA
Zip Code Served:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	PWSV

Address Line 2: 150 S. LOS ROBLES AVE
State Code: CA
Zip Code: 91101
City Name: PASADENA
Address Line 1:
PWS ID: CA1910403

Wells and Additional Sources Detail Report

PWS Type Code: TNCWS
PWS Type Description: Transient Non-Community Water System
Primary Source Code: GW
Primary Source Desc: Groundwater
PWS Activity Code: I
PWS Activity Description: Inactive
PWS Deactivation Date: 01/11/1993
Phone Number:

--Details--

Population Served Count: 25
City Served: NC TEXAS CYN ST
County Served:
State Served: CA
Zip Code Served:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	PWSV

Address Line 2: 150 S. LOS ROBLES AVE
State Code: CA
Zip Code: 91101
City Name: PASADENA
Address Line 1:
PWS ID: CA1910438
PWS Type Code: TNCWS
PWS Type Description: Transient Non-Community Water System
Primary Source Code: GW
Primary Source Desc: Groundwater
PWS Activity Code: I
PWS Activity Description: Inactive
PWS Deactivation Date: 01/11/1993
Phone Number:

--Details--

Population Served Count: 25
City Served: NC WINSTON SPR
County Served:
State Served: CA
Zip Code Served:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	PWSV

Address Line 2: 150 S. LOS ROBLES AVE
State Code: CA

Wells and Additional Sources Detail Report

Zip Code: 91101
City Name: PASADENA
Address Line 1:
PWS ID: CA1910409
PWS Type Code: TNCWS
PWS Type Description: Transient Non-Community Water System
Primary Source Code: GW
Primary Source Desc: Groundwater
PWS Activity Code: I
PWS Activity Description: Inactive
PWS Deactivation Date: 01/11/1993
Phone Number:

--Details--

Population Served Count: 25
City Served: NC SULFUR SPRS
County Served:
State Served: CA
Zip Code Served:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	PWSV

Address Line 2: 150 S. LOS ROBLES AVE
State Code: CA
Zip Code: 91101
City Name: PASADENA
Address Line 1:
PWS ID: CA1910445
PWS Type Code: TNCWS
PWS Type Description: Transient Non-Community Water System
Primary Source Code: GW
Primary Source Desc: Groundwater
PWS Activity Code: I
PWS Activity Description: Inactive
PWS Deactivation Date: 01/11/1993
Phone Number:

--Details--

Population Served Count: 25
City Served: NC BIGHORN CG
County Served:
State Served: CA
Zip Code Served:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
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Wells and Additional Sources Detail Report

2	NE	0.48	2,539.22	830.34	PWSV
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Address Line 2: 150 S. LOS ROBLES AVE
State Code: CA
Zip Code: 91101
City Name: PASADENA
Address Line 1:
PWS ID: CA1910400
PWS Type Code: TNCWS
PWS Type Description: Transient Non-Community Water System
Primary Source Code: GW
Primary Source Desc: Groundwater
PWS Activity Code: I
PWS Activity Description: Inactive
PWS Deactivation Date: 01/11/1993
Phone Number:

--Details--

Population Served Count: 25
City Served: NC RED BOX SPRS
County Served:
State Served: CA
Zip Code Served:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	PWSV

Address Line 2: 150 S. LOS ROBLES AVE
State Code: CA
Zip Code: 91101
City Name: PASADENA
Address Line 1:
PWS ID: CA1910450
PWS Type Code: TNCWS
PWS Type Description: Transient Non-Community Water System
Primary Source Code: GW
Primary Source Desc: Groundwater
PWS Activity Code: I
PWS Activity Description: Inactive
PWS Deactivation Date: 01/11/1993
Phone Number:

--Details--

Population Served Count: 25
City Served: NC MONTE CRISTO
County Served:

Wells and Additional Sources Detail Report

State Served: CA
Zip Code Served:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	PWSV

Address Line 2: 150 S. LOS ROBLES AVE
State Code: CA
Zip Code: 91101
City Name: PASADENA
Address Line 1:
PWS ID: CA1910430
PWS Type Code: TNCWS
PWS Type Description: Transient Non-Community Water System
Primary Source Code: GW
Primary Source Desc: Groundwater
PWS Activity Code: I
PWS Activity Description: Inactive
PWS Deactivation Date: 01/11/1993
Phone Number:

--Details--

Population Served Count: 25
City Served: NC ATMORE CG
County Served:
State Served: CA
Zip Code Served:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	PWSV

Address Line 2: 150 S LOS ROBLES AVE
State Code: CA
Zip Code: 91101
City Name: PASADENA
Address Line 1:
PWS ID: CA1910452
PWS Type Code: TNCWS
PWS Type Description: Transient Non-Community Water System
Primary Source Code: GW
Primary Source Desc: Groundwater
PWS Activity Code: I
PWS Activity Description: Inactive
PWS Deactivation Date: 01/11/1993
Phone Number:

Wells and Additional Sources Detail Report

--Details--

Population Served Count: 25

City Served:

County Served:

State Served: CA

Zip Code Served:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	PWSV

Address Line 2: 150 S. LOS ROBLES AVE

State Code: CA

Zip Code: 91101

City Name: PASADENA

Address Line 1:

PWS ID: CA1910427

PWS Type Code: TNCWS

PWS Type Description: Transient Non-Community Water System

Primary Source Code: GW

Primary Source Desc: Groundwater

PWS Activity Code: I

PWS Activity Description: Inactive

PWS Deactivation Date: 01/11/1993

Phone Number:

--Details--

Population Served Count: 25

City Served: NC COTTONWOOD C

County Served:

State Served: CA

Zip Code Served:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	PWSV

Address Line 2: 150 S. LOS ROBLES AVE

State Code: CA

Zip Code: 91101

City Name: PASADENA

Address Line 1:

PWS ID: CA1910406

PWS Type Code: TNCWS

PWS Type Description: Transient Non-Community Water System

Primary Source Code: GW

Primary Source Desc: Groundwater

PWS Activity Code: I

Wells and Additional Sources Detail Report

PWS Activity Description: Inactive
PWS Deactivation Date: 01/11/1993
Phone Number:

--Details--

Population Served Count: 25
City Served: NC SWITZER PG
County Served:
State Served: CA
Zip Code Served:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	PWSV

Address Line 2: 150 S. LOS ROBLES AVE
State Code: CA
Zip Code: 91101
City Name: PASADENA
Address Line 1:
PWS ID: CA1910432
PWS Type Code: TNCWS
PWS Type Description: Transient Non-Community Water System
Primary Source Code: GW
Primary Source Desc: Groundwater
PWS Activity Code: I
PWS Activity Description: Inactive
PWS Deactivation Date: 01/11/1993
Phone Number:

--Details--

Population Served Count: 25
City Served: NC OAK FLAT STA
County Served:
State Served: CA
Zip Code Served:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	PWSV

Address Line 2: 150 S. LOS ROBLES AVE
State Code: CA
Zip Code: 91101
City Name: PASADENA
Address Line 1:
PWS ID: CA1910419
PWS Type Code: TNCWS

Wells and Additional Sources Detail Report

PWS Type Description: Transient Non-Community Water System
Primary Source Code: GW
Primary Source Desc: Groundwater
PWS Activity Code: I
PWS Activity Description: Inactive
PWS Deactivation Date: 01/11/1993
Phone Number:

--Details--

Population Served Count: 25
City Served: NC HOCAMAC SPR
County Served:
State Served: CA
Zip Code Served:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	PWSV

Address Line 2: 150 S. LOS ROBLES AVE
State Code: CA
Zip Code: 91101
City Name: PASADENA
Address Line 1:
PWS ID: CA1910453
PWS Type Code: CWS
PWS Type Description: Community Water System
Primary Source Code: GW
Primary Source Desc: Groundwater
PWS Activity Code: I
PWS Activity Description: Inactive
PWS Deactivation Date: 01/11/1993
Phone Number:

--Details--

Population Served Count: 25
City Served: COMM RANGER STA
County Served:
State Served: CA
Zip Code Served:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	PWSV

Address Line 2: 150 S. LOS ROBLES AVE
State Code: CA
Zip Code: 91101

Wells and Additional Sources Detail Report

City Name: PASADENA
Address Line 1:
PWS ID: CA1910415
PWS Type Code: TNCWS
PWS Type Description: Transient Non-Community Water System
Primary Source Code: GW
Primary Source Desc: Groundwater
PWS Activity Code: I
PWS Activity Description: Inactive
PWS Deactivation Date: 01/11/1993
Phone Number:

--Details--

Population Served Count: 25
City Served: NC YUCCA FLATS
County Served:
State Served: CA
Zip Code Served:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	PWSV

Address Line 2: 150 S. LOS ROBLES AVE
State Code: CA
Zip Code: 91101
City Name: PASADENA
Address Line 1:
PWS ID: CA1910448
PWS Type Code: TNCWS
PWS Type Description: Transient Non-Community Water System
Primary Source Code: SW
Primary Source Desc: Surface Water
PWS Activity Code: I
PWS Activity Description: Inactive
PWS Deactivation Date: 01/11/1993
Phone Number:

--Details--

Population Served Count: 25
City Served: NC JACKSON LAKE
County Served:
State Served: CA
Zip Code Served:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	PWSV

Wells and Additional Sources Detail Report

Address Line 2: 150 S. LOS ROBLES AVE
State Code: CA
Zip Code: 91101
City Name: PASADENA
Address Line 1:
PWS ID: CA1910439
PWS Type Code: TNCWS
PWS Type Description: Transient Non-Community Water System
Primary Source Code: SW
Primary Source Desc: Surface Water
PWS Activity Code: I
PWS Activity Description: Inactive
PWS Deactivation Date: 01/11/1993
Phone Number:

--Details--

Population Served Count: 25
City Served: NC LITTL ROCK R
County Served:
State Served: CA
Zip Code Served:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
4	NE	0.64	3,404.07	845.57	PWSV

Address Line 2:
State Code: CA
Zip Code: 91109
City Name: PASADENA
Address Line 1: 472 E COLORADO BLVD BOX 6006
PWS ID: CA3701217
PWS Type Code: TNCWS
PWS Type Description: Transient Non-Community Water System
Primary Source Code: GW
Primary Source Desc: Groundwater
PWS Activity Code: A
PWS Activity Description: Active
PWS Deactivation Date:
Phone Number: 213-765-0424

--Details--

Population Served Count: 70
City Served:
County Served: San Diego
State Served: CA

Wells and Additional Sources Detail Report

Zip Code Served:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
5	NE	0.67	3,543.35	843.22	PWSV

Address Line 2:

State Code: CA
Zip Code: 91101
City Name: PASADENA
Address Line 1: 500 E COLORADAO BLVD
PWS ID: CA3600532
PWS Type Code: TNCWS
PWS Type Description: Transient Non-Community Water System
Primary Source Code: GW
Primary Source Desc: Groundwater
PWS Activity Code: A
PWS Activity Description: Active
PWS Deactivation Date:
Phone Number: 909-866-2268

--Details--

Population Served Count: 150
City Served:
County Served: San Bernardino
State Served: CA
Zip Code Served:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
6	NE	0.85	4,467.92	813.59	PWSV

Address Line 2: 747 E GREEN ST 207
State Code: CA
Zip Code: 91101
City Name: PASADENA
Address Line 1:
PWS ID: CA5400614
PWS Type Code: CWS
PWS Type Description: Community Water System
Primary Source Code: GW
Primary Source Desc: Groundwater
PWS Activity Code: I
PWS Activity Description: Inactive
PWS Deactivation Date: 01/12/1995
Phone Number:

--Details--

Wells and Additional Sources Detail Report

Population Served Count: 85
City Served:
County Served:
State Served: CA
Zip Code Served:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
6	NE	0.85	4,467.92	813.59	PWSV

Address Line 2: 747 EAST GREEN STREET
State Code: CA
Zip Code: 91101
City Name: PASADENA
Address Line 1:
PWS ID: GA0510043
PWS Type Code: CWS
PWS Type Description: Community Water System
Primary Source Code: GW
Primary Source Desc: Groundwater
PWS Activity Code: I
PWS Activity Description: Inactive
PWS Deactivation Date: 01/06/1988
Phone Number: 904-261-0821

--Details--

Population Served Count: 400
City Served: SAVANNAH GEORGI
County Served:
State Served: GA
Zip Code Served:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
7	ENE	0.97	5,133.70	807.39	PWSV

Address Line 2:
State Code: CA
Zip Code: 91101
City Name: PASADENA
Address Line 1: 80 S LAKE AVENUE STE 719
PWS ID: CA3400190
PWS Type Code: CWS
PWS Type Description: Community Water System
Primary Source Code: GW
Primary Source Desc: Groundwater
PWS Activity Code: A
PWS Activity Description: Active

Wells and Additional Sources Detail Report

PWS Deactivation Date:

Phone Number: 916-344-4915

--Details--

Population Served Count: 200

City Served:

County Served: Sacramento

State Served: CA

Zip Code Served:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
7	ENE	0.97	5,133.70	807.39	PWSV

Address Line 2:

State Code: CA

Zip Code: 91101

City Name: PASADENA

Address Line 1: 80 SOUTH LAKE AVE, SUITE 719

PWS ID: GA0590003

PWS Type Code: CWS

PWS Type Description: Community Water System

Primary Source Code: SWP

Primary Source Desc: Purchased Surface Water

PWS Activity Code: A

PWS Activity Description: Active

PWS Deactivation Date:

Phone Number: 818-795-7755

--Details--

Population Served Count: 359

City Served:

County Served: Clarke

State Served: GA

Zip Code Served:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
7	ENE	0.97	5,133.70	807.39	PWSV

Address Line 2:

State Code: CA

Zip Code: 91101-2638

City Name: PASADENA

Address Line 1: 80 S LAKE AVE STE 719

PWS ID: TX1810103

PWS Type Code: CWS

PWS Type Description: Community Water System

Wells and Additional Sources Detail Report

Primary Source Code: GW
Primary Source Desc: Groundwater
PWS Activity Code: A
PWS Activity Description: Active
PWS Deactivation Date:
Phone Number: 626-795-7755

--Details--

Population Served Count: 204
City Served:
County Served: Orange
State Served: TX
Zip Code Served:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
7	ENE	0.97	5,133.70	807.39	PWSV

Address Line 2: 80 S LAKE AVE STE 719
State Code: CA
Zip Code: 911010000
City Name: PASEDNA
Address Line 1:
PWS ID: MO3048005
PWS Type Code: CWS
PWS Type Description: Community Water System
Primary Source Code: GWP
Primary Source Desc: Purchased groundwater
PWS Activity Code: I
PWS Activity Description: Inactive
PWS Deactivation Date: 04/10/2005
Phone Number: 818-795-7755

--Details--

Population Served Count: 210
City Served: COLUMBIA
County Served:
State Served: MO
Zip Code Served:

Safe Drinking Water Information System (SDWIS)

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
1	S	0.14	755.35	778.24	SDWIS

PWS ID:	CA2210922	Pop Cat 11:	<=100
Facility ID:	28918	Pop Cat 11 Cd:	1
Facility Name:	LOWER SPRING - INACTIVE 2004	Pop Cat 2:	<10,000

Wells and Additional Sources Detail Report

EPA Region Code:	09	Pop Cat 2 Cd:	1
EPA Region:	Region 9	Pop Cat 3:	<=3300
Season Begin Date:	01-01	Pop Cat 3 Cd:	1
Season End Date:	12-31	Pop Cat 4:	<10K
Deactivation Date:	-	Pop Cat 4 Cd:	1
Fac Deactivtn Dt:	01-JUL-95	Pop Cat 5:	<=500
First Rptd Dt:	06-JAN-94	Pop Cat 5 Cd:	1
Last Rptd Date:	01-APR-16	ORG Name:	GIUNTINI, DAVID
Primacy Agency:	California	Admin Name:	GIUNTINI, DAVID
Is Source Ind:	Yes	Phone No:	626-577-1130
Facility Type Cd:	SP	Phone Ext No:	-
Facility Type Desc:	Spring	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	-
Activity Status:	Active	Email Addr:	davidg@pacificusreg.com
Availability Code:	O	Avlblty Desc:	Other
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	I	Fac Activity:	Inactive
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	GW	GW or SS:	Groundwater
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	P	Owner Type:	Private
PWS Type Code:	TNCWS	PWS Type:	Transient non-community system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	GW	Primary Srce:	Ground water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	25
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	25
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Slr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	001
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qtr:	2016Q1		

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-
Treatment Objective Code:	-
Treatment Objective:	-
Treatment Plant City:	-

Wells and Additional Sources Detail Report

Treatment Plant State: -
 Treatment Plant Addr 1: -
 Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
1	S	0.14	755.35	778.24	SDWIS

PWS ID:	CA2210922	Pop Cat 11:	<=100
Facility ID:	CA2210922004	Pop Cat 11 Cd:	1
Facility Name:	COMBINED UPPER & LOWER SPRINGS-INACTIVE	Pop Cat 2:	<10,000
EPA Region Code:	09	Pop Cat 2 Cd:	1
EPA Region:	Region 9	Pop Cat 3:	<=3300
Season Begin Date:	01-01	Pop Cat 3 Cd:	1
Season End Date:	12-31	Pop Cat 4:	<10K
Deactivation Date:	-	Pop Cat 4 Cd:	1
Fac Deactivtn Dt:	01-JAN-01	Pop Cat 5:	<=500
First Rptd Dt:	06-JAN-94	Pop Cat 5 Cd:	1
Last Rptd Date:	01-APR-16	ORG Name:	GIUNTINI, DAVID
Primacy Agency:	California	Admin Name:	GIUNTINI, DAVID
Is Source Ind:	Yes	Phone No:	626-577-1130
Facility Type Cd:	WL	Phone Ext No:	-
Facility Type Desc:	Well	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	-
Activity Status:	Active	Email Addr:	davidg@pacificusreg.com
Availability Code:	O	Avlblty Desc:	Other
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	I	Fac Activity:	Inactive
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	GW	GW or SS:	Groundwater
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	P	Owner Type:	Private
PWS Type Code:	TNCWS	PWS Type:	Transient non-community system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	GW	Primary Srce:	Ground water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	25
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	25
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Slr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-

Wells and Additional Sources Detail Report

Src Wtr Prot Dt: -	State Code: CA
NPM Candidate: Yes	State Fac ID: -
Is Wholesaler: No	Sub Quarter: 1
Submission Year: 2016	Validity Ind: Yes
Submission Yr Qtr: 2016Q1	

--Details--

Treatment ID: -

Treatment Process Code: -

Treatment Process: -

Treatment Objective Code: -

Treatment Objective: -

Treatment Plant City: -

Treatment Plant State: -

Treatment Plant Addr 1: -

Treatment Plant Addr 2: -

Treatment Plant Zip Code: -

Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
1	S	0.14	755.35	778.24	SDWIS

PWS ID: CA2210922	Pop Cat 11: <=100
Facility ID: 28916	Pop Cat 11 Cd: 1
Facility Name: COMBINED UPPER & LOWER SPRINGS-INACTIVE	Pop Cat 2: <10,000
EPA Region Code: 09	Pop Cat 2 Cd: 1
EPA Region: Region 9	Pop Cat 3: <=3300
Season Begin Date: 01-01	Pop Cat 3 Cd: 1
Season End Date: 12-31	Pop Cat 4: <10K
Deactivation Date: -	Pop Cat 4 Cd: 1
Fac Deactvtn Dt: 01-JUL-95	Pop Cat 5: <=500
First Rptd Dt: 06-JAN-94	Pop Cat 5 Cd: 1
Last Rptd Date: 01-APR-16	ORG Name: GIUNTINI, DAVID
Primacy Agency: California	Admin Name: GIUNTINI, DAVID
Is Source Ind: Yes	Phone No: 626-577-1130
Facility Type Cd: SP	Phone Ext No: -
Facility Type Desc: Spring	Alt Phone No: -
Activity Status Cd: A	Fax No: -
Activity Status: Active	Email Addr: davidg@pacificusreg.com
Availability Code: O	Avlblty Desc: Other
Water Type Code: GW	Wtr Tp Desc: Ground water
DBPR Schd Ctg Cd: -	DBPR Schd Ctg: -
Facility Activity Cd: I	Fac Activity: Inactive
Filtrtn Status Cd: -	Filt Stat Desc: -
GW or SW Code: GW	GW or SS: Groundwater
LT2 Sch Ctgry Cd: -	LT2 Sched Ctg: -

Wells and Additional Sources Detail Report

Owner Type Code: P	Owner Type: Private
PWS Type Code: TNCWS	PWS Type: Transient non-community system
Primcy Agency Cd: CA	Primacy Type: State
Primary Source Cd: GW	Primary Srce: Ground water
Seller Treatmnt Cd: -	Seller Trt Dsc: -
Submsn Status Cd: Y	Sub Stat Dsc: Reported and accepted
Subms Sts Cd Vio: Y	Pop Srvd Cnt: 25
Is Grant Eligible: Yes	Srv Cnctn Cnt: 25
Outstndng Perfrm: -	Seller PWSID: -
Outstndng Perf Dt: -	Sllr PWS Nm: -
Schl or Dycare: No	CDS ID: -
Source Treated Ind: -	Country Code: US
Src Wtr Protected: -	Cntry Nm BTP: -
Src Wtr Prot Dt: -	State Code: CA
NPM Candidate: Yes	State Fac ID: 004
Is Wholesaler: No	Sub Quarter: 1
Submission Year: 2016	Validity Ind: Yes
Submission Yr Qtr: 2016Q1	

--Details--

Treatment ID: -

Treatment Process Code: -

Treatment Process: -

Treatment Objective Code: -

Treatment Objective: -

Treatment Plant City: -

Treatment Plant State: -

Treatment Plant Addr 1: -

Treatment Plant Addr 2: -

Treatment Plant Zip Code: -

Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
1	S	0.14	755.35	778.24	SDWIS

PWS ID: CA2210922	Pop Cat 11: <=100
Facility ID: 5949	Pop Cat 11 Cd: 1
Facility Name: COMBINED SPRINGS - CHLORINATED	Pop Cat 2: <10,000
EPA Region Code: 09	Pop Cat 2 Cd: 1
EPA Region: Region 9	Pop Cat 3: <=3300
Season Begin Date: 01-01	Pop Cat 3 Cd: 1
Season End Date: 12-31	Pop Cat 4: <10K
Deactivation Date: -	Pop Cat 4 Cd: 1
Fac Deactvtn Dt: -	Pop Cat 5: <=500
First Rptd Dt: 06-JAN-94	Pop Cat 5 Cd: 1
Last Rptd Date: 01-APR-16	ORG Name: GIUNTINI, DAVID

Wells and Additional Sources Detail Report

Primacy Agency:	California	Admin Name:	GIUNTINI, DAVID
Is Source Ind:	No	Phone No:	626-577-1130
Facility Type Cd:	TP	Phone Ext No:	-
Facility Type Desc:	Treatment Plant	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	-
Activity Status:	Active	Email Addr:	davidg@pacificusreg.com
Availability Code:	-	Avlblty Desc:	-
Water Type Code:	-	Wtr Tp Desc:	-
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	GW	GW or SS:	Groundwater
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	P	Owner Type:	Private
PWS Type Code:	TNCWS	PWS Type:	Transient non-community system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	GW	Primary Srce:	Ground water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	25
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	25
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Slr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	005
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	No
Submission Yr Qtr:	2016Q1		

--Details--

Treatment ID:	5588
Treatment Process Code:	421
Treatment Process:	Hypochlorination, Post
Treatment Objective Code:	D
Treatment Objective:	Disinfection
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	HYPOCHLORINATION, POST

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
1	S	0.14	755.35	778.24	SDWIS

Wells and Additional Sources Detail Report

PWS ID:	CA2210922	Pop Cat 11:	<=100
Facility ID:	17505	Pop Cat 11 Cd:	1
Facility Name:	WELL 04	Pop Cat 2:	<10,000
EPA Region Code:	09	Pop Cat 2 Cd:	1
EPA Region:	Region 9	Pop Cat 3:	<=3300
Season Begin Date:	01-01	Pop Cat 3 Cd:	1
Season End Date:	12-31	Pop Cat 4:	<10K
Deactivation Date:	-	Pop Cat 4 Cd:	1
Fac Deactvtn Dt:	-	Pop Cat 5:	<=500
First Rptd Dt:	06-JAN-94	Pop Cat 5 Cd:	1
Last Rptd Date:	01-APR-16	ORG Name:	GIUNTINI, DAVID
Primacy Agency:	California	Admin Name:	GIUNTINI, DAVID
Is Source Ind:	Yes	Phone No:	626-577-1130
Facility Type Cd:	WL	Phone Ext No:	-
Facility Type Desc:	Well	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	-
Activity Status:	Active	Email Addr:	davidg@pacificusreg.com
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	GW	GW or SS:	Groundwater
LT2 Sch Ctgy Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	P	Owner Type:	Private
PWS Type Code:	TNCWS	PWS Type:	Transient non-community system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	GW	Primary Srce:	Ground water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	25
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	25
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Sllr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	Y	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	003
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qtr:	2016Q1		

--Details--

Treatment ID: -
Treatment Process Code: -

Wells and Additional Sources Detail Report

Treatment Process: -
 Treatment Objective Code: -
 Treatment Objective: -
 Treatment Plant City: -
 Treatment Plant State: -
 Treatment Plant Addr 1: -
 Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
1	S	0.14	755.35	778.24	SDWIS

PWS ID:	CA2210922	Pop Cat 11:	<=100
Facility ID:	28919	Pop Cat 11 Cd:	1
Facility Name:	UPPER SPRING	Pop Cat 2:	<10,000
EPA Region Code:	09	Pop Cat 2 Cd:	1
EPA Region:	Region 9	Pop Cat 3:	<=3300
Season Begin Date:	01-01	Pop Cat 3 Cd:	1
Season End Date:	12-31	Pop Cat 4:	<10K
Deactivation Date:	-	Pop Cat 4 Cd:	1
Fac Deactvtn Dt:	-	Pop Cat 5:	<=500
First Rptd Dt:	06-JAN-94	Pop Cat 5 Cd:	1
Last Rptd Date:	01-APR-16	ORG Name:	GIUNTINI, DAVID
Primacy Agency:	California	Admin Name:	GIUNTINI, DAVID
Is Source Ind:	Yes	Phone No:	626-577-1130
Facility Type Cd:	SP	Phone Ext No:	-
Facility Type Desc:	Spring	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	-
Activity Status:	Active	Email Addr:	davidg@pacificusreg.com
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	GW	GW or SS:	Groundwater
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	P	Owner Type:	Private
PWS Type Code:	TNCWS	PWS Type:	Transient non-community system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	GW	Primary Srce:	Ground water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	25
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	25
Outstndng Perfrm:	-	Seller PWSID:	-

Wells and Additional Sources Detail Report

Outstndng Perf Dt:	-	Sllr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	Y	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	002
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qtr:	2016Q1		

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-
Treatment Objective Code:	-
Treatment Objective:	-
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
1	S	0.14	755.35	778.24	SDWIS

PWS ID:	CA2210922	Pop Cat 11:	<=100
Facility ID:	CA2210922001	Pop Cat 11 Cd:	1
Facility Name:	LOWER SPRING - INACTIVE 2004	Pop Cat 2:	<10,000
EPA Region Code:	09	Pop Cat 2 Cd:	1
EPA Region:	Region 9	Pop Cat 3:	<=3300
Season Begin Date:	01-01	Pop Cat 3 Cd:	1
Season End Date:	12-31	Pop Cat 4:	<10K
Deactivation Date:	-	Pop Cat 4 Cd:	1
Fac Deactvtn Dt:	01-JAN-01	Pop Cat 5:	<=500
First Rptd Dt:	06-JAN-94	Pop Cat 5 Cd:	1
Last Rptd Date:	01-APR-16	ORG Name:	GIUNTINI, DAVID
Primacy Agency:	California	Admin Name:	GIUNTINI, DAVID
Is Source Ind:	Yes	Phone No:	626-577-1130
Facility Type Cd:	WL	Phone Ext No:	-
Facility Type Desc:	Well	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	-
Activity Status:	Active	Email Addr:	davidg@pacificusreg.com
Availability Code:	O	Avlblty Desc:	Other
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-

Wells and Additional Sources Detail Report

Facility Activity Cd: I	Fac Activity: Inactive
Filtrtn Status Cd: -	Filt Stat Desc: -
GW or SW Code: GW	GW or SS: Groundwater
LT2 Sch Ctgr Cd: -	LT2 Sched Ctg: -
Owner Type Code: P	Owner Type: Private
PWS Type Code: TNCWS	PWS Type: Transient non-community system
Primcy Agency Cd: CA	Primacy Type: State
Primary Source Cd: GW	Primary Srce: Ground water
Seller Treatmnt Cd: -	Seller Trt Dsc: -
Submsn Status Cd: Y	Sub Stat Dsc: Reported and accepted
Subms Sts Cd Vio: Y	Pop Srvd Cnt: 25
Is Grant Eligible: Yes	Srv Cnctn Cnt: 25
Outstndng Perfrm: -	Seller PWSID: -
Outstndng Perf Dt: -	Sllr PWS Nm: -
Schl or Dycare: No	CDS ID: -
Source Treated Ind: -	Country Code: US
Src Wtr Protected: -	Cntry Nm BTP: -
Src Wtr Prot Dt: -	State Code: CA
NPM Candidate: Yes	State Fac ID: -
Is Wholesaler: No	Sub Quarter: 1
Submission Year: 2016	Validity Ind: Yes
Submission Yr Qtr: 2016Q1	

--Details--

Treatment ID: -

Treatment Process Code: -

Treatment Process: -

Treatment Objective Code: -

Treatment Objective: -

Treatment Plant City: -

Treatment Plant State: -

Treatment Plant Addr 1: -

Treatment Plant Addr 2: -

Treatment Plant Zip Code: -

Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
1	S	0.14	755.35	778.24	SDWIS

PWS ID: CA2210922	Pop Cat 11: <=100
Facility ID: 28917	Pop Cat 11 Cd: 1
Facility Name: DISTRIBUTION SYSTEM	Pop Cat 2: <10,000
EPA Region Code: 09	Pop Cat 2 Cd: 1
EPA Region: Region 9	Pop Cat 3: <=3300
Season Begin Date: 01-01	Pop Cat 3 Cd: 1
Season End Date: 12-31	Pop Cat 4: <10K

Wells and Additional Sources Detail Report

Deactivation Date:	-	Pop Cat 4 Cd:	1
Fac Deactvtn Dt:	-	Pop Cat 5:	<=500
First Rptd Dt:	06-JAN-94	Pop Cat 5 Cd:	1
Last Rptd Date:	01-APR-16	ORG Name:	GIUNTINI, DAVID
Primacy Agency:	California	Admin Name:	GIUNTINI, DAVID
Is Source Ind:	No	Phone No:	626-577-1130
Facility Type Cd:	DS	Phone Ext No:	-
Facility Type Desc:	Distribution System/Zone	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	-
Activity Status:	Active	Email Addr:	davidg@pacificusreg.com
Availability Code:	-	Avlblty Desc:	-
Water Type Code:	-	Wtr Tp Desc:	-
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	GW	GW or SS:	Groundwater
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	P	Owner Type:	Private
PWS Type Code:	TNCWS	PWS Type:	Transient non-community system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	GW	Primary Srce:	Ground water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	25
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	25
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Sllr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	DST
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qtr:	2016Q1		

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-
Treatment Objective Code:	-
Treatment Objective:	-
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-

Wells and Additional Sources Detail Report

Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910401	Pop Cat 11:	<=100
Facility ID:	1	Pop Cat 11 Cd:	1
Facility Name:	STREAM	Pop Cat 2:	<10,000
EPA Region Code:	09	Pop Cat 2 Cd:	1
EPA Region:	Region 9	Pop Cat 3:	<=3300
Season Begin Date:	01-01	Pop Cat 3 Cd:	1
Season End Date:	12-31	Pop Cat 4:	<10K
Deactivation Date:	01-NOV-93	Pop Cat 4 Cd:	1
Fac Deactvtn Dt:	01-NOV-93	Pop Cat 5:	<=500
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	1
Last Rptd Date:	24-JUL-95	ORG Name:	-
Primacy Agency:	California	Admin Name:	USFS ANGELES NF
Is Source Ind:	Yes	Phone No:	-
Facility Type Cd:	IN	Phone Ext No:	-
Facility Type Desc:	Intake	Alt Phone No:	-
Activity Status Cd:	I	Fax No:	-
Activity Status:	Inactive	Email Addr:	-
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	SW	Wtr Tp Desc:	Surface water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	I	Fac Activity:	Inactive
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgy Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	F	Owner Type:	Federal government
PWS Type Code:	TNCWS	PWS Type:	Transient non-community system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	SW	Primary Srce:	Surface water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	25
Is Grant Eligible:	No	Srv Cnctn Cnt:	0
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Sllr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	Y	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	No	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes

Wells and Additional Sources Detail Report

Submission Yr Qtr: 2016Q1

--Details--

Treatment ID: -
 Treatment Process Code: -
 Treatment Process: -
 Treatment Objective Code: -
 Treatment Objective: -
 Treatment Plant City: -
 Treatment Plant State: -
 Treatment Plant Addr 1: -
 Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910124	Pop Cat 11:	100,001-250,000
Facility ID:	9290	Pop Cat 11 Cd:	8
Facility Name:	VILLA	Pop Cat 2:	10,000+
EPA Region Code:	09	Pop Cat 2 Cd:	2
EPA Region:	Region 9	Pop Cat 3:	3,301-50,000
Season Begin Date:	-	Pop Cat 3 Cd:	3
Season End Date:	-	Pop Cat 4:	100K+
Deactivation Date:	-	Pop Cat 4 Cd:	4
Fac Deactvtn Dt:	-	Pop Cat 5:	>100,000
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	5
Last Rptd Date:	01-APR-16	ORG Name:	KWAN, SHAN
Primacy Agency:	California	Admin Name:	KWAN, SHAN
Is Source Ind:	Yes	Phone No:	626-744-4416
Facility Type Cd:	WL	Phone Ext No:	-
Facility Type Desc:	Well	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	626-744-4670
Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NET
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	L	Owner Type:	Local government
PWS Type Code:	CWS	PWS Type:	Community water system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	SWP	Primary Srce:	Surface water purchased

Wells and Additional Sources Detail Report

Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	165,740
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	36314
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Sllr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	Y	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	020
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qtr:	2016Q1		

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-
Treatment Objective Code:	-
Treatment Objective:	-
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910423	Pop Cat 11:	<=100
Facility ID:	1	Pop Cat 11 Cd:	1
Facility Name:	WELL	Pop Cat 2:	<10,000
EPA Region Code:	09	Pop Cat 2 Cd:	1
EPA Region:	Region 9	Pop Cat 3:	<=3300
Season Begin Date:	01-01	Pop Cat 3 Cd:	1
Season End Date:	12-31	Pop Cat 4:	<10K
Deactivation Date:	01-NOV-93	Pop Cat 4 Cd:	1
Fac Deactvtn Dt:	01-NOV-93	Pop Cat 5:	<=500
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	1
Last Rptd Date:	24-JUL-95	ORG Name:	-
Primacy Agency:	California	Admin Name:	USFS ANGELES NF
Is Source Ind:	Yes	Phone No:	-
Facility Type Cd:	WL	Phone Ext No:	-
Facility Type Desc:	Well	Alt Phone No:	-

Wells and Additional Sources Detail Report

Activity Status Cd: I	Fax No: -
Activity Status: Inactive	Email Addr: -
Availability Code: P	Avlbty Desc: Permanent
Water Type Code: GW	Wtr Tp Desc: Ground water
DBPR Schd Ctg Cd: -	DBPR Schd Ctg: -
Facility Activity Cd: I	Fac Activity: Inactive
Filtrtn Status Cd: -	Filt Stat Desc: -
GW or SW Code: GW	GW or SS: Groundwater
LT2 Sch Ctgry Cd: -	LT2 Sched Ctg: -
Owner Type Code: F	Owner Type: Federal government
PWS Type Code: TNCWS	PWS Type: Transient non-community system
Primcy Agency Cd: CA	Primacy Type: State
Primary Source Cd: GW	Primary Srce: Ground water
Seller Treatmnt Cd: -	Seller Trt Dsc: -
Submsn Status Cd: Y	Sub Stat Dsc: Reported and accepted
Subms Sts Cd Vio: Y	Pop Srvd Cnt: 25
Is Grant Eligible: No	Srv Cnctn Cnt: 0
Outstndng Perfrm: -	Seller PWSID: -
Outstndng Perf Dt: -	Sllr PWS Nm: -
Schl or Dycare: No	CDS ID: -
Source Treated Ind: Y	Country Code: US
Src Wtr Protected: -	Cntry Nm BTP: -
Src Wtr Prot Dt: -	State Code: CA
NPM Candidate: No	State Fac ID: -
Is Wholesaler: No	Sub Quarter: 1
Submission Year: 2016	Validity Ind: Yes
Submission Yr Qtr: 2016Q1	

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-
Treatment Objective Code:	-
Treatment Objective:	-
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910124	Pop Cat 11:	100,001-250,000
Facility ID:	CA1910124013	Pop Cat 11 Cd:	8

Wells and Additional Sources Detail Report

Facility Name:	MILLARD CANYON STREAM - RAW - ABANDONED	Pop Cat 2:	10,000+
EPA Region Code:	09	Pop Cat 2 Cd:	2
EPA Region:	Region 9	Pop Cat 3:	3,301-50,000
Season Begin Date:	-	Pop Cat 3 Cd:	3
Season End Date:	-	Pop Cat 4:	100K+
Deactivation Date:	-	Pop Cat 4 Cd:	4
Fac Deactvtn Dt:	01-JAN-01	Pop Cat 5:	>100,000
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	5
Last Rptd Date:	01-APR-16	ORG Name:	KWAN, SHAN
Primacy Agency:	California	Admin Name:	KWAN, SHAN
Is Source Ind:	Yes	Phone No:	626-744-4416
Facility Type Cd:	RS	Phone Ext No:	-
Facility Type Desc:	Reservoir	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	626-744-4670
Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NE T
Availability Code:	O	Avlblty Desc:	Other
Water Type Code:	SW	Wtr Tp Desc:	Surface water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	I	Fac Activity:	Inactive
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	L	Owner Type:	Local government
PWS Type Code:	CWS	PWS Type:	Community water system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	SWP	Primary Srce:	Surface water purchased
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	165,740
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	36314
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Sllr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qtr:	2016Q1		

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-
Treatment Objective Code:	-

Wells and Additional Sources Detail Report

Treatment Objective: -
 Treatment Plant City: -
 Treatment Plant State: -
 Treatment Plant Addr 1: -
 Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910440	Pop Cat 11:	<=100
Facility ID:	1	Pop Cat 11 Cd:	1
Facility Name:	WELL	Pop Cat 2:	<10,000
EPA Region Code:	09	Pop Cat 2 Cd:	1
EPA Region:	Region 9	Pop Cat 3:	<=3300
Season Begin Date:	01-01	Pop Cat 3 Cd:	1
Season End Date:	12-31	Pop Cat 4:	<10K
Deactivation Date:	01-NOV-93	Pop Cat 4 Cd:	1
Fac Deactivtn Dt:	01-NOV-93	Pop Cat 5:	<=500
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	1
Last Rptd Date:	24-JUL-95	ORG Name:	-
Primacy Agency:	California	Admin Name:	USFS ANGELES NF
Is Source Ind:	Yes	Phone No:	-
Facility Type Cd:	WL	Phone Ext No:	-
Facility Type Desc:	Well	Alt Phone No:	-
Activity Status Cd:	I	Fax No:	-
Activity Status:	Inactive	Email Addr:	-
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	I	Fac Activity:	Inactive
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	GW	GW or SS:	Groundwater
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	F	Owner Type:	Federal government
PWS Type Code:	TNCWS	PWS Type:	Transient non-community system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	GW	Primary Srce:	Ground water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	25
Is Grant Eligible:	No	Srv Cnctn Cnt:	0
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Slr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-

Wells and Additional Sources Detail Report

Source Treated Ind:	Y	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	No	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qtr:	2016Q1		

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-
Treatment Objective Code:	-
Treatment Objective:	-
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910447	Pop Cat 11:	<=100
Facility ID:	1	Pop Cat 11 Cd:	1
Facility Name:	WELL	Pop Cat 2:	<10,000
EPA Region Code:	09	Pop Cat 2 Cd:	1
EPA Region:	Region 9	Pop Cat 3:	<=3300
Season Begin Date:	01-01	Pop Cat 3 Cd:	1
Season End Date:	12-31	Pop Cat 4:	<10K
Deactivation Date:	01-NOV-93	Pop Cat 4 Cd:	1
Fac Deactivtn Dt:	01-NOV-93	Pop Cat 5:	<=500
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	1
Last Rptd Date:	24-JUL-95	ORG Name:	-
Primacy Agency:	California	Admin Name:	USFS ANGELES NF
Is Source Ind:	Yes	Phone No:	-
Facility Type Cd:	WL	Phone Ext No:	-
Facility Type Desc:	Well	Alt Phone No:	-
Activity Status Cd:	I	Fax No:	-
Activity Status:	Inactive	Email Addr:	-
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	I	Fac Activity:	Inactive
Filtrtn Status Cd:	-	Filt Stat Desc:	-

Wells and Additional Sources Detail Report

GW or SW Code:	GW	GW or SS:	Groundwater
LT2 Sch Ctgr Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	F	Owner Type:	Federal government
PWS Type Code:	TNCWS	PWS Type:	Transient non-community system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	GW	Primary Srce:	Ground water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	25
Is Grant Eligible:	No	Srv Cnctn Cnt:	0
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Sllr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	Y	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	No	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qtr:	2016Q1		

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-
Treatment Objective Code:	-
Treatment Objective:	-
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910124	Pop Cat 11:	100,001-250,000
Facility ID:	CA1910124036	Pop Cat 11 Cd:	8
Facility Name:	MWD CONNECTION, P-4 - TREATED	Pop Cat 2:	10,000+
EPA Region Code:	09	Pop Cat 2 Cd:	2
EPA Region:	Region 9	Pop Cat 3:	3,301-50,000
Season Begin Date:	-	Pop Cat 3 Cd:	3
Season End Date:	-	Pop Cat 4:	100K+
Deactivation Date:	-	Pop Cat 4 Cd:	4
Fac Deactvtn Dt:	-	Pop Cat 5:	>100,000

Wells and Additional Sources Detail Report

First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	5
Last Rptd Date:	18-DEC-13	ORG Name:	KWAN, SHAN
Primacy Agency:	California	Admin Name:	KWAN, SHAN
Is Source Ind:	Yes	Phone No:	626-744-4416
Facility Type Cd:	CC	Phone Ext No:	-
Facility Type Desc:	Consecutive Connection	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	626-744-4670
Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NET
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	SW	Wtr Tp Desc:	Surface water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	L	Owner Type:	Local government
PWS Type Code:	CWS	PWS Type:	Community water system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	SW	Primary Srce:	Surface water
Seller Treatmnt Cd:	N	Seller Trt Dsc:	Not treated
Submsn Status Cd:	Y	Sub Stat Dsc:	Unreported
Subms Sts Cd Vio:	U	Pop Srvd Cnt:	161,259
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	37355
Outstndng Perfrm:	-	Seller PWSID:	CA1910087
Outstndng Perf Dt:	-	Slr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	4
Submission Year:	2013	Validity Ind:	No
Submission Yr Qtr:	2013Q4		

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-
Treatment Objective Code:	-
Treatment Objective:	-
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Wells and Additional Sources Detail Report

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910453	Pop Cat 11:	<=100
Facility ID:	1	Pop Cat 11 Cd:	1
Facility Name:	WELL	Pop Cat 2:	<10,000
EPA Region Code:	09	Pop Cat 2 Cd:	1
EPA Region:	Region 9	Pop Cat 3:	<=3300
Season Begin Date:	01-01	Pop Cat 3 Cd:	1
Season End Date:	12-31	Pop Cat 4:	<10K
Deactivation Date:	01-NOV-93	Pop Cat 4 Cd:	1
Fac Deactvtn Dt:	01-NOV-93	Pop Cat 5:	<=500
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	1
Last Rptd Date:	24-JUL-95	ORG Name:	-
Primacy Agency:	California	Admin Name:	USFS VALVERMO 10-54-1839
Is Source Ind:	Yes	Phone No:	-
Facility Type Cd:	WL	Phone Ext No:	-
Facility Type Desc:	Well	Alt Phone No:	-
Activity Status Cd:	I	Fax No:	-
Activity Status:	Inactive	Email Addr:	-
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	I	Fac Activity:	Inactive
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	GW	GW or SS:	Groundwater
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	F	Owner Type:	Federal government
PWS Type Code:	CWS	PWS Type:	Community water system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	GW	Primary Srce:	Ground water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	25
Is Grant Eligible:	No	Srv Cnctn Cnt:	0
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Slr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	Y	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	No	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qtr:	2016Q1		

Wells and Additional Sources Detail Report

--Details--

Treatment ID: -
 Treatment Process Code: -
 Treatment Process: -
 Treatment Objective Code: -
 Treatment Objective: -
 Treatment Plant City: -
 Treatment Plant State: -
 Treatment Plant Addr 1: -
 Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910124	Pop Cat 11:	100,001-250,000
Facility ID:	CA1910124803	Pop Cat 11 Cd:	8
Facility Name:	SITE 38-3750 E. CARTWRIGHT ST.- STG2 DBP	Pop Cat 2:	10,000+
EPA Region Code:	09	Pop Cat 2 Cd:	2
EPA Region:	Region 9	Pop Cat 3:	3,301-50,000
Season Begin Date:	-	Pop Cat 3 Cd:	3
Season End Date:	-	Pop Cat 4:	100K+
Deactivation Date:	-	Pop Cat 4 Cd:	4
Fac Deactivtn Dt:	-	Pop Cat 5:	>100,000
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	5
Last Rptd Date:	18-DEC-13	ORG Name:	KWAN, SHAN
Primacy Agency:	California	Admin Name:	KWAN, SHAN
Is Source Ind:	Yes	Phone No:	626-744-4416
Facility Type Cd:	RS	Phone Ext No:	-
Facility Type Desc:	Reservoir	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	626-744-4670
Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NET
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	SW	Wtr Tp Desc:	Surface water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	L	Owner Type:	Local government
PWS Type Code:	CWS	PWS Type:	Community water system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	SW	Primary Srce:	Surface water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-

Wells and Additional Sources Detail Report

Submsn Status Cd:	Y	Sub Stat Dsc:	Unreported
Subms Sts Cd Vio:	U	Pop Srvd Cnt:	161,259
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	37355
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Slr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	4
Submission Year:	2013	Validity Ind:	No
Submission Yr Qtr:	2013Q4		

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-
Treatment Objective Code:	-
Treatment Objective:	-
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910124	Pop Cat 11:	100,001-250,000
Facility ID:	CA1910124006	Pop Cat 11 Cd:	8
Facility Name:	COPELIN	Pop Cat 2:	10,000+
EPA Region Code:	09	Pop Cat 2 Cd:	2
EPA Region:	Region 9	Pop Cat 3:	3,301-50,000
Season Begin Date:	-	Pop Cat 3 Cd:	3
Season End Date:	-	Pop Cat 4:	100K+
Deactivation Date:	-	Pop Cat 4 Cd:	4
Fac Deactvtn Dt:	-	Pop Cat 5:	>100,000
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	5
Last Rptd Date:	18-DEC-13	ORG Name:	KWAN, SHAN
Primacy Agency:	California	Admin Name:	KWAN, SHAN
Is Source Ind:	Yes	Phone No:	626-744-4416
Facility Type Cd:	WL	Phone Ext No:	-
Facility Type Desc:	Well	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	626-744-4670

Wells and Additional Sources Detail Report

Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NET
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	L	Owner Type:	Local government
PWS Type Code:	CWS	PWS Type:	Community water system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	SW	Primary Srce:	Surface water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Unreported
Subms Sts Cd Vio:	U	Pop Srvd Cnt:	161,259
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	37355
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Slr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	4
Submission Year:	2013	Validity Ind:	No
Submission Yr Qtr:	2013Q4		

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-
Treatment Objective Code:	-
Treatment Objective:	-
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910124	Pop Cat 11:	100,001-250,000
Facility ID:	35	Pop Cat 11 Cd:	8
Facility Name:	MWD CONNECTION, P-3 -	Pop Cat 2:	10,000+

Wells and Additional Sources Detail Report

	TREATED		
EPA Region Code:	09	Pop Cat 2 Cd:	2
EPA Region:	Region 9	Pop Cat 3:	3,301-50,000
Season Begin Date:	-	Pop Cat 3 Cd:	3
Season End Date:	-	Pop Cat 4:	100K+
Deactivation Date:	-	Pop Cat 4 Cd:	4
Fac Deactvtn Dt:	-	Pop Cat 5:	>100,000
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	5
Last Rptd Date:	18-DEC-13	ORG Name:	KWAN, SHAN
Primacy Agency:	California	Admin Name:	KWAN, SHAN
Is Source Ind:	Yes	Phone No:	626-744-4416
Facility Type Cd:	CC	Phone Ext No:	-
Facility Type Desc:	Consecutive Connection	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	626-744-4670
Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NET
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	SW	Wtr Tp Desc:	Surface water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	L	Owner Type:	Local government
PWS Type Code:	CWS	PWS Type:	Community water system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	SW	Primary Srce:	Surface water
Seller Treatmnt Cd:	U	Seller Trt Dsc:	Unknown
Submsn Status Cd:	Y	Sub Stat Dsc:	Unreported
Subms Sts Cd Vio:	U	Pop Srvd Cnt:	161,259
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	37355
Outstndng Perfrm:	-	Seller PWSID:	CA1910087
Outstndng Perf Dt:	-	Slr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	U	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	4
Submission Year:	2013	Validity Ind:	No
Submission Yr Qtr:	2013Q4		

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-
Treatment Objective Code:	-

Wells and Additional Sources Detail Report

Treatment Objective: -
 Treatment Plant City: -
 Treatment Plant State: -
 Treatment Plant Addr 1: -
 Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910124	Pop Cat 11:	100,001-250,000
Facility ID:	CA1910124001	Pop Cat 11 Cd:	8
Facility Name:	ARROYO WELL	Pop Cat 2:	10,000+
EPA Region Code:	09	Pop Cat 2 Cd:	2
EPA Region:	Region 9	Pop Cat 3:	3,301-50,000
Season Begin Date:	-	Pop Cat 3 Cd:	3
Season End Date:	-	Pop Cat 4:	100K+
Deactivation Date:	-	Pop Cat 4 Cd:	4
Fac Deactivtn Dt:	-	Pop Cat 5:	>100,000
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	5
Last Rptd Date:	18-DEC-13	ORG Name:	KWAN, SHAN
Primacy Agency:	California	Admin Name:	KWAN, SHAN
Is Source Ind:	Yes	Phone No:	626-744-4416
Facility Type Cd:	WL	Phone Ext No:	-
Facility Type Desc:	Well	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	626-744-4670
Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NET
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	L	Owner Type:	Local government
PWS Type Code:	CWS	PWS Type:	Community water system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	SW	Primary Srce:	Surface water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Unreported
Subms Sts Cd Vio:	U	Pop Srvd Cnt:	161,259
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	37355
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Slr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-

Wells and Additional Sources Detail Report

Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	4
Submission Year:	2013	Validity Ind:	No
Submission Yr Qtr:	2013Q4		

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-
Treatment Objective Code:	-
Treatment Objective:	-
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910448	Pop Cat 11:	<=100
Facility ID:	1T	Pop Cat 11 Cd:	1
Facility Name:	LAKE	Pop Cat 2:	<10,000
EPA Region Code:	09	Pop Cat 2 Cd:	1
EPA Region:	Region 9	Pop Cat 3:	<=3300
Season Begin Date:	01-01	Pop Cat 3 Cd:	1
Season End Date:	12-31	Pop Cat 4:	<10K
Deactivation Date:	01-NOV-93	Pop Cat 4 Cd:	1
Fac Deactvtn Dt:	01-NOV-93	Pop Cat 5:	<=500
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	1
Last Rptd Date:	24-JUL-95	ORG Name:	-
Primacy Agency:	California	Admin Name:	USFS ANGELES NF
Is Source Ind:	No	Phone No:	-
Facility Type Cd:	TP	Phone Ext No:	-
Facility Type Desc:	Treatment Plant	Alt Phone No:	-
Activity Status Cd:	I	Fax No:	-
Activity Status:	Inactive	Email Addr:	-
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	SW	Wtr Tp Desc:	Surface water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	I	Fac Activity:	Inactive
Filtrtn Status Cd:	-	Filt Stat Desc:	-

Wells and Additional Sources Detail Report

GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	F	Owner Type:	Federal government
PWS Type Code:	TNCWS	PWS Type:	Transient non-community system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	SW	Primary Srce:	Surface water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	25
Is Grant Eligible:	No	Srv Cnctn Cnt:	0
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Sllr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	No	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qtr:	2016Q1		

--Details--

Treatment ID:	5
Treatment Process Code:	473
Treatment Process:	Converted (FRDS-1.5)
Treatment Objective Code:	C
Treatment Objective:	Corrosion control
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Treatment ID:	11
Treatment Process Code:	461
Treatment Process:	Chlorination (FRDS-1.5)
Treatment Objective Code:	D
Treatment Objective:	Disinfection
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Wells and Additional Sources Detail Report

Treatment ID: 4
 Treatment Process Code: 348
 Treatment Process: Filtered
 Treatment Objective Code: P
 Treatment Objective: Particulate removal
 Treatment Plant City: -
 Treatment Plant State: -
 Treatment Plant Addr 1: -
 Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910124	Pop Cat 11:	100,001-250,000
Facility ID:	40	Pop Cat 11 Cd:	8
Facility Name:	EATON WELL - CHLORINATION - STANDBY	Pop Cat 2:	10,000+
EPA Region Code:	09	Pop Cat 2 Cd:	2
EPA Region:	Region 9	Pop Cat 3:	3,301-50,000
Season Begin Date:	-	Pop Cat 3 Cd:	3
Season End Date:	-	Pop Cat 4:	100K+
Deactivation Date:	-	Pop Cat 4 Cd:	4
Fac Deactvtn Dt:	-	Pop Cat 5:	>100,000
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	5
Last Rptd Date:	18-DEC-13	ORG Name:	KWAN, SHAN
Primacy Agency:	California	Admin Name:	KWAN, SHAN
Is Source Ind:	No	Phone No:	626-744-4416
Facility Type Cd:	TP	Phone Ext No:	-
Facility Type Desc:	Treatment Plant	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	626-744-4670
Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NET
Availability Code:	E	Avlblty Desc:	Emergency
Water Type Code:	-	Wtr Tp Desc:	-
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	L	Owner Type:	Local government
PWS Type Code:	CWS	PWS Type:	Community water system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	SW	Primary Srce:	Surface water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Unreported

Wells and Additional Sources Detail Report

Subms Sts Cd Vio: U	Pop Srvd Cnt: 161,259
Is Grant Eligible: Yes	Srv Cnctn Cnt: 37355
Outstndng Perfrm: -	Seller PWSID: -
Outstndng Perf Dt: -	Sllr PWS Nm: -
Schl or Dycare: No	CDS ID: -
Source Treated Ind: -	Country Code: US
Src Wtr Protected: -	Cntry Nm BTP: -
Src Wtr Prot Dt: -	State Code: CA
NPM Candidate: Yes	State Fac ID: -
Is Wholesaler: No	Sub Quarter: 4
Submission Year: 2013	Validity Ind: No
Submission Yr Qtr: 2013Q4	

--Details--

Treatment ID: 1
 Treatment Process Code: 401
 Treatment Process: Gaseous Chlorination, Post
 Treatment Objective Code: D
 Treatment Objective: Disinfection
 Treatment Plant City: -
 Treatment Plant State: -
 Treatment Plant Addr 1: -
 Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID: CA1910420	Pop Cat 11: <=100
Facility ID: 1	Pop Cat 11 Cd: 1
Facility Name: WELL	Pop Cat 2: <10,000
EPA Region Code: 09	Pop Cat 2 Cd: 1
EPA Region: Region 9	Pop Cat 3: <=3300
Season Begin Date: 01-01	Pop Cat 3 Cd: 1
Season End Date: 12-31	Pop Cat 4: <10K
Deactivation Date: 01-NOV-93	Pop Cat 4 Cd: 1
Fac Deactvtn Dt: 01-NOV-93	Pop Cat 5: <=500
First Rptd Dt: 22-MAR-79	Pop Cat 5 Cd: 1
Last Rptd Date: 24-JUL-95	ORG Name: -
Primacy Agency: California	Admin Name: USFS ANGELES NF
Is Source Ind: Yes	Phone No: -
Facility Type Cd: WL	Phone Ext No: -
Facility Type Desc: Well	Alt Phone No: -
Activity Status Cd: I	Fax No: -
Activity Status: Inactive	Email Addr: -

Wells and Additional Sources Detail Report

Availability Code: P	Avlblty Desc: Permanent
Water Type Code: GW	Wtr Tp Desc: Ground water
DBPR Schd Ctg Cd: -	DBPR Schd Ctg: -
Facility Activity Cd: I	Fac Activity: Inactive
Filtrtn Status Cd: -	Filt Stat Desc: -
GW or SW Code: GW	GW or SS: Groundwater
LT2 Sch Ctgry Cd: -	LT2 Sched Ctg: -
Owner Type Code: F	Owner Type: Federal government
PWS Type Code: TNCWS	PWS Type: Transient non-community system
Primcy Agency Cd: CA	Primacy Type: State
Primary Source Cd: GW	Primary Srce: Ground water
Seller Treatmnt Cd: -	Seller Trt Dsc: -
Submsn Status Cd: Y	Sub Stat Dsc: Reported and accepted
Subms Sts Cd Vio: Y	Pop Srvd Cnt: 25
Is Grant Eligible: No	Srv Cnctn Cnt: 0
Outstndng Perfrm: -	Seller PWSID: -
Outstndng Perf Dt: -	Sllr PWS Nm: -
Schl or Dycare: No	CDS ID: -
Source Treated Ind: Y	Country Code: US
Src Wtr Protected: -	Cntry Nm BTP: -
Src Wtr Prot Dt: -	State Code: CA
NPM Candidate: No	State Fac ID: -
Is Wholesaler: No	Sub Quarter: 1
Submission Year: 2016	Validity Ind: Yes
Submission Yr Qtr: 2016Q1	

--Details--

Treatment ID: -

Treatment Process Code: -

Treatment Process: -

Treatment Objective Code: -

Treatment Objective: -

Treatment Plant City: -

Treatment Plant State: -

Treatment Plant Addr 1: -

Treatment Plant Addr 2: -

Treatment Plant Zip Code: -

Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID: CA1910124	Pop Cat 11: 100,001-250,000
Facility ID: CA1910124008	Pop Cat 11 Cd: 8
Facility Name: EATON CANYON STREAM - RAW - INACTIVE	Pop Cat 2: 10,000+
EPA Region Code: 09	Pop Cat 2 Cd: 2

Wells and Additional Sources Detail Report

EPA Region:	Region 9	Pop Cat 3:	3,301-50,000
Season Begin Date:	-	Pop Cat 3 Cd:	3
Season End Date:	-	Pop Cat 4:	100K+
Deactivation Date:	-	Pop Cat 4 Cd:	4
Fac Deactvtn Dt:	01-JAN-01	Pop Cat 5:	>100,000
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	5
Last Rptd Date:	01-APR-16	ORG Name:	KWAN, SHAN
Primacy Agency:	California	Admin Name:	KWAN, SHAN
Is Source Ind:	Yes	Phone No:	626-744-4416
Facility Type Cd:	RS	Phone Ext No:	-
Facility Type Desc:	Reservoir	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	626-744-4670
Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NET
Availability Code:	O	Avlblty Desc:	Other
Water Type Code:	SW	Wtr Tp Desc:	Surface water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	I	Fac Activity:	Inactive
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	L	Owner Type:	Local government
PWS Type Code:	CWS	PWS Type:	Community water system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	SWP	Primary Srce:	Surface water purchased
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	165,740
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	36314
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Slr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qtr:	2016Q1		

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-
Treatment Objective Code:	-
Treatment Objective:	-
Treatment Plant City:	-

Wells and Additional Sources Detail Report

Treatment Plant State: -
 Treatment Plant Addr 1: -
 Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910124	Pop Cat 11:	100,001-250,000
Facility ID:	17	Pop Cat 11 Cd:	8
Facility Name:	SHELDON - INACTIVE	Pop Cat 2:	10,000+
EPA Region Code:	09	Pop Cat 2 Cd:	2
EPA Region:	Region 9	Pop Cat 3:	3,301-50,000
Season Begin Date:	-	Pop Cat 3 Cd:	3
Season End Date:	-	Pop Cat 4:	100K+
Deactivation Date:	-	Pop Cat 4 Cd:	4
Fac Deactivtn Dt:	-	Pop Cat 5:	>100,000
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	5
Last Rptd Date:	18-DEC-13	ORG Name:	KWAN, SHAN
Primacy Agency:	California	Admin Name:	KWAN, SHAN
Is Source Ind:	Yes	Phone No:	626-744-4416
Facility Type Cd:	WL	Phone Ext No:	-
Facility Type Desc:	Well	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	626-744-4670
Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NE T
Availability Code:	O	Avlblty Desc:	Other
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	L	Owner Type:	Local government
PWS Type Code:	CWS	PWS Type:	Community water system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	SW	Primary Srce:	Surface water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Unreported
Subms Sts Cd Vio:	U	Pop Srvd Cnt:	161,259
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	37355
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Slir PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	U	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-

Wells and Additional Sources Detail Report

Src Wtr Prot Dt: -	State Code: CA
NPM Candidate: Yes	State Fac ID: -
Is Wholesaler: No	Sub Quarter: 4
Submission Year: 2013	Validity Ind: No
Submission Yr Qtr: 2013Q4	

--Details--

Treatment ID: -

Treatment Process Code: -

Treatment Process: -

Treatment Objective Code: -

Treatment Objective: -

Treatment Plant City: -

Treatment Plant State: -

Treatment Plant Addr 1: -

Treatment Plant Addr 2: -

Treatment Plant Zip Code: -

Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID: CA1910431	Pop Cat 11: <=100
Facility ID: 1	Pop Cat 11 Cd: 1
Facility Name: SPRING	Pop Cat 2: <10,000
EPA Region Code: 09	Pop Cat 2 Cd: 1
EPA Region: Region 9	Pop Cat 3: <=3300
Season Begin Date: 01-01	Pop Cat 3 Cd: 1
Season End Date: 12-31	Pop Cat 4: <10K
Deactivation Date: 01-NOV-93	Pop Cat 4 Cd: 1
Fac Deactvtn Dt: 01-NOV-93	Pop Cat 5: <=500
First Rptd Dt: 22-MAR-79	Pop Cat 5 Cd: 1
Last Rptd Date: 24-JUL-95	ORG Name: -
Primacy Agency: California	Admin Name: USFS ANGELES NF
Is Source Ind: Yes	Phone No: -
Facility Type Cd: WL	Phone Ext No: -
Facility Type Desc: Well	Alt Phone No: -
Activity Status Cd: I	Fax No: -
Activity Status: Inactive	Email Addr: -
Availability Code: P	Avlblty Desc: Permanent
Water Type Code: GW	Wtr Tp Desc: Ground water
DBPR Schd Ctg Cd: -	DBPR Schd Ctg: -
Facility Activity Cd: I	Fac Activity: Inactive
Filtrtn Status Cd: -	Filt Stat Desc: -
GW or SW Code: GW	GW or SS: Groundwater
LT2 Sch Ctgry Cd: -	LT2 Sched Ctg: -

Wells and Additional Sources Detail Report

Owner Type Code: F	Owner Type: Federal government
PWS Type Code: TNCWS	PWS Type: Transient non-community system
Primcy Agency Cd: CA	Primacy Type: State
Primary Source Cd: GW	Primary Srce: Ground water
Seller Treatmnt Cd: -	Seller Trt Dsc: -
Submsn Status Cd: Y	Sub Stat Dsc: Reported and accepted
Subms Sts Cd Vio: Y	Pop Srvd Cnt: 25
Is Grant Eligible: No	Srv Cnctn Cnt: 0
Outstndng Perfrm: -	Seller PWSID: -
Outstndng Perf Dt: -	Sllr PWS Nm: -
Schl or Dycare: No	CDS ID: -
Source Treated Ind: Y	Country Code: US
Src Wtr Protected: -	Cntry Nm BTP: -
Src Wtr Prot Dt: -	State Code: CA
NPM Candidate: No	State Fac ID: -
Is Wholesaler: No	Sub Quarter: 1
Submission Year: 2016	Validity Ind: Yes
Submission Yr Qtr: 2016Q1	

--Details--

Treatment ID: -

Treatment Process Code: -

Treatment Process: -

Treatment Objective Code: -

Treatment Objective: -

Treatment Plant City: -

Treatment Plant State: -

Treatment Plant Addr 1: -

Treatment Plant Addr 2: -

Treatment Plant Zip Code: -

Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID: CA1910124	Pop Cat 11: 100,001-250,000
Facility ID: 28406	Pop Cat 11 Cd: 8
Facility Name: MWD CONNECTION, P-5 - TREATED	Pop Cat 2: 10,000+
EPA Region Code: 09	Pop Cat 2 Cd: 2
EPA Region: Region 9	Pop Cat 3: 3,301-50,000
Season Begin Date: -	Pop Cat 3 Cd: 3
Season End Date: -	Pop Cat 4: 100K+
Deactivation Date: -	Pop Cat 4 Cd: 4
Fac Deactvtn Dt: -	Pop Cat 5: >100,000
First Rptd Dt: 22-MAR-79	Pop Cat 5 Cd: 5
Last Rptd Date: 01-APR-16	ORG Name: KWAN, SHAN

Wells and Additional Sources Detail Report

Primacy Agency:	California	Admin Name:	KWAN, SHAN
Is Source Ind:	Yes	Phone No:	626-744-4416
Facility Type Cd:	CC	Phone Ext No:	-
Facility Type Desc:	Consecutive Connection	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	626-744-4670
Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NET
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	SW	Wtr Tp Desc:	Surface water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	L	Owner Type:	Local government
PWS Type Code:	CWS	PWS Type:	Community water system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	SWP	Primary Srce:	Surface water purchased
Seller Treatmnt Cd:	Y	Seller Trt Dsc:	Partially treated by seller
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	165,740
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	36314
Outstndng Perfrm:	-	Seller PWSID:	CA1910087
Outstndng Perf Dt:	-	Sllr PWS Nm:	METROPOLITAN WATER DIST. OF SO. CAL.
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	N	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	037
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qtr:	2016Q1		

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-
Treatment Objective Code:	-
Treatment Objective:	-
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
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Wells and Additional Sources Detail Report

2	NE	0.48	2,539.22	830.34	SDWIS
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PWS ID:	CA1910124	Pop Cat 11:	100,001-250,000
Facility ID:	CA1910124016	Pop Cat 11 Cd:	8
Facility Name:	POST - DESTROYED	Pop Cat 2:	10,000+
EPA Region Code:	09	Pop Cat 2 Cd:	2
EPA Region:	Region 9	Pop Cat 3:	3,301-50,000
Season Begin Date:	-	Pop Cat 3 Cd:	3
Season End Date:	-	Pop Cat 4:	100K+
Deactivation Date:	-	Pop Cat 4 Cd:	4
Fac Deactivtn Dt:	01-JAN-01	Pop Cat 5:	>100,000
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	5
Last Rptd Date:	01-APR-16	ORG Name:	KWAN, SHAN
Primacy Agency:	California	Admin Name:	KWAN, SHAN
Is Source Ind:	Yes	Phone No:	626-744-4416
Facility Type Cd:	WL	Phone Ext No:	-
Facility Type Desc:	Well	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	626-744-4670
Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NE T
Availability Code:	O	Avlblty Desc:	Other
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	I	Fac Activity:	Inactive
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	L	Owner Type:	Local government
PWS Type Code:	CWS	PWS Type:	Community water system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	SWP	Primary Srce:	Surface water purchased
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	165,740
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	36314
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Slr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qrtr:	2016Q1		

--Details--

Wells and Additional Sources Detail Report

Treatment ID: -
 Treatment Process Code: -
 Treatment Process: -
 Treatment Objective Code: -
 Treatment Objective: -
 Treatment Plant City: -
 Treatment Plant State: -
 Treatment Plant Addr 1: -
 Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910450	Pop Cat 11:	<=100
Facility ID:	1	Pop Cat 11 Cd:	1
Facility Name:	SPRING	Pop Cat 2:	<10,000
EPA Region Code:	09	Pop Cat 2 Cd:	1
EPA Region:	Region 9	Pop Cat 3:	<=3300
Season Begin Date:	01-01	Pop Cat 3 Cd:	1
Season End Date:	12-31	Pop Cat 4:	<10K
Deactivation Date:	01-NOV-93	Pop Cat 4 Cd:	1
Fac Deactvtn Dt:	01-NOV-93	Pop Cat 5:	<=500
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	1
Last Rptd Date:	24-JUL-95	ORG Name:	-
Primacy Agency:	California	Admin Name:	USFS ANGELES NF
Is Source Ind:	Yes	Phone No:	-
Facility Type Cd:	WL	Phone Ext No:	-
Facility Type Desc:	Well	Alt Phone No:	-
Activity Status Cd:	I	Fax No:	-
Activity Status:	Inactive	Email Addr:	-
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	I	Fac Activity:	Inactive
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	GW	GW or SS:	Groundwater
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	F	Owner Type:	Federal government
PWS Type Code:	TNCWS	PWS Type:	Transient non-community system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	GW	Primary Srce:	Ground water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	25

Wells and Additional Sources Detail Report

Is Grant Eligible:	No	Srv Cnctn Cnt:	0
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	SIr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	Y	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	No	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qtr:	2016Q1		

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-
Treatment Objective Code:	-
Treatment Objective:	-
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910124	Pop Cat 11:	100,001-250,000
Facility ID:	28405	Pop Cat 11 Cd:	8
Facility Name:	MWD CONNECTION, P-4 - TREATED	Pop Cat 2:	10,000+
EPA Region Code:	09	Pop Cat 2 Cd:	2
EPA Region:	Region 9	Pop Cat 3:	3,301-50,000
Season Begin Date:	-	Pop Cat 3 Cd:	3
Season End Date:	-	Pop Cat 4:	100K+
Deactivation Date:	-	Pop Cat 4 Cd:	4
Fac Deactvtn Dt:	-	Pop Cat 5:	>100,000
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	5
Last Rptd Date:	01-APR-16	ORG Name:	KWAN, SHAN
Primacy Agency:	California	Admin Name:	KWAN, SHAN
Is Source Ind:	Yes	Phone No:	626-744-4416
Facility Type Cd:	CC	Phone Ext No:	-
Facility Type Desc:	Consecutive Connection	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	626-744-4670
Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NET

Wells and Additional Sources Detail Report

Availability Code: P	Avlblty Desc: Permanent
Water Type Code: SW	Wtr Tp Desc: Surface water
DBPR Schd Ctg Cd: -	DBPR Schd Ctg: -
Facility Activity Cd: A	Fac Activity: Active
Filtrtn Status Cd: -	Filt Stat Desc: -
GW or SW Code: SW	GW or SS: Surface water
LT2 Sch Ctgry Cd: -	LT2 Sched Ctg: -
Owner Type Code: L	Owner Type: Local government
PWS Type Code: CWS	PWS Type: Community water system
Primcy Agency Cd: CA	Primacy Type: State
Primary Source Cd: SWP	Primary Srce: Surface water purchased
Seller Treatmnt Cd: Y	Seller Trt Dsc: Partially treated by seller
Submsn Status Cd: Y	Sub Stat Dsc: Unreported
Subms Sts Cd Vio: U	Pop Srvd Cnt: 165,740
Is Grant Eligible: Yes	Srv Cnctn Cnt: 36314
Outstndng Perfrm: -	Seller PWSID: CA1910087
Outstndng Perf Dt: -	Sllr PWS Nm: METROPOLITAN WATER DIST. OF SO. CAL.
Schl or Dycare: No	CDS ID: -
Source Treated Ind: N	Country Code: US
Src Wtr Protected: -	Cntry Nm BTP: -
Src Wtr Prot Dt: -	State Code: CA
NPM Candidate: Yes	State Fac ID: 036
Is Wholesaler: No	Sub Quarter: 1
Submission Year: 2016	Validity Ind: No
Submission Yr Qtr: 2016Q1	

--Details--

Treatment ID: -

Treatment Process Code: -

Treatment Process: -

Treatment Objective Code: -

Treatment Objective: -

Treatment Plant City: -

Treatment Plant State: -

Treatment Plant Addr 1: -

Treatment Plant Addr 2: -

Treatment Plant Zip Code: -

Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID: CA1910438	Pop Cat 11: <=100
Facility ID: 1T	Pop Cat 11 Cd: 1
Facility Name: SPRING	Pop Cat 2: <10,000
EPA Region Code: 09	Pop Cat 2 Cd: 1

Wells and Additional Sources Detail Report

EPA Region:	Region 9	Pop Cat 3:	<=3300
Season Begin Date:	01-01	Pop Cat 3 Cd:	1
Season End Date:	12-31	Pop Cat 4:	<10K
Deactivation Date:	01-NOV-93	Pop Cat 4 Cd:	1
Fac Deactivtn Dt:	01-NOV-93	Pop Cat 5:	<=500
First Rptd Dt:	02-DEC-81	Pop Cat 5 Cd:	1
Last Rptd Date:	24-JUL-95	ORG Name:	-
Primacy Agency:	California	Admin Name:	USFS ANGELES NF
Is Source Ind:	No	Phone No:	-
Facility Type Cd:	TP	Phone Ext No:	-
Facility Type Desc:	Treatment Plant	Alt Phone No:	-
Activity Status Cd:	I	Fax No:	-
Activity Status:	Inactive	Email Addr:	-
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	I	Fac Activity:	Inactive
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	GW	GW or SS:	Groundwater
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	-	Owner Type:	Unknown Owner Type
PWS Type Code:	TNCWS	PWS Type:	Transient non-community system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	GW	Primary Srce:	Ground water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	25
Is Grant Eligible:	No	Srv Cnctn Cnt:	0
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Slr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	No	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qtr:	2016Q1		

--Details--

Treatment ID:	5
Treatment Process Code:	473
Treatment Process:	Converted (FRDS-1.5)
Treatment Objective Code:	C
Treatment Objective:	Corrosion control
Treatment Plant City:	-
Treatment Plant State:	-

Wells and Additional Sources Detail Report

Treatment Plant Addr 1: -
 Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: -

Treatment ID: 11
 Treatment Process Code: 461
 Treatment Process: Chlorination (FRDS-1.5)
 Treatment Objective Code: D
 Treatment Objective: Disinfection
 Treatment Plant City: -
 Treatment Plant State: -
 Treatment Plant Addr 1: -
 Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: -

Treatment ID: 4
 Treatment Process Code: 348
 Treatment Process: Filtered
 Treatment Objective Code: P
 Treatment Objective: Particulate removal
 Treatment Plant City: -
 Treatment Plant State: -
 Treatment Plant Addr 1: -
 Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910451	Pop Cat 11:	<=100
Facility ID:	1	Pop Cat 11 Cd:	1
Facility Name:	SPRING	Pop Cat 2:	<10,000
EPA Region Code:	09	Pop Cat 2 Cd:	1
EPA Region:	Region 9	Pop Cat 3:	<=3300
Season Begin Date:	01-01	Pop Cat 3 Cd:	1
Season End Date:	12-31	Pop Cat 4:	<10K
Deactivation Date:	01-NOV-93	Pop Cat 4 Cd:	1
Fac Deactivtn Dt:	01-NOV-93	Pop Cat 5:	<=500
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	1
Last Rptd Date:	24-JUL-95	ORG Name:	-
Primacy Agency:	California	Admin Name:	USFS ANGELES NF
Is Source Ind:	Yes	Phone No:	-
Facility Type Cd:	WL	Phone Ext No:	-

Wells and Additional Sources Detail Report

Facility Type Desc:	Well	Alt Phone No:	-
Activity Status Cd:	I	Fax No:	-
Activity Status:	Inactive	Email Addr:	-
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	I	Fac Activity:	Inactive
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	GW	GW or SS:	Groundwater
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	F	Owner Type:	Federal government
PWS Type Code:	TNCWS	PWS Type:	Transient non-community system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	GW	Primary Srce:	Ground water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	25
Is Grant Eligible:	No	Srv Cnctn Cnt:	0
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Slr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	Y	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	No	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qtr:	2016Q1		

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-
Treatment Objective Code:	-
Treatment Objective:	-
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910445	Pop Cat 11:	<=100
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Wells and Additional Sources Detail Report

Facility ID:	1T	Pop Cat 11 Cd:	1
Facility Name:	SPRING	Pop Cat 2:	<10,000
EPA Region Code:	09	Pop Cat 2 Cd:	1
EPA Region:	Region 9	Pop Cat 3:	<=3300
Season Begin Date:	01-01	Pop Cat 3 Cd:	1
Season End Date:	12-31	Pop Cat 4:	<10K
Deactivation Date:	01-NOV-93	Pop Cat 4 Cd:	1
Fac Deactvtn Dt:	01-NOV-93	Pop Cat 5:	<=500
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	1
Last Rptd Date:	24-JUL-95	ORG Name:	-
Primacy Agency:	California	Admin Name:	USFS ANGELES NF
Is Source Ind:	No	Phone No:	-
Facility Type Cd:	TP	Phone Ext No:	-
Facility Type Desc:	Treatment Plant	Alt Phone No:	-
Activity Status Cd:	I	Fax No:	-
Activity Status:	Inactive	Email Addr:	-
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	I	Fac Activity:	Inactive
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	GW	GW or SS:	Groundwater
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	F	Owner Type:	Federal government
PWS Type Code:	TNCWS	PWS Type:	Transient non-community system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	GW	Primary Srce:	Ground water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	25
Is Grant Eligible:	No	Srv Cnctn Cnt:	0
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Slr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	No	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qtr:	2016Q1		

--Details--

Treatment ID:	11
Treatment Process Code:	461
Treatment Process:	Chlorination (FRDS-1.5)
Treatment Objective Code:	D

Wells and Additional Sources Detail Report

Treatment Objective: Disinfection
 Treatment Plant City: -
 Treatment Plant State: -
 Treatment Plant Addr 1: -
 Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: -

Treatment ID: 4
 Treatment Process Code: 348
 Treatment Process: Filtered
 Treatment Objective Code: P
 Treatment Objective: Particulate removal
 Treatment Plant City: -
 Treatment Plant State: -
 Treatment Plant Addr 1: -
 Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: -

Treatment ID: 5
 Treatment Process Code: 473
 Treatment Process: Converted (FRDS-1.5)
 Treatment Objective Code: C
 Treatment Objective: Corrosion control
 Treatment Plant City: -
 Treatment Plant State: -
 Treatment Plant Addr 1: -
 Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910124	Pop Cat 11:	100,001-250,000
Facility ID:	28	Pop Cat 11 Cd:	8
Facility Name:	BANGHAM	Pop Cat 2:	10,000+
EPA Region Code:	09	Pop Cat 2 Cd:	2
EPA Region:	Region 9	Pop Cat 3:	3,301-50,000
Season Begin Date:	-	Pop Cat 3 Cd:	3
Season End Date:	-	Pop Cat 4:	100K+
Deactivation Date:	-	Pop Cat 4 Cd:	4
Fac Deactivtn Dt:	-	Pop Cat 5:	>100,000
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	5
Last Rptd Date:	18-DEC-13	ORG Name:	KWAN, SHAN

Wells and Additional Sources Detail Report

Primacy Agency:	California	Admin Name:	KWAN, SHAN
Is Source Ind:	Yes	Phone No:	626-744-4416
Facility Type Cd:	WL	Phone Ext No:	-
Facility Type Desc:	Well	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	626-744-4670
Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NET
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	L	Owner Type:	Local government
PWS Type Code:	CWS	PWS Type:	Community water system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	SW	Primary Srce:	Surface water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Unreported
Subms Sts Cd Vio:	U	Pop Srvd Cnt:	161,259
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	37355
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Slr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	U	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	4
Submission Year:	2013	Validity Ind:	No
Submission Yr Qtr:	2013Q4		

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-
Treatment Objective Code:	-
Treatment Objective:	-
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
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Wells and Additional Sources Detail Report

2	NE	0.48	2,539.22	830.34	SDWIS
PWS ID:	CA1910124	Pop Cat 11:	100,001-250,000		
Facility ID:	38	Pop Cat 11 Cd:	8		
Facility Name:	CHAPMAN - CHLORINATION	Pop Cat 2:	10,000+		
EPA Region Code:	09	Pop Cat 2 Cd:	2		
EPA Region:	Region 9	Pop Cat 3:	3,301-50,000		
Season Begin Date:	-	Pop Cat 3 Cd:	3		
Season End Date:	-	Pop Cat 4:	100K+		
Deactivation Date:	-	Pop Cat 4 Cd:	4		
Fac Deactvtn Dt:	-	Pop Cat 5:	>100,000		
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	5		
Last Rptd Date:	18-DEC-13	ORG Name:	KWAN, SHAN		
Primacy Agency:	California	Admin Name:	KWAN, SHAN		
Is Source Ind:	No	Phone No:	626-744-4416		
Facility Type Cd:	TP	Phone Ext No:	-		
Facility Type Desc:	Treatment Plant	Alt Phone No:	-		
Activity Status Cd:	A	Fax No:	626-744-4670		
Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NE T		
Availability Code:	P	Avlblty Desc:	Permanent		
Water Type Code:	-	Wtr Tp Desc:	-		
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-		
Facility Activity Cd:	A	Fac Activity:	Active		
Filtrtn Status Cd:	-	Filt Stat Desc:	-		
GW or SW Code:	SW	GW or SS:	Surface water		
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-		
Owner Type Code:	L	Owner Type:	Local government		
PWS Type Code:	CWS	PWS Type:	Community water system		
Primcy Agency Cd:	CA	Primacy Type:	State		
Primary Source Cd:	SW	Primary Srce:	Surface water		
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-		
Submsn Status Cd:	Y	Sub Stat Dsc:	Unreported		
Subms Sts Cd Vio:	U	Pop Srvd Cnt:	161,259		
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	37355		
Outstndng Perfrm:	-	Seller PWSID:	-		
Outstndng Perf Dt:	-	Slr PWS Nm:	-		
Schl or Dycare:	No	CDS ID:	-		
Source Treated Ind:	-	Country Code:	US		
Src Wtr Protected:	-	Cntry Nm BTP:	-		
Src Wtr Prot Dt:	-	State Code:	CA		
NPM Candidate:	Yes	State Fac ID:	-		
Is Wholesaler:	No	Sub Quarter:	4		
Submission Year:	2013	Validity Ind:	No		
Submission Yr Qtr:	2013Q4				

--Details--

Wells and Additional Sources Detail Report

Treatment ID: 1
 Treatment Process Code: 401
 Treatment Process: Gaseous Chlorination, Post
 Treatment Objective Code: D
 Treatment Objective: Disinfection
 Treatment Plant City: -
 Treatment Plant State: -
 Treatment Plant Addr 1: -
 Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910124	Pop Cat 11:	100,001-250,000
Facility ID:	37	Pop Cat 11 Cd:	8
Facility Name:	MWD CONNECTION, P-5 - TREATED	Pop Cat 2:	10,000+
EPA Region Code:	09	Pop Cat 2 Cd:	2
EPA Region:	Region 9	Pop Cat 3:	3,301-50,000
Season Begin Date:	-	Pop Cat 3 Cd:	3
Season End Date:	-	Pop Cat 4:	100K+
Deactivation Date:	-	Pop Cat 4 Cd:	4
Fac Deactvtn Dt:	-	Pop Cat 5:	>100,000
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	5
Last Rptd Date:	18-DEC-13	ORG Name:	KWAN, SHAN
Primacy Agency:	California	Admin Name:	KWAN, SHAN
Is Source Ind:	Yes	Phone No:	626-744-4416
Facility Type Cd:	CC	Phone Ext No:	-
Facility Type Desc:	Consecutive Connection	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	626-744-4670
Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NET
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	SW	Wtr Tp Desc:	Surface water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	L	Owner Type:	Local government
PWS Type Code:	CWS	PWS Type:	Community water system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	SW	Primary Srce:	Surface water
Seller Treatmnt Cd:	U	Seller Trt Dsc:	Unknown
Submsn Status Cd:	Y	Sub Stat Dsc:	Unreported

Wells and Additional Sources Detail Report

Subms Sts Cd Vio: U	Pop Srvd Cnt: 161,259
Is Grant Eligible: Yes	Srv Cnctn Cnt: 37355
Outstndng Perfrm: -	Seller PWSID: CA1910087
Outstndng Perf Dt: -	Sllr PWS Nm: -
Schl or Dycare: No	CDS ID: -
Source Treated Ind: U	Country Code: US
Src Wtr Protected: -	Cntry Nm BTP: -
Src Wtr Prot Dt: -	State Code: CA
NPM Candidate: Yes	State Fac ID: -
Is Wholesaler: No	Sub Quarter: 4
Submission Year: 2013	Validity Ind: No
Submission Yr Qtr: 2013Q4	

--Details--

Treatment ID: -

Treatment Process Code: -

Treatment Process: -

Treatment Objective Code: -

Treatment Objective: -

Treatment Plant City: -

Treatment Plant State: -

Treatment Plant Addr 1: -

Treatment Plant Addr 2: -

Treatment Plant Zip Code: -

Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID: CA1910448	Pop Cat 11: <=100
Facility ID: 1	Pop Cat 11 Cd: 1
Facility Name: LAKE	Pop Cat 2: <10,000
EPA Region Code: 09	Pop Cat 2 Cd: 1
EPA Region: Region 9	Pop Cat 3: <=3300
Season Begin Date: 01-01	Pop Cat 3 Cd: 1
Season End Date: 12-31	Pop Cat 4: <10K
Deactivation Date: 01-NOV-93	Pop Cat 4 Cd: 1
Fac Deactvtn Dt: 01-NOV-93	Pop Cat 5: <=500
First Rptd Dt: 22-MAR-79	Pop Cat 5 Cd: 1
Last Rptd Date: 24-JUL-95	ORG Name: -
Primacy Agency: California	Admin Name: USFS ANGELES NF
Is Source Ind: Yes	Phone No: -
Facility Type Cd: IN	Phone Ext No: -
Facility Type Desc: Intake	Alt Phone No: -
Activity Status Cd: I	Fax No: -
Activity Status: Inactive	Email Addr: -

Wells and Additional Sources Detail Report

Availability Code: P	Avlblty Desc: Permanent
Water Type Code: SW	Wtr Tp Desc: Surface water
DBPR Schd Ctg Cd: -	DBPR Schd Ctg: -
Facility Activity Cd: I	Fac Activity: Inactive
Filtrtn Status Cd: -	Filt Stat Desc: -
GW or SW Code: SW	GW or SS: Surface water
LT2 Sch Ctgry Cd: -	LT2 Sched Ctg: -
Owner Type Code: F	Owner Type: Federal government
PWS Type Code: TNCWS	PWS Type: Transient non-community system
Primcy Agency Cd: CA	Primacy Type: State
Primary Source Cd: SW	Primary Srce: Surface water
Seller Treatmnt Cd: -	Seller Trt Dsc: -
Submsn Status Cd: Y	Sub Stat Dsc: Reported and accepted
Subms Sts Cd Vio: Y	Pop Srvd Cnt: 25
Is Grant Eligible: No	Srv Cnctn Cnt: 0
Outstndng Perfrm: -	Seller PWSID: -
Outstndng Perf Dt: -	Sllr PWS Nm: -
Schl or Dycare: No	CDS ID: -
Source Treated Ind: Y	Country Code: US
Src Wtr Protected: -	Cntry Nm BTP: -
Src Wtr Prot Dt: -	State Code: CA
NPM Candidate: No	State Fac ID: -
Is Wholesaler: No	Sub Quarter: 1
Submission Year: 2016	Validity Ind: Yes
Submission Yr Qtr: 2016Q1	

--Details--

Treatment ID: -

Treatment Process Code: -

Treatment Process: -

Treatment Objective Code: -

Treatment Objective: -

Treatment Plant City: -

Treatment Plant State: -

Treatment Plant Addr 1: -

Treatment Plant Addr 2: -

Treatment Plant Zip Code: -

Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID: CA1910407	Pop Cat 11: <=100
Facility ID: 1T	Pop Cat 11 Cd: 1
Facility Name: STREAM	Pop Cat 2: <10,000
EPA Region Code: 09	Pop Cat 2 Cd: 1

Wells and Additional Sources Detail Report

EPA Region:	Region 9	Pop Cat 3:	<=3300
Season Begin Date:	01-01	Pop Cat 3 Cd:	1
Season End Date:	12-31	Pop Cat 4:	<10K
Deactivation Date:	01-NOV-93	Pop Cat 4 Cd:	1
Fac Deactvtn Dt:	01-NOV-93	Pop Cat 5:	<=500
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	1
Last Rptd Date:	24-JUL-95	ORG Name:	-
Primacy Agency:	California	Admin Name:	USFS ANGELES NF
Is Source Ind:	No	Phone No:	-
Facility Type Cd:	TP	Phone Ext No:	-
Facility Type Desc:	Treatment Plant	Alt Phone No:	-
Activity Status Cd:	I	Fax No:	-
Activity Status:	Inactive	Email Addr:	-
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	SW	Wtr Tp Desc:	Surface water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	I	Fac Activity:	Inactive
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	F	Owner Type:	Federal government
PWS Type Code:	TNCWS	PWS Type:	Transient non-community system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	SW	Primary Srce:	Surface water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	25
Is Grant Eligible:	No	Srv Cnctn Cnt:	0
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Slr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	No	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qtr:	2016Q1		

--Details--

Treatment ID:	5
Treatment Process Code:	473
Treatment Process:	Converted (FRDS-1.5)
Treatment Objective Code:	C
Treatment Objective:	Corrosion control
Treatment Plant City:	-
Treatment Plant State:	-

Wells and Additional Sources Detail Report

Treatment Plant Addr 1: -
 Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: -

Treatment ID: 11
 Treatment Process Code: 461
 Treatment Process: Chlorination (FRDS-1.5)
 Treatment Objective Code: D
 Treatment Objective: Disinfection
 Treatment Plant City: -
 Treatment Plant State: -
 Treatment Plant Addr 1: -
 Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: -

Treatment ID: 4
 Treatment Process Code: 348
 Treatment Process: Filtered
 Treatment Objective Code: P
 Treatment Objective: Particulate removal
 Treatment Plant City: -
 Treatment Plant State: -
 Treatment Plant Addr 1: -
 Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910124	Pop Cat 11:	100,001-250,000
Facility ID:	CA1910124034	Pop Cat 11 Cd:	8
Facility Name:	MWD CONNECTION, P-2 - TREATED	Pop Cat 2:	10,000+
EPA Region Code:	09	Pop Cat 2 Cd:	2
EPA Region:	Region 9	Pop Cat 3:	3,301-50,000
Season Begin Date:	-	Pop Cat 3 Cd:	3
Season End Date:	-	Pop Cat 4:	100K+
Deactivation Date:	-	Pop Cat 4 Cd:	4
Fac Deactvtn Dt:	-	Pop Cat 5:	>100,000
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	5
Last Rptd Date:	18-DEC-13	ORG Name:	KWAN, SHAN
Primacy Agency:	California	Admin Name:	KWAN, SHAN
Is Source Ind:	Yes	Phone No:	626-744-4416

Wells and Additional Sources Detail Report

Facility Type Cd:	CC	Phone Ext No:	-
Facility Type Desc:	Consecutive Connection	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	626-744-4670
Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NET
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	SW	Wtr Tp Desc:	Surface water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgy Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	L	Owner Type:	Local government
PWS Type Code:	CWS	PWS Type:	Community water system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	SW	Primary Srce:	Surface water
Seller Treatmnt Cd:	N	Seller Trt Dsc:	Not treated
Submsn Status Cd:	Y	Sub Stat Dsc:	Unreported
Subms Sts Cd Vio:	U	Pop Srvd Cnt:	161,259
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	37355
Outstndng Perfrm:	-	Seller PWSID:	CA1910087
Outstndng Perf Dt:	-	Sllr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	4
Submission Year:	2013	Validity Ind:	No
Submission Yr Qtr:	2013Q4		

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-
Treatment Objective Code:	-
Treatment Objective:	-
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

Wells and Additional Sources Detail Report

PWS ID:	CA1910124	Pop Cat 11:	100,001-250,000
Facility ID:	CA1910124032	Pop Cat 11 Cd:	8
Facility Name:	VILLA-GARFIELD-FLUORIDE BLEND-DESTROYED	Pop Cat 2:	10,000+
EPA Region Code:	09	Pop Cat 2 Cd:	2
EPA Region:	Region 9	Pop Cat 3:	3,301-50,000
Season Begin Date:	-	Pop Cat 3 Cd:	3
Season End Date:	-	Pop Cat 4:	100K+
Deactivation Date:	-	Pop Cat 4 Cd:	4
Fac Deactvtn Dt:	01-JAN-01	Pop Cat 5:	>100,000
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	5
Last Rptd Date:	01-APR-16	ORG Name:	KWAN, SHAN
Primacy Agency:	California	Admin Name:	KWAN, SHAN
Is Source Ind:	Yes	Phone No:	626-744-4416
Facility Type Cd:	WL	Phone Ext No:	-
Facility Type Desc:	Well	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	626-744-4670
Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NE T
Availability Code:	O	Avlblty Desc:	Other
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	I	Fac Activity:	Inactive
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgr Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	L	Owner Type:	Local government
PWS Type Code:	CWS	PWS Type:	Community water system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	SWP	Primary Srce:	Surface water purchased
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	165,740
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	36314
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Slr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qtr:	2016Q1		

--Details--

Treatment ID: -
Treatment Process Code: -

Wells and Additional Sources Detail Report

Treatment Process: -
 Treatment Objective Code: -
 Treatment Objective: -
 Treatment Plant City: -
 Treatment Plant State: -
 Treatment Plant Addr 1: -
 Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910124	Pop Cat 11:	100,001-250,000
Facility ID:	13	Pop Cat 11 Cd:	8
Facility Name:	MILLARD CANYON STREAM - RAW - ABANDONED	Pop Cat 2:	10,000+
EPA Region Code:	09	Pop Cat 2 Cd:	2
EPA Region:	Region 9	Pop Cat 3:	3,301-50,000
Season Begin Date:	-	Pop Cat 3 Cd:	3
Season End Date:	-	Pop Cat 4:	100K+
Deactivation Date:	-	Pop Cat 4 Cd:	4
Fac Deactvtn Dt:	-	Pop Cat 5:	>100,000
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	5
Last Rptd Date:	18-DEC-13	ORG Name:	KWAN, SHAN
Primacy Agency:	California	Admin Name:	KWAN, SHAN
Is Source Ind:	Yes	Phone No:	626-744-4416
Facility Type Cd:	IN	Phone Ext No:	-
Facility Type Desc:	Intake	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	626-744-4670
Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NET
Availability Code:	O	Avlblty Desc:	Other
Water Type Code:	SW	Wtr Tp Desc:	Surface water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	L	Owner Type:	Local government
PWS Type Code:	CWS	PWS Type:	Community water system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	SW	Primary Srce:	Surface water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Unreported
Subms Sts Cd Vio:	U	Pop Srvd Cnt:	161,259
Is Grant Eligible:	Yes	Svc Cnctn Cnt:	37355

Wells and Additional Sources Detail Report

Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Sllr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	U	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	4
Submission Year:	2013	Validity Ind:	No
Submission Yr Qtr:	2013Q4		

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-
Treatment Objective Code:	-
Treatment Objective:	-
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910124	Pop Cat 11:	100,001-250,000
Facility ID:	21	Pop Cat 11 Cd:	8
Facility Name:	WELL 52	Pop Cat 2:	10,000+
EPA Region Code:	09	Pop Cat 2 Cd:	2
EPA Region:	Region 9	Pop Cat 3:	3,301-50,000
Season Begin Date:	-	Pop Cat 3 Cd:	3
Season End Date:	-	Pop Cat 4:	100K+
Deactivation Date:	-	Pop Cat 4 Cd:	4
Fac Deactvtn Dt:	-	Pop Cat 5:	>100,000
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	5
Last Rptd Date:	18-DEC-13	ORG Name:	KWAN, SHAN
Primacy Agency:	California	Admin Name:	KWAN, SHAN
Is Source Ind:	Yes	Phone No:	626-744-4416
Facility Type Cd:	WL	Phone Ext No:	-
Facility Type Desc:	Well	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	626-744-4670
Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NET
Availability Code:	P	Avlbty Desc:	Permanent
Water Type Code:	GW	Wtr Tp Desc:	Ground water

Wells and Additional Sources Detail Report

DBPR Schd Ctg Cd: -	DBPR Schd Ctg: -
Facility Activity Cd: A	Fac Activity: Active
Filtrtn Status Cd: -	Filt Stat Desc: -
GW or SW Code: SW	GW or SS: Surface water
LT2 Sch Ctgry Cd: -	LT2 Sched Ctg: -
Owner Type Code: L	Owner Type: Local government
PWS Type Code: CWS	PWS Type: Community water system
Primcy Agency Cd: CA	Primacy Type: State
Primary Source Cd: SW	Primary Srce: Surface water
Seller Treatmnt Cd: -	Seller Trt Dsc: -
Submsn Status Cd: Y	Sub Stat Dsc: Unreported
Subms Sts Cd Vio: U	Pop Srvd Cnt: 161,259
Is Grant Eligible: Yes	Srv Cnctn Cnt: 37355
Outstndng Perfrm: -	Seller PWSID: -
Outstndng Perf Dt: -	Sllr PWS Nm: -
Schl or Dycare: No	CDS ID: -
Source Treated Ind: U	Country Code: US
Src Wtr Protected: -	Cntry Nm BTP: -
Src Wtr Prot Dt: -	State Code: CA
NPM Candidate: Yes	State Fac ID: -
Is Wholesaler: No	Sub Quarter: 4
Submission Year: 2013	Validity Ind: No
Submission Yr Qtr: 2013Q4	

--Details--

Treatment ID: -

Treatment Process Code: -

Treatment Process: -

Treatment Objective Code: -

Treatment Objective: -

Treatment Plant City: -

Treatment Plant State: -

Treatment Plant Addr 1: -

Treatment Plant Addr 2: -

Treatment Plant Zip Code: -

Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID: CA1910124	Pop Cat 11: 100,001-250,000
Facility ID: CA1910124021	Pop Cat 11 Cd: 8
Facility Name: WELL 52	Pop Cat 2: 10,000+
EPA Region Code: 09	Pop Cat 2 Cd: 2
EPA Region: Region 9	Pop Cat 3: 3,301-50,000
Season Begin Date: -	Pop Cat 3 Cd: 3

Wells and Additional Sources Detail Report

Season End Date:	-	Pop Cat 4:	100K+
Deactivation Date:	-	Pop Cat 4 Cd:	4
Fac Deactvtn Dt:	-	Pop Cat 5:	>100,000
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	5
Last Rptd Date:	18-DEC-13	ORG Name:	KWAN, SHAN
Primacy Agency:	California	Admin Name:	KWAN, SHAN
Is Source Ind:	Yes	Phone No:	626-744-4416
Facility Type Cd:	WL	Phone Ext No:	-
Facility Type Desc:	Well	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	626-744-4670
Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NET
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	L	Owner Type:	Local government
PWS Type Code:	CWS	PWS Type:	Community water system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	SW	Primary Srce:	Surface water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Unreported
Subms Sts Cd Vio:	U	Pop Srvd Cnt:	161,259
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	37355
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Slir PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	4
Submission Year:	2013	Validity Ind:	No
Submission Yr Qtr:	2013Q4		

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-
Treatment Objective Code:	-
Treatment Objective:	-
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-

Wells and Additional Sources Detail Report

Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910403	Pop Cat 11:	<=100
Facility ID:	1T	Pop Cat 11 Cd:	1
Facility Name:	WELL	Pop Cat 2:	<10,000
EPA Region Code:	09	Pop Cat 2 Cd:	1
EPA Region:	Region 9	Pop Cat 3:	<=3300
Season Begin Date:	01-01	Pop Cat 3 Cd:	1
Season End Date:	12-31	Pop Cat 4:	<10K
Deactivation Date:	01-NOV-93	Pop Cat 4 Cd:	1
Fac Deactivtn Dt:	01-NOV-93	Pop Cat 5:	<=500
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	1
Last Rptd Date:	24-JUL-95	ORG Name:	-
Primacy Agency:	California	Admin Name:	USFS ANGELES NF
Is Source Ind:	No	Phone No:	-
Facility Type Cd:	TP	Phone Ext No:	-
Facility Type Desc:	Treatment Plant	Alt Phone No:	-
Activity Status Cd:	I	Fax No:	-
Activity Status:	Inactive	Email Addr:	-
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	I	Fac Activity:	Inactive
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	GW	GW or SS:	Groundwater
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	F	Owner Type:	Federal government
PWS Type Code:	TNCWS	PWS Type:	Transient non-community system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	GW	Primary Srce:	Ground water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	25
Is Grant Eligible:	No	Srv Cnctn Cnt:	0
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Slr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	No	State Fac ID:	-

Wells and Additional Sources Detail Report

Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qtr:	2016Q1		

--Details--

Treatment ID:	4
Treatment Process Code:	348
Treatment Process:	Filtered
Treatment Objective Code:	P
Treatment Objective:	Particulate removal
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Treatment ID:	11
Treatment Process Code:	461
Treatment Process:	Chlorination (FRDS-1.5)
Treatment Objective Code:	D
Treatment Objective:	Disinfection
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Treatment ID:	5
Treatment Process Code:	473
Treatment Process:	Converted (FRDS-1.5)
Treatment Objective Code:	C
Treatment Objective:	Corrosion control
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910417	Pop Cat 11:	<=100
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Wells and Additional Sources Detail Report

Facility ID:	1T	Pop Cat 11 Cd:	1
Facility Name:	SPRING	Pop Cat 2:	<10,000
EPA Region Code:	09	Pop Cat 2 Cd:	1
EPA Region:	Region 9	Pop Cat 3:	<=3300
Season Begin Date:	01-01	Pop Cat 3 Cd:	1
Season End Date:	12-31	Pop Cat 4:	<10K
Deactivation Date:	01-NOV-93	Pop Cat 4 Cd:	1
Fac Deactvtn Dt:	01-NOV-93	Pop Cat 5:	<=500
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	1
Last Rptd Date:	24-JUL-95	ORG Name:	-
Primacy Agency:	California	Admin Name:	USFS ANGELES NF
Is Source Ind:	No	Phone No:	-
Facility Type Cd:	TP	Phone Ext No:	-
Facility Type Desc:	Treatment Plant	Alt Phone No:	-
Activity Status Cd:	I	Fax No:	-
Activity Status:	Inactive	Email Addr:	-
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	I	Fac Activity:	Inactive
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	GW	GW or SS:	Groundwater
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	F	Owner Type:	Federal government
PWS Type Code:	TNCWS	PWS Type:	Transient non-community system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	GW	Primary Srce:	Ground water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	25
Is Grant Eligible:	No	Srv Cnctn Cnt:	0
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Slr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	No	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qtr:	2016Q1		

--Details--

Treatment ID:	5
Treatment Process Code:	473
Treatment Process:	Converted (FRDS-1.5)
Treatment Objective Code:	C

Wells and Additional Sources Detail Report

Treatment Objective:	Corrosion control
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-
Treatment ID:	11
Treatment Process Code:	461
Treatment Process:	Chlorination (FRDS-1.5)
Treatment Objective Code:	D
Treatment Objective:	Disinfection
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-
Treatment ID:	4
Treatment Process Code:	348
Treatment Process:	Filtered
Treatment Objective Code:	P
Treatment Objective:	Particulate removal
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910124	Pop Cat 11:	100,001-250,000
Facility ID:	18274	Pop Cat 11 Cd:	8
Facility Name:	POST - DESTROYED	Pop Cat 2:	10,000+
EPA Region Code:	09	Pop Cat 2 Cd:	2
EPA Region:	Region 9	Pop Cat 3:	3,301-50,000
Season Begin Date:	-	Pop Cat 3 Cd:	3
Season End Date:	-	Pop Cat 4:	100K+
Deactivation Date:	-	Pop Cat 4 Cd:	4
Fac Deactivtn Dt:	01-JUL-95	Pop Cat 5:	>100,000
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	5
Last Rptd Date:	01-APR-16	ORG Name:	KWAN, SHAN

Wells and Additional Sources Detail Report

Primacy Agency:	California	Admin Name:	KWAN, SHAN
Is Source Ind:	Yes	Phone No:	626-744-4416
Facility Type Cd:	WL	Phone Ext No:	-
Facility Type Desc:	Well	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	626-744-4670
Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NET
Availability Code:	O	Avlblty Desc:	Other
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	I	Fac Activity:	Inactive
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	L	Owner Type:	Local government
PWS Type Code:	CWS	PWS Type:	Community water system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	SWP	Primary Srce:	Surface water purchased
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	165,740
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	36314
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Slr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	016
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qtr:	2016Q1		

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-
Treatment Objective Code:	-
Treatment Objective:	-
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
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Wells and Additional Sources Detail Report

2	NE	0.48	2,539.22	830.34	SDWIS
PWS ID:	CA1910454	Pop Cat 11:	<=100		
Facility ID:	1	Pop Cat 11 Cd:	1		
Facility Name:	WELL	Pop Cat 2:	<10,000		
EPA Region Code:	09	Pop Cat 2 Cd:	1		
EPA Region:	Region 9	Pop Cat 3:	<=3300		
Season Begin Date:	01-01	Pop Cat 3 Cd:	1		
Season End Date:	12-31	Pop Cat 4:	<10K		
Deactivation Date:	01-NOV-93	Pop Cat 4 Cd:	1		
Fac Deactivtn Dt:	01-NOV-93	Pop Cat 5:	<=500		
First Rptd Dt:	27-JAN-83	Pop Cat 5 Cd:	1		
Last Rptd Date:	24-JUL-95	ORG Name:	-		
Primacy Agency:	California	Admin Name:	USFS ANGELES NF		
Is Source Ind:	Yes	Phone No:	-		
Facility Type Cd:	WL	Phone Ext No:	-		
Facility Type Desc:	Well	Alt Phone No:	-		
Activity Status Cd:	I	Fax No:	-		
Activity Status:	Inactive	Email Addr:	-		
Availability Code:	P	Avlblty Desc:	Permanent		
Water Type Code:	GW	Wtr Tp Desc:	Ground water		
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-		
Facility Activity Cd:	I	Fac Activity:	Inactive		
Filtrtn Status Cd:	-	Filt Stat Desc:	-		
GW or SW Code:	GW	GW or SS:	Groundwater		
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-		
Owner Type Code:	F	Owner Type:	Federal government		
PWS Type Code:	TNCWS	PWS Type:	Transient non-community system		
Primcy Agency Cd:	CA	Primacy Type:	State		
Primary Source Cd:	GW	Primary Srce:	Ground water		
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-		
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted		
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	25		
Is Grant Eligible:	No	Srv Cnctn Cnt:	0		
Outstndng Perfrm:	-	Seller PWSID:	-		
Outstndng Perf Dt:	-	Slr PWS Nm:	-		
Schl or Dycare:	No	CDS ID:	-		
Source Treated Ind:	Y	Country Code:	US		
Src Wtr Protected:	-	Cntry Nm BTP:	-		
Src Wtr Prot Dt:	-	State Code:	CA		
NPM Candidate:	No	State Fac ID:	-		
Is Wholesaler:	No	Sub Quarter:	1		
Submission Year:	2016	Validity Ind:	Yes		
Submission Yr Qtr:	2016Q1				

--Details--

Treatment ID: -

Wells and Additional Sources Detail Report

Treatment Process Code: -
 Treatment Process: -
 Treatment Objective Code: -
 Treatment Objective: -
 Treatment Plant City: -
 Treatment Plant State: -
 Treatment Plant Addr 1: -
 Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910414	Pop Cat 11:	<=100
Facility ID:	1	Pop Cat 11 Cd:	1
Facility Name:	STREAM	Pop Cat 2:	<10,000
EPA Region Code:	09	Pop Cat 2 Cd:	1
EPA Region:	Region 9	Pop Cat 3:	<=3300
Season Begin Date:	01-01	Pop Cat 3 Cd:	1
Season End Date:	12-31	Pop Cat 4:	<10K
Deactivation Date:	01-NOV-93	Pop Cat 4 Cd:	1
Fac Deactivtn Dt:	01-NOV-93	Pop Cat 5:	<=500
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	1
Last Rptd Date:	24-JUL-95	ORG Name:	-
Primacy Agency:	California	Admin Name:	USFS ANGELES NF
Is Source Ind:	Yes	Phone No:	-
Facility Type Cd:	IN	Phone Ext No:	-
Facility Type Desc:	Intake	Alt Phone No:	-
Activity Status Cd:	I	Fax No:	-
Activity Status:	Inactive	Email Addr:	-
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	SW	Wtr Tp Desc:	Surface water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	I	Fac Activity:	Inactive
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	F	Owner Type:	Federal government
PWS Type Code:	TNCWS	PWS Type:	Transient non-community system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	SW	Primary Srce:	Surface water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	25
Is Grant Eligible:	No	Srv Cnctn Cnt:	0

Wells and Additional Sources Detail Report

Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Slr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	Y	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	No	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qtr:	2016Q1		

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-
Treatment Objective Code:	-
Treatment Objective:	-
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910441	Pop Cat 11:	<=100
Facility ID:	1	Pop Cat 11 Cd:	1
Facility Name:	SPRING	Pop Cat 2:	<10,000
EPA Region Code:	09	Pop Cat 2 Cd:	1
EPA Region:	Region 9	Pop Cat 3:	<=3300
Season Begin Date:	01-01	Pop Cat 3 Cd:	1
Season End Date:	12-31	Pop Cat 4:	<10K
Deactivation Date:	01-NOV-93	Pop Cat 4 Cd:	1
Fac Deactvtn Dt:	01-NOV-93	Pop Cat 5:	<=500
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	1
Last Rptd Date:	24-JUL-95	ORG Name:	-
Primacy Agency:	California	Admin Name:	USFS ANGELES NF
Is Source Ind:	Yes	Phone No:	-
Facility Type Cd:	WL	Phone Ext No:	-
Facility Type Desc:	Well	Alt Phone No:	-
Activity Status Cd:	I	Fax No:	-
Activity Status:	Inactive	Email Addr:	-
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	GW	Wtr Tp Desc:	Ground water

Wells and Additional Sources Detail Report

DBPR Schd Ctg Cd: -	DBPR Schd Ctg: -
Facility Activity Cd: I	Fac Activity: Inactive
Filtrtn Status Cd: -	Filt Stat Desc: -
GW or SW Code: GW	GW or SS: Groundwater
LT2 Sch Ctgry Cd: -	LT2 Sched Ctg: -
Owner Type Code: F	Owner Type: Federal government
PWS Type Code: TNCWS	PWS Type: Transient non-community system
Primcy Agency Cd: CA	Primacy Type: State
Primary Source Cd: GW	Primary Srce: Ground water
Seller Treatmnt Cd: -	Seller Trt Dsc: -
Submsn Status Cd: Y	Sub Stat Dsc: Reported and accepted
Subms Sts Cd Vio: Y	Pop Srvd Cnt: 25
Is Grant Eligible: No	Srv Cnctn Cnt: 0
Outstndng Perfrm: -	Seller PWSID: -
Outstndng Perf Dt: -	Sllr PWS Nm: -
Schl or Dycare: No	CDS ID: -
Source Treated Ind: Y	Country Code: US
Src Wtr Protected: -	Cntry Nm BTP: -
Src Wtr Prot Dt: -	State Code: CA
NPM Candidate: No	State Fac ID: -
Is Wholesaler: No	Sub Quarter: 1
Submission Year: 2016	Validity Ind: Yes
Submission Yr Qtr: 2016Q1	

--Details--

Treatment ID: -

Treatment Process Code: -

Treatment Process: -

Treatment Objective Code: -

Treatment Objective: -

Treatment Plant City: -

Treatment Plant State: -

Treatment Plant Addr 1: -

Treatment Plant Addr 2: -

Treatment Plant Zip Code: -

Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID: CA1910414	Pop Cat 11: <=100
Facility ID: 1T	Pop Cat 11 Cd: 1
Facility Name: STREAM	Pop Cat 2: <10,000
EPA Region Code: 09	Pop Cat 2 Cd: 1
EPA Region: Region 9	Pop Cat 3: <=3300
Season Begin Date: 01-01	Pop Cat 3 Cd: 1

Wells and Additional Sources Detail Report

Season End Date:	12-31	Pop Cat 4:	<10K
Deactivation Date:	01-NOV-93	Pop Cat 4 Cd:	1
Fac Deactvtn Dt:	01-NOV-93	Pop Cat 5:	<=500
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	1
Last Rptd Date:	24-JUL-95	ORG Name:	-
Primacy Agency:	California	Admin Name:	USFS ANGELES NF
Is Source Ind:	No	Phone No:	-
Facility Type Cd:	TP	Phone Ext No:	-
Facility Type Desc:	Treatment Plant	Alt Phone No:	-
Activity Status Cd:	I	Fax No:	-
Activity Status:	Inactive	Email Addr:	-
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	SW	Wtr Tp Desc:	Surface water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	I	Fac Activity:	Inactive
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	F	Owner Type:	Federal government
PWS Type Code:	TNCWS	PWS Type:	Transient non-community system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	SW	Primary Srce:	Surface water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	25
Is Grant Eligible:	No	Srv Cnctn Cnt:	0
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Slr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	No	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qtr:	2016Q1		

--Details--

Treatment ID:	11
Treatment Process Code:	461
Treatment Process:	Chlorination (FRDS-1.5)
Treatment Objective Code:	D
Treatment Objective:	Disinfection
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-

Wells and Additional Sources Detail Report

Treatment Plant Zip Code: -
 Treatment Comments: -

 Treatment ID: 4
 Treatment Process Code: 348
 Treatment Process: Filtered
 Treatment Objective Code: P
 Treatment Objective: Particulate removal
 Treatment Plant City: -
 Treatment Plant State: -
 Treatment Plant Addr 1: -
 Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: -

Treatment ID: 5
 Treatment Process Code: 473
 Treatment Process: Converted (FRDS-1.5)
 Treatment Objective Code: C
 Treatment Objective: Corrosion control
 Treatment Plant City: -
 Treatment Plant State: -
 Treatment Plant Addr 1: -
 Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910124	Pop Cat 11:	100,001-250,000
Facility ID:	28396	Pop Cat 11 Cd:	8
Facility Name:	ATLANTA - MONITORING SITE	Pop Cat 2:	10,000+
EPA Region Code:	09	Pop Cat 2 Cd:	2
EPA Region:	Region 9	Pop Cat 3:	3,301-50,000
Season Begin Date:	-	Pop Cat 3 Cd:	3
Season End Date:	-	Pop Cat 4:	100K+
Deactivation Date:	-	Pop Cat 4 Cd:	4
Fac Deactvtn Dt:	-	Pop Cat 5:	>100,000
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	5
Last Rptd Date:	01-APR-16	ORG Name:	KWAN, SHAN
Primacy Agency:	California	Admin Name:	KWAN, SHAN
Is Source Ind:	No	Phone No:	626-744-4416
Facility Type Cd:	SS	Phone Ext No:	-
Facility Type Desc:	Sampling Station	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	626-744-4670

Wells and Additional Sources Detail Report

Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NET
Availability Code:	-	Avlblty Desc:	-
Water Type Code:	-	Wtr Tp Desc:	-
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	L	Owner Type:	Local government
PWS Type Code:	CWS	PWS Type:	Community water system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	SWP	Primary Srce:	Surface water purchased
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	165,740
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	36314
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Slr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	003
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qtr:	2016Q1		

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-
Treatment Objective Code:	-
Treatment Objective:	-
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910417	Pop Cat 11:	<=100
Facility ID:	1	Pop Cat 11 Cd:	1
Facility Name:	SPRING	Pop Cat 2:	<10,000

Wells and Additional Sources Detail Report

EPA Region Code:	09	Pop Cat 2 Cd:	1
EPA Region:	Region 9	Pop Cat 3:	<=3300
Season Begin Date:	01-01	Pop Cat 3 Cd:	1
Season End Date:	12-31	Pop Cat 4:	<10K
Deactivation Date:	01-NOV-93	Pop Cat 4 Cd:	1
Fac Deactivtn Dt:	01-NOV-93	Pop Cat 5:	<=500
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	1
Last Rptd Date:	24-JUL-95	ORG Name:	-
Primacy Agency:	California	Admin Name:	USFS ANGELES NF
Is Source Ind:	Yes	Phone No:	-
Facility Type Cd:	WL	Phone Ext No:	-
Facility Type Desc:	Well	Alt Phone No:	-
Activity Status Cd:	I	Fax No:	-
Activity Status:	Inactive	Email Addr:	-
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	I	Fac Activity:	Inactive
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	GW	GW or SS:	Groundwater
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	F	Owner Type:	Federal government
PWS Type Code:	TNCWS	PWS Type:	Transient non-community system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	GW	Primary Srce:	Ground water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	25
Is Grant Eligible:	No	Srv Cnctn Cnt:	0
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Sllr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	Y	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	No	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qtr:	2016Q1		

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-
Treatment Objective Code:	-
Treatment Objective:	-
Treatment Plant City:	-

Wells and Additional Sources Detail Report

Treatment Plant State: -
 Treatment Plant Addr 1: -
 Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910434	Pop Cat 11:	<=100
Facility ID:	1T	Pop Cat 11 Cd:	1
Facility Name:	SPRING	Pop Cat 2:	<10,000
EPA Region Code:	09	Pop Cat 2 Cd:	1
EPA Region:	Region 9	Pop Cat 3:	<=3300
Season Begin Date:	01-01	Pop Cat 3 Cd:	1
Season End Date:	12-31	Pop Cat 4:	<10K
Deactivation Date:	01-NOV-93	Pop Cat 4 Cd:	1
Fac Deactvtn Dt:	01-NOV-93	Pop Cat 5:	<=500
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	1
Last Rptd Date:	24-JUL-95	ORG Name:	-
Primacy Agency:	California	Admin Name:	USFS ANGELES NF
Is Source Ind:	No	Phone No:	-
Facility Type Cd:	TP	Phone Ext No:	-
Facility Type Desc:	Treatment Plant	Alt Phone No:	-
Activity Status Cd:	I	Fax No:	-
Activity Status:	Inactive	Email Addr:	-
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	I	Fac Activity:	Inactive
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	GW	GW or SS:	Groundwater
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	F	Owner Type:	Federal government
PWS Type Code:	TNCWS	PWS Type:	Transient non-community system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	GW	Primary Srce:	Ground water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	25
Is Grant Eligible:	No	Srv Cnctn Cnt:	0
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Slr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-

Wells and Additional Sources Detail Report

Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	No	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qtr:	2016Q1		

--Details--

Treatment ID:	5
Treatment Process Code:	473
Treatment Process:	Converted (FRDS-1.5)
Treatment Objective Code:	C
Treatment Objective:	Corrosion control
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Treatment ID:	11
Treatment Process Code:	461
Treatment Process:	Chlorination (FRDS-1.5)
Treatment Objective Code:	D
Treatment Objective:	Disinfection
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Treatment ID:	4
Treatment Process Code:	348
Treatment Process:	Filtered
Treatment Objective Code:	P
Treatment Objective:	Particulate removal
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

Wells and Additional Sources Detail Report

PWS ID:	CA1910419	Pop Cat 11:	<=100
Facility ID:	1T	Pop Cat 11 Cd:	1
Facility Name:	SPRING	Pop Cat 2:	<10,000
EPA Region Code:	09	Pop Cat 2 Cd:	1
EPA Region:	Region 9	Pop Cat 3:	<=3300
Season Begin Date:	01-01	Pop Cat 3 Cd:	1
Season End Date:	12-31	Pop Cat 4:	<10K
Deactivation Date:	01-NOV-93	Pop Cat 4 Cd:	1
Fac Deactivtn Dt:	01-NOV-93	Pop Cat 5:	<=500
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	1
Last Rptd Date:	24-JUL-95	ORG Name:	-
Primacy Agency:	California	Admin Name:	USFS ANGELES NF
Is Source Ind:	No	Phone No:	-
Facility Type Cd:	TP	Phone Ext No:	-
Facility Type Desc:	Treatment Plant	Alt Phone No:	-
Activity Status Cd:	I	Fax No:	-
Activity Status:	Inactive	Email Addr:	-
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	I	Fac Activity:	Inactive
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	GW	GW or SS:	Groundwater
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	F	Owner Type:	Federal government
PWS Type Code:	TNCWS	PWS Type:	Transient non-community system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	GW	Primary Srce:	Ground water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	25
Is Grant Eligible:	No	Srv Cnctn Cnt:	0
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Slr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	No	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qtr:	2016Q1		

--Details--

Treatment ID: 4
Treatment Process Code: 348

Wells and Additional Sources Detail Report

Treatment Process: Filtered
 Treatment Objective Code: P
 Treatment Objective: Particulate removal
 Treatment Plant City: -
 Treatment Plant State: -
 Treatment Plant Addr 1: -
 Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: -

Treatment ID: 11
 Treatment Process Code: 461
 Treatment Process: Chlorination (FRDS-1.5)
 Treatment Objective Code: D
 Treatment Objective: Disinfection
 Treatment Plant City: -
 Treatment Plant State: -
 Treatment Plant Addr 1: -
 Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: -

Treatment ID: 5
 Treatment Process Code: 473
 Treatment Process: Converted (FRDS-1.5)
 Treatment Objective Code: C
 Treatment Objective: Corrosion control
 Treatment Plant City: -
 Treatment Plant State: -
 Treatment Plant Addr 1: -
 Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910124	Pop Cat 11:	100,001-250,000
Facility ID:	CA1910124804	Pop Cat 11 Cd:	8
Facility Name:	SITE 42 - 3669 RANCH TOP ROAD - STG2 DBP	Pop Cat 2:	10,000+
EPA Region Code:	09	Pop Cat 2 Cd:	2
EPA Region:	Region 9	Pop Cat 3:	3,301-50,000
Season Begin Date:	-	Pop Cat 3 Cd:	3
Season End Date:	-	Pop Cat 4:	100K+
Deactivation Date:	-	Pop Cat 4 Cd:	4

Wells and Additional Sources Detail Report

Fac Deactivtn Dt:	-	Pop Cat 5:	>100,000
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	5
Last Rptd Date:	18-DEC-13	ORG Name:	KWAN, SHAN
Primacy Agency:	California	Admin Name:	KWAN, SHAN
Is Source Ind:	Yes	Phone No:	626-744-4416
Facility Type Cd:	RS	Phone Ext No:	-
Facility Type Desc:	Reservoir	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	626-744-4670
Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NET
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	SW	Wtr Tp Desc:	Surface water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	L	Owner Type:	Local government
PWS Type Code:	CWS	PWS Type:	Community water system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	SW	Primary Srce:	Surface water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Unreported
Subms Sts Cd Vio:	U	Pop Srvd Cnt:	161,259
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	37355
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Sllr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	4
Submission Year:	2013	Validity Ind:	No
Submission Yr Qtr:	2013Q4		

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-
Treatment Objective Code:	-
Treatment Objective:	-
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-

Wells and Additional Sources Detail Report

Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910447	Pop Cat 11:	<=100
Facility ID:	1T	Pop Cat 11 Cd:	1
Facility Name:	WELL	Pop Cat 2:	<10,000
EPA Region Code:	09	Pop Cat 2 Cd:	1
EPA Region:	Region 9	Pop Cat 3:	<=3300
Season Begin Date:	01-01	Pop Cat 3 Cd:	1
Season End Date:	12-31	Pop Cat 4:	<10K
Deactivation Date:	01-NOV-93	Pop Cat 4 Cd:	1
Fac Deactvtn Dt:	01-NOV-93	Pop Cat 5:	<=500
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	1
Last Rptd Date:	24-JUL-95	ORG Name:	-
Primacy Agency:	California	Admin Name:	USFS ANGELES NF
Is Source Ind:	No	Phone No:	-
Facility Type Cd:	TP	Phone Ext No:	-
Facility Type Desc:	Treatment Plant	Alt Phone No:	-
Activity Status Cd:	I	Fax No:	-
Activity Status:	Inactive	Email Addr:	-
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	I	Fac Activity:	Inactive
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	GW	GW or SS:	Groundwater
LT2 Sch Ctgy Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	F	Owner Type:	Federal government
PWS Type Code:	TNCWS	PWS Type:	Transient non-community system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	GW	Primary Srce:	Ground water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	25
Is Grant Eligible:	No	Srv Cnctn Cnt:	0
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Sllr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	No	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes

Wells and Additional Sources Detail Report

Submission Yr Qtr: 2016Q1

--Details--

Treatment ID: 4
 Treatment Process Code: 348
 Treatment Process: Filtered
 Treatment Objective Code: P
 Treatment Objective: Particulate removal
 Treatment Plant City: -
 Treatment Plant State: -
 Treatment Plant Addr 1: -
 Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: -

Treatment ID: 5
 Treatment Process Code: 473
 Treatment Process: Converted (FRDS-1.5)
 Treatment Objective Code: C
 Treatment Objective: Corrosion control
 Treatment Plant City: -
 Treatment Plant State: -
 Treatment Plant Addr 1: -
 Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: -

Treatment ID: 11
 Treatment Process Code: 461
 Treatment Process: Chlorination (FRDS-1.5)
 Treatment Objective Code: D
 Treatment Objective: Disinfection
 Treatment Plant City: -
 Treatment Plant State: -
 Treatment Plant Addr 1: -
 Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910453	Pop Cat 11:	<=100
Facility ID:	1T	Pop Cat 11 Cd:	1
Facility Name:	WELL	Pop Cat 2:	<10,000

Wells and Additional Sources Detail Report

EPA Region Code:	09	Pop Cat 2 Cd:	1
EPA Region:	Region 9	Pop Cat 3:	<=3300
Season Begin Date:	01-01	Pop Cat 3 Cd:	1
Season End Date:	12-31	Pop Cat 4:	<10K
Deactivation Date:	01-NOV-93	Pop Cat 4 Cd:	1
Fac Deactivtn Dt:	01-NOV-93	Pop Cat 5:	<=500
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	1
Last Rptd Date:	24-JUL-95	ORG Name:	-
Primacy Agency:	California	Admin Name:	USFS VALVERMO 10-54-1839
Is Source Ind:	No	Phone No:	-
Facility Type Cd:	TP	Phone Ext No:	-
Facility Type Desc:	Treatment Plant	Alt Phone No:	-
Activity Status Cd:	I	Fax No:	-
Activity Status:	Inactive	Email Addr:	-
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	I	Fac Activity:	Inactive
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	GW	GW or SS:	Groundwater
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	F	Owner Type:	Federal government
PWS Type Code:	CWS	PWS Type:	Community water system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	GW	Primary Srce:	Ground water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	25
Is Grant Eligible:	No	Srv Cnctn Cnt:	0
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Slr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	No	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qtr:	2016Q1		

--Details--

Treatment ID:	4
Treatment Process Code:	348
Treatment Process:	Filtered
Treatment Objective Code:	P
Treatment Objective:	Particulate removal
Treatment Plant City:	-

Wells and Additional Sources Detail Report

Treatment Plant State: -
 Treatment Plant Addr 1: -
 Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: -

Treatment ID: 5
 Treatment Process Code: 473
 Treatment Process: Converted (FRDS-1.5)
 Treatment Objective Code: C
 Treatment Objective: Corrosion control
 Treatment Plant City: -
 Treatment Plant State: -
 Treatment Plant Addr 1: -
 Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: -

Treatment ID: 11
 Treatment Process Code: 461
 Treatment Process: Chlorination (FRDS-1.5)
 Treatment Objective Code: D
 Treatment Objective: Disinfection
 Treatment Plant City: -
 Treatment Plant State: -
 Treatment Plant Addr 1: -
 Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910124	Pop Cat 11:	100,001-250,000
Facility ID:	9299	Pop Cat 11 Cd:	8
Facility Name:	WELL 58	Pop Cat 2:	10,000+
EPA Region Code:	09	Pop Cat 2 Cd:	2
EPA Region:	Region 9	Pop Cat 3:	3,301-50,000
Season Begin Date:	-	Pop Cat 3 Cd:	3
Season End Date:	-	Pop Cat 4:	100K+
Deactivation Date:	-	Pop Cat 4 Cd:	4
Fac Deactvtn Dt:	-	Pop Cat 5:	>100,000
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	5
Last Rptd Date:	01-APR-16	ORG Name:	KWAN, SHAN
Primacy Agency:	California	Admin Name:	KWAN, SHAN
Is Source Ind:	Yes	Phone No:	626-744-4416

Wells and Additional Sources Detail Report

Facility Type Cd:	WL	Phone Ext No:	-
Facility Type Desc:	Well	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	626-744-4670
Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NET
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	L	Owner Type:	Local government
PWS Type Code:	CWS	PWS Type:	Community water system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	SWP	Primary Srce:	Surface water purchased
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	165,740
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	36314
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Sllr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	Y	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	045
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qtr:	2016Q1		

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-
Treatment Objective Code:	-
Treatment Objective:	-
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

Wells and Additional Sources Detail Report

PWS ID:	CA1910124	Pop Cat 11:	100,001-250,000
Facility ID:	CA1910124019	Pop Cat 11 Cd:	8
Facility Name:	VENTURA WELL	Pop Cat 2:	10,000+
EPA Region Code:	09	Pop Cat 2 Cd:	2
EPA Region:	Region 9	Pop Cat 3:	3,301-50,000
Season Begin Date:	-	Pop Cat 3 Cd:	3
Season End Date:	-	Pop Cat 4:	100K+
Deactivation Date:	-	Pop Cat 4 Cd:	4
Fac Deactvtn Dt:	-	Pop Cat 5:	>100,000
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	5
Last Rptd Date:	18-DEC-13	ORG Name:	KWAN, SHAN
Primacy Agency:	California	Admin Name:	KWAN, SHAN
Is Source Ind:	Yes	Phone No:	626-744-4416
Facility Type Cd:	WL	Phone Ext No:	-
Facility Type Desc:	Well	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	626-744-4670
Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NET
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	L	Owner Type:	Local government
PWS Type Code:	CWS	PWS Type:	Community water system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	SW	Primary Srce:	Surface water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Unreported
Subms Sts Cd Vio:	U	Pop Srvd Cnt:	161,259
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	37355
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Slr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	4
Submission Year:	2013	Validity Ind:	No
Submission Yr Qtr:	2013Q4		

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-

Wells and Additional Sources Detail Report

Treatment Objective -
 Code:
 Treatment Objective: -
 Treatment Plant City: -
 Treatment Plant State: -
 Treatment Plant Addr 1: -
 Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910424	Pop Cat 11:	<=100
Facility ID:	1T	Pop Cat 11 Cd:	1
Facility Name:	WELL	Pop Cat 2:	<10,000
EPA Region Code:	09	Pop Cat 2 Cd:	1
EPA Region:	Region 9	Pop Cat 3:	<=3300
Season Begin Date:	01-01	Pop Cat 3 Cd:	1
Season End Date:	12-31	Pop Cat 4:	<10K
Deactivation Date:	01-NOV-93	Pop Cat 4 Cd:	1
Fac Deactvtn Dt:	01-NOV-93	Pop Cat 5:	<=500
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	1
Last Rptd Date:	24-JUL-95	ORG Name:	-
Primacy Agency:	California	Admin Name:	USFS ANGELES NF
Is Source Ind:	No	Phone No:	-
Facility Type Cd:	TP	Phone Ext No:	-
Facility Type Desc:	Treatment Plant	Alt Phone No:	-
Activity Status Cd:	I	Fax No:	-
Activity Status:	Inactive	Email Addr:	-
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	I	Fac Activity:	Inactive
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	GW	GW or SS:	Groundwater
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	F	Owner Type:	Federal government
PWS Type Code:	TNCWS	PWS Type:	Transient non-community system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	GW	Primary Srce:	Ground water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	25
Is Grant Eligible:	No	Srv Cnctn Cnt:	0
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Sllr PWS Nm:	-

Wells and Additional Sources Detail Report

Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	No	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qtr:	2016Q1		

--Details--

Treatment ID:	11
Treatment Process Code:	461
Treatment Process:	Chlorination (FRDS-1.5)
Treatment Objective Code:	D
Treatment Objective:	Disinfection
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Treatment ID:	4
Treatment Process Code:	348
Treatment Process:	Filtered
Treatment Objective Code:	P
Treatment Objective:	Particulate removal
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Treatment ID:	5
Treatment Process Code:	473
Treatment Process:	Converted (FRDS-1.5)
Treatment Objective Code:	C
Treatment Objective:	Corrosion control
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Wells and Additional Sources Detail Report

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910124	Pop Cat 11:	100,001-250,000
Facility ID:	CA1910124012	Pop Cat 11 Cd:	8
Facility Name:	JOURDAN - INACTIVE	Pop Cat 2:	10,000+
EPA Region Code:	09	Pop Cat 2 Cd:	2
EPA Region:	Region 9	Pop Cat 3:	3,301-50,000
Season Begin Date:	-	Pop Cat 3 Cd:	3
Season End Date:	-	Pop Cat 4:	100K+
Deactivation Date:	-	Pop Cat 4 Cd:	4
Fac Deactvtn Dt:	01-JAN-01	Pop Cat 5:	>100,000
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	5
Last Rptd Date:	01-APR-16	ORG Name:	KWAN, SHAN
Primacy Agency:	California	Admin Name:	KWAN, SHAN
Is Source Ind:	Yes	Phone No:	626-744-4416
Facility Type Cd:	WL	Phone Ext No:	-
Facility Type Desc:	Well	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	626-744-4670
Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NE T
Availability Code:	O	Avlblty Desc:	Other
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	I	Fac Activity:	Inactive
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	L	Owner Type:	Local government
PWS Type Code:	CWS	PWS Type:	Community water system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	SWP	Primary Srce:	Surface water purchased
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	165,740
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	36314
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Slr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qtr:	2016Q1		

Wells and Additional Sources Detail Report

--Details--

Treatment ID: -
 Treatment Process Code: -
 Treatment Process: -
 Treatment Objective Code: -
 Treatment Objective: -
 Treatment Plant City: -
 Treatment Plant State: -
 Treatment Plant Addr 1: -
 Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910124	Pop Cat 11:	100,001-250,000
Facility ID:	CA1910124051	Pop Cat 11 Cd:	8
Facility Name:	MHTS- IX COMBINED EFFLUENT	Pop Cat 2:	10,000+
EPA Region Code:	09	Pop Cat 2 Cd:	2
EPA Region:	Region 9	Pop Cat 3:	3,301-50,000
Season Begin Date:	-	Pop Cat 3 Cd:	3
Season End Date:	-	Pop Cat 4:	100K+
Deactivation Date:	-	Pop Cat 4 Cd:	4
Fac Deactivtn Dt:	-	Pop Cat 5:	>100,000
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	5
Last Rptd Date:	18-DEC-13	ORG Name:	KWAN, SHAN
Primacy Agency:	California	Admin Name:	KWAN, SHAN
Is Source Ind:	No	Phone No:	626-744-4416
Facility Type Cd:	TP	Phone Ext No:	-
Facility Type Desc:	Treatment Plant	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	626-744-4670
Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NE T
Availability Code:	-	Avlblty Desc:	-
Water Type Code:	-	Wtr Tp Desc:	-
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	L	Owner Type:	Local government
PWS Type Code:	CWS	PWS Type:	Community water system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	SW	Primary Srce:	Surface water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Unreported

Wells and Additional Sources Detail Report

Subms Sts Cd Vio:	U	Pop Srvd Cnt:	161,259
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	37355
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Sllr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	4
Submission Year:	2013	Validity Ind:	No
Submission Yr Qtr:	2013Q4		

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-
Treatment Objective Code:	-
Treatment Objective:	-
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910124	Pop Cat 11:	100,001-250,000
Facility ID:	7493	Pop Cat 11 Cd:	8
Facility Name:	AERATION - NORTH TOWER- INFLUENT-ABANDOND	Pop Cat 2:	10,000+
EPA Region Code:	09	Pop Cat 2 Cd:	2
EPA Region:	Region 9	Pop Cat 3:	3,301-50,000
Season Begin Date:	-	Pop Cat 3 Cd:	3
Season End Date:	-	Pop Cat 4:	100K+
Deactivation Date:	-	Pop Cat 4 Cd:	4
Fac Deactvtn Dt:	01-JUL-95	Pop Cat 5:	>100,000
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	5
Last Rptd Date:	01-APR-16	ORG Name:	KWAN, SHAN
Primacy Agency:	California	Admin Name:	KWAN, SHAN
Is Source Ind:	Yes	Phone No:	626-744-4416
Facility Type Cd:	WL	Phone Ext No:	-
Facility Type Desc:	Well	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	626-744-4670
Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NE

Wells and Additional Sources Detail Report

Availability Code: O	Avlblty Desc: T Other
Water Type Code: GW	Wtr Tp Desc: Ground water
DBPR Schd Ctg Cd: -	DBPR Schd Ctg: -
Facility Activity Cd: I	Fac Activity: Inactive
Filtrtn Status Cd: -	Filt Stat Desc: -
GW or SW Code: SW	GW or SS: Surface water
LT2 Sch Ctgry Cd: -	LT2 Sched Ctg: -
Owner Type Code: L	Owner Type: Local government
PWS Type Code: CWS	PWS Type: Community water system
Primcy Agency Cd: CA	Primacy Type: State
Primary Source Cd: SWP	Primary Srce: Surface water purchased
Seller Treatmnt Cd: -	Seller Trt Dsc: -
Submsn Status Cd: Y	Sub Stat Dsc: Reported and accepted
Subms Sts Cd Vio: Y	Pop Srvd Cnt: 165,740
Is Grant Eligible: Yes	Srv Cnctn Cnt: 36314
Outstndng Perfrm: -	Seller PWSID: -
Outstndng Perf Dt: -	Slr PWS Nm: -
Schl or Dycare: No	CDS ID: -
Source Treated Ind: -	Country Code: US
Src Wtr Protected: -	Cntry Nm BTP: -
Src Wtr Prot Dt: -	State Code: CA
NPM Candidate: Yes	State Fac ID: 029
Is Wholesaler: No	Sub Quarter: 1
Submission Year: 2016	Validity Ind: Yes
Submission Yr Qtr: 2016Q1	

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-
Treatment Objective Code:	-
Treatment Objective:	-
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID: CA1910452	Pop Cat 11: <=100
Facility ID: 2	Pop Cat 11 Cd: 1
Facility Name: WELL	Pop Cat 2: <10,000

Wells and Additional Sources Detail Report

EPA Region Code:	09	Pop Cat 2 Cd:	1
EPA Region:	Region 9	Pop Cat 3:	<=3300
Season Begin Date:	01-01	Pop Cat 3 Cd:	1
Season End Date:	12-31	Pop Cat 4:	<10K
Deactivation Date:	01-NOV-93	Pop Cat 4 Cd:	1
Fac Deactivtn Dt:	01-NOV-93	Pop Cat 5:	<=500
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	1
Last Rptd Date:	24-JUL-95	ORG Name:	-
Primacy Agency:	California	Admin Name:	USFS ANGELES NF
Is Source Ind:	Yes	Phone No:	-
Facility Type Cd:	WL	Phone Ext No:	-
Facility Type Desc:	Well	Alt Phone No:	-
Activity Status Cd:	I	Fax No:	-
Activity Status:	Inactive	Email Addr:	-
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	I	Fac Activity:	Inactive
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	GW	GW or SS:	Groundwater
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	F	Owner Type:	Federal government
PWS Type Code:	TNCWS	PWS Type:	Transient non-community system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	GW	Primary Srce:	Ground water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	25
Is Grant Eligible:	No	Srv Cnctn Cnt:	0
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Slr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	Y	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	No	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qtr:	2016Q1		

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-
Treatment Objective Code:	-
Treatment Objective:	-
Treatment Plant City:	-

Wells and Additional Sources Detail Report

Treatment Plant State: -
 Treatment Plant Addr 1: -
 Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910124	Pop Cat 11:	100,001-250,000
Facility ID:	CA1910124007	Pop Cat 11 Cd:	8
Facility Name:	CRAIG	Pop Cat 2:	10,000+
EPA Region Code:	09	Pop Cat 2 Cd:	2
EPA Region:	Region 9	Pop Cat 3:	3,301-50,000
Season Begin Date:	-	Pop Cat 3 Cd:	3
Season End Date:	-	Pop Cat 4:	100K+
Deactivation Date:	-	Pop Cat 4 Cd:	4
Fac Deactvtn Dt:	-	Pop Cat 5:	>100,000
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	5
Last Rptd Date:	18-DEC-13	ORG Name:	KWAN, SHAN
Primacy Agency:	California	Admin Name:	KWAN, SHAN
Is Source Ind:	Yes	Phone No:	626-744-4416
Facility Type Cd:	WL	Phone Ext No:	-
Facility Type Desc:	Well	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	626-744-4670
Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NE T
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	L	Owner Type:	Local government
PWS Type Code:	CWS	PWS Type:	Community water system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	SW	Primary Srce:	Surface water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Unreported
Subms Sts Cd Vio:	U	Pop Srvd Cnt:	161,259
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	37355
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Slr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-

Wells and Additional Sources Detail Report

Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	4
Submission Year:	2013	Validity Ind:	No
Submission Yr Qtr:	2013Q4		

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-
Treatment Objective Code:	-
Treatment Objective:	-
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910124	Pop Cat 11:	100,001-250,000
Facility ID:	43	Pop Cat 11 Cd:	8
Facility Name:	VILLA - CHLORINATION	Pop Cat 2:	10,000+
EPA Region Code:	09	Pop Cat 2 Cd:	2
EPA Region:	Region 9	Pop Cat 3:	3,301-50,000
Season Begin Date:	-	Pop Cat 3 Cd:	3
Season End Date:	-	Pop Cat 4:	100K+
Deactivation Date:	-	Pop Cat 4 Cd:	4
Fac Deactvtn Dt:	-	Pop Cat 5:	>100,000
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	5
Last Rptd Date:	18-DEC-13	ORG Name:	KWAN, SHAN
Primacy Agency:	California	Admin Name:	KWAN, SHAN
Is Source Ind:	No	Phone No:	626-744-4416
Facility Type Cd:	TP	Phone Ext No:	-
Facility Type Desc:	Treatment Plant	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	626-744-4670
Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NET
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	-	Wtr Tp Desc:	-
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-

Wells and Additional Sources Detail Report

Owner Type Code: L	Owner Type: Local government
PWS Type Code: CWS	PWS Type: Community water system
Primcy Agency Cd: CA	Primacy Type: State
Primary Source Cd: SW	Primary Srce: Surface water
Seller Treatmnt Cd: -	Seller Trt Dsc: -
Submsn Status Cd: Y	Sub Stat Dsc: Unreported
Subms Sts Cd Vio: U	Pop Srvd Cnt: 161,259
Is Grant Eligible: Yes	Srv Cnctn Cnt: 37355
Outstndng Perfrm: -	Seller PWSID: -
Outstndng Perf Dt: -	Slr PWS Nm: -
Schl or Dycare: No	CDS ID: -
Source Treated Ind: -	Country Code: US
Src Wtr Protected: -	Cntry Nm BTP: -
Src Wtr Prot Dt: -	State Code: CA
NPM Candidate: Yes	State Fac ID: -
Is Wholesaler: No	Sub Quarter: 4
Submission Year: 2013	Validity Ind: No
Submission Yr Qtr: 2013Q4	

--Details--

Treatment ID: 1

Treatment Process Code: 401

Treatment Process: Gaseous Chlorination, Post

Treatment Objective Code: D

Treatment Objective: Disinfection

Treatment Plant City: -

Treatment Plant State: -

Treatment Plant Addr 1: -

Treatment Plant Addr 2: -

Treatment Plant Zip Code: -

Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID: CA1910124	Pop Cat 11: 100,001-250,000
Facility ID: CA1910124802	Pop Cat 11 Cd: 8
Facility Name: SITE 37 - 1480 HASTINGS RANCH - STG2 DBP	Pop Cat 2: 10,000+
EPA Region Code: 09	Pop Cat 2 Cd: 2
EPA Region: Region 9	Pop Cat 3: 3,301-50,000
Season Begin Date: -	Pop Cat 3 Cd: 3
Season End Date: -	Pop Cat 4: 100K+
Deactivation Date: -	Pop Cat 4 Cd: 4
Fac Deactvtn Dt: -	Pop Cat 5: >100,000
First Rptd Dt: 22-MAR-79	Pop Cat 5 Cd: 5
Last Rptd Date: 18-DEC-13	ORG Name: KWAN, SHAN

Wells and Additional Sources Detail Report

Primacy Agency:	California	Admin Name:	KWAN, SHAN
Is Source Ind:	Yes	Phone No:	626-744-4416
Facility Type Cd:	RS	Phone Ext No:	-
Facility Type Desc:	Reservoir	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	626-744-4670
Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NET
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	SW	Wtr Tp Desc:	Surface water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	L	Owner Type:	Local government
PWS Type Code:	CWS	PWS Type:	Community water system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	SW	Primary Srce:	Surface water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Unreported
Subms Sts Cd Vio:	U	Pop Srvd Cnt:	161,259
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	37355
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Sllr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	4
Submission Year:	2013	Validity Ind:	No
Submission Yr Qtr:	2013Q4		

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-
Treatment Objective Code:	-
Treatment Objective:	-
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
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Wells and Additional Sources Detail Report

2	NE	0.48	2,539.22	830.34	SDWIS
PWS ID:	CA1910124	Pop Cat 11:	100,001-250,000		
Facility ID:	118	Pop Cat 11 Cd:	8		
Facility Name:	WINDSOR RESVR-NO3 BLENDING COMPLIANCE	Pop Cat 2:	10,000+		
EPA Region Code:	09	Pop Cat 2 Cd:	2		
EPA Region:	Region 9	Pop Cat 3:	3,301-50,000		
Season Begin Date:	-	Pop Cat 3 Cd:	3		
Season End Date:	-	Pop Cat 4:	100K+		
Deactivation Date:	-	Pop Cat 4 Cd:	4		
Fac Deactivtn Dt:	-	Pop Cat 5:	>100,000		
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	5		
Last Rptd Date:	01-APR-16	ORG Name:	KWAN, SHAN		
Primacy Agency:	California	Admin Name:	KWAN, SHAN		
Is Source Ind:	No	Phone No:	626-744-4416		
Facility Type Cd:	TP	Phone Ext No:	-		
Facility Type Desc:	Treatment Plant	Alt Phone No:	-		
Activity Status Cd:	A	Fax No:	626-744-4670		
Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NE T		
Availability Code:	-	Avlblty Desc:	-		
Water Type Code:	-	Wtr Tp Desc:	-		
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-		
Facility Activity Cd:	A	Fac Activity:	Active		
Filtrtn Status Cd:	-	Filt Stat Desc:	-		
GW or SW Code:	SW	GW or SS:	Surface water		
LT2 Sch Ctgy Cd:	-	LT2 Sched Ctg:	-		
Owner Type Code:	L	Owner Type:	Local government		
PWS Type Code:	CWS	PWS Type:	Community water system		
Primcy Agency Cd:	CA	Primacy Type:	State		
Primary Source Cd:	SWP	Primary Srce:	Surface water purchased		
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-		
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted		
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	165,740		
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	36314		
Outstndng Perfrm:	-	Seller PWSID:	-		
Outstndng Perf Dt:	-	Sllr PWS Nm:	-		
Schl or Dycare:	No	CDS ID:	-		
Source Treated Ind:	-	Country Code:	US		
Src Wtr Protected:	-	Cntry Nm BTP:	-		
Src Wtr Prot Dt:	-	State Code:	CA		
NPM Candidate:	Yes	State Fac ID:	025		
Is Wholesaler:	No	Sub Quarter:	1		
Submission Year:	2016	Validity Ind:	No		
Submission Yr Qrtr:	2016Q1				

--Details--

Wells and Additional Sources Detail Report

Treatment ID: 7400
 Treatment Process Code: 403
 Treatment Process: Gaseous Chlorination, Pre
 Treatment Objective Code: D
 Treatment Objective: Disinfection
 Treatment Plant City: -
 Treatment Plant State: -
 Treatment Plant Addr 1: -
 Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: GASEOUS CHLORINATION, PRE

Treatment ID: 7401
 Treatment Process Code: 600
 Treatment Process: Rapid Mix
 Treatment Objective Code: I
 Treatment Objective: Inorganics removal
 Treatment Plant City: -
 Treatment Plant State: -
 Treatment Plant Addr 1: -
 Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: RAPID MIX

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910434	Pop Cat 11:	<=100
Facility ID:	1	Pop Cat 11 Cd:	1
Facility Name:	SPRING	Pop Cat 2:	<10,000
EPA Region Code:	09	Pop Cat 2 Cd:	1
EPA Region:	Region 9	Pop Cat 3:	<=3300
Season Begin Date:	01-01	Pop Cat 3 Cd:	1
Season End Date:	12-31	Pop Cat 4:	<10K
Deactivation Date:	01-NOV-93	Pop Cat 4 Cd:	1
Fac Deactvtn Dt:	01-NOV-93	Pop Cat 5:	<=500
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	1
Last Rptd Date:	24-JUL-95	ORG Name:	-
Primacy Agency:	California	Admin Name:	USFS ANGELES NF
Is Source Ind:	Yes	Phone No:	-
Facility Type Cd:	WL	Phone Ext No:	-
Facility Type Desc:	Well	Alt Phone No:	-
Activity Status Cd:	I	Fax No:	-
Activity Status:	Inactive	Email Addr:	-
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	GW	Wtr Tp Desc:	Ground water

Wells and Additional Sources Detail Report

DBPR Schd Ctg Cd: -	DBPR Schd Ctg: -
Facility Activity Cd: I	Fac Activity: Inactive
Filtrtn Status Cd: -	Filt Stat Desc: -
GW or SW Code: GW	GW or SS: Groundwater
LT2 Sch Ctgry Cd: -	LT2 Sched Ctg: -
Owner Type Code: F	Owner Type: Federal government
PWS Type Code: TNCWS	PWS Type: Transient non-community system
Primcy Agency Cd: CA	Primacy Type: State
Primary Source Cd: GW	Primary Srce: Ground water
Seller Treatmnt Cd: -	Seller Trt Dsc: -
Submsn Status Cd: Y	Sub Stat Dsc: Reported and accepted
Subms Sts Cd Vio: Y	Pop Srvd Cnt: 25
Is Grant Eligible: No	Srv Cnctn Cnt: 0
Outstndng Perfrm: -	Seller PWSID: -
Outstndng Perf Dt: -	Sllr PWS Nm: -
Schl or Dycare: No	CDS ID: -
Source Treated Ind: Y	Country Code: US
Src Wtr Protected: -	Cntry Nm BTP: -
Src Wtr Prot Dt: -	State Code: CA
NPM Candidate: No	State Fac ID: -
Is Wholesaler: No	Sub Quarter: 1
Submission Year: 2016	Validity Ind: Yes
Submission Yr Qtr: 2016Q1	

--Details--

Treatment ID: -

Treatment Process Code: -

Treatment Process: -

Treatment Objective Code: -

Treatment Objective: -

Treatment Plant City: -

Treatment Plant State: -

Treatment Plant Addr 1: -

Treatment Plant Addr 2: -

Treatment Plant Zip Code: -

Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID: CA1910124	Pop Cat 11: 100,001-250,000
Facility ID: CA1910124023	Pop Cat 11 Cd: 8
Facility Name: WOODBURY	Pop Cat 2: 10,000+
EPA Region Code: 09	Pop Cat 2 Cd: 2
EPA Region: Region 9	Pop Cat 3: 3,301-50,000
Season Begin Date: -	Pop Cat 3 Cd: 3

Wells and Additional Sources Detail Report

Season End Date:	-	Pop Cat 4:	100K+
Deactivation Date:	-	Pop Cat 4 Cd:	4
Fac Deactvtn Dt:	-	Pop Cat 5:	>100,000
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	5
Last Rptd Date:	18-DEC-13	ORG Name:	KWAN, SHAN
Primacy Agency:	California	Admin Name:	KWAN, SHAN
Is Source Ind:	Yes	Phone No:	626-744-4416
Facility Type Cd:	WL	Phone Ext No:	-
Facility Type Desc:	Well	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	626-744-4670
Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NET
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	L	Owner Type:	Local government
PWS Type Code:	CWS	PWS Type:	Community water system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	SW	Primary Srce:	Surface water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Unreported
Subms Sts Cd Vio:	U	Pop Srvd Cnt:	161,259
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	37355
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Slr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	4
Submission Year:	2013	Validity Ind:	No
Submission Yr Qtr:	2013Q4		

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-
Treatment Objective Code:	-
Treatment Objective:	-
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-

Wells and Additional Sources Detail Report

Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910412	Pop Cat 11:	<=100
Facility ID:	1T	Pop Cat 11 Cd:	1
Facility Name:	WELL	Pop Cat 2:	<10,000
EPA Region Code:	09	Pop Cat 2 Cd:	1
EPA Region:	Region 9	Pop Cat 3:	<=3300
Season Begin Date:	01-01	Pop Cat 3 Cd:	1
Season End Date:	12-31	Pop Cat 4:	<10K
Deactivation Date:	01-NOV-93	Pop Cat 4 Cd:	1
Fac Deactivtn Dt:	01-NOV-93	Pop Cat 5:	<=500
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	1
Last Rptd Date:	24-JUL-95	ORG Name:	-
Primacy Agency:	California	Admin Name:	USFS ANGELES NF
Is Source Ind:	No	Phone No:	-
Facility Type Cd:	TP	Phone Ext No:	-
Facility Type Desc:	Treatment Plant	Alt Phone No:	-
Activity Status Cd:	I	Fax No:	-
Activity Status:	Inactive	Email Addr:	-
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	I	Fac Activity:	Inactive
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	GW	GW or SS:	Groundwater
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	F	Owner Type:	Federal government
PWS Type Code:	TNCWS	PWS Type:	Transient non-community system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	GW	Primary Srce:	Ground water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	25
Is Grant Eligible:	No	Srv Cnctn Cnt:	0
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Slr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	No	State Fac ID:	-

Wells and Additional Sources Detail Report

Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qtr:	2016Q1		

--Details--

Treatment ID:	11
Treatment Process Code:	461
Treatment Process:	Chlorination (FRDS-1.5)
Treatment Objective Code:	D
Treatment Objective:	Disinfection
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Treatment ID:	5
Treatment Process Code:	473
Treatment Process:	Converted (FRDS-1.5)
Treatment Objective Code:	C
Treatment Objective:	Corrosion control
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Treatment ID:	4
Treatment Process Code:	348
Treatment Process:	Filtered
Treatment Objective Code:	P
Treatment Objective:	Particulate removal
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910446	Pop Cat 11:	<=100
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Wells and Additional Sources Detail Report

Facility ID:	1T	Pop Cat 11 Cd:	1
Facility Name:	WELL	Pop Cat 2:	<10,000
EPA Region Code:	09	Pop Cat 2 Cd:	1
EPA Region:	Region 9	Pop Cat 3:	<=3300
Season Begin Date:	01-01	Pop Cat 3 Cd:	1
Season End Date:	12-31	Pop Cat 4:	<10K
Deactivation Date:	01-NOV-93	Pop Cat 4 Cd:	1
Fac Deactvtn Dt:	01-NOV-93	Pop Cat 5:	<=500
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	1
Last Rptd Date:	24-JUL-95	ORG Name:	-
Primacy Agency:	California	Admin Name:	USFS ANGELES NF
Is Source Ind:	No	Phone No:	-
Facility Type Cd:	TP	Phone Ext No:	-
Facility Type Desc:	Treatment Plant	Alt Phone No:	-
Activity Status Cd:	I	Fax No:	-
Activity Status:	Inactive	Email Addr:	-
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	I	Fac Activity:	Inactive
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	GW	GW or SS:	Groundwater
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	F	Owner Type:	Federal government
PWS Type Code:	TNCWS	PWS Type:	Transient non-community system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	GW	Primary Srce:	Ground water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	25
Is Grant Eligible:	No	Srv Cnctn Cnt:	0
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Slir PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	No	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qtr:	2016Q1		

--Details--

Treatment ID:	4
Treatment Process Code:	348
Treatment Process:	Filtered
Treatment Objective Code:	P

Wells and Additional Sources Detail Report

Treatment Objective: Particulate removal
 Treatment Plant City: -
 Treatment Plant State: -
 Treatment Plant Addr 1: -
 Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: -

Treatment ID: 5
 Treatment Process Code: 473
 Treatment Process: Converted (FRDS-1.5)
 Treatment Objective Code: C
 Treatment Objective: Corrosion control
 Treatment Plant City: -
 Treatment Plant State: -
 Treatment Plant Addr 1: -
 Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: -

Treatment ID: 11
 Treatment Process Code: 461
 Treatment Process: Chlorination (FRDS-1.5)
 Treatment Objective Code: D
 Treatment Objective: Disinfection
 Treatment Plant City: -
 Treatment Plant State: -
 Treatment Plant Addr 1: -
 Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910420	Pop Cat 11:	<=100
Facility ID:	1T	Pop Cat 11 Cd:	1
Facility Name:	WELL	Pop Cat 2:	<10,000
EPA Region Code:	09	Pop Cat 2 Cd:	1
EPA Region:	Region 9	Pop Cat 3:	<=3300
Season Begin Date:	01-01	Pop Cat 3 Cd:	1
Season End Date:	12-31	Pop Cat 4:	<10K
Deactivation Date:	01-NOV-93	Pop Cat 4 Cd:	1
Fac Deactivtn Dt:	01-NOV-93	Pop Cat 5:	<=500
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	1
Last Rptd Date:	24-JUL-95	ORG Name:	-

Wells and Additional Sources Detail Report

Primacy Agency:	California	Admin Name:	USFS ANGELES NF
Is Source Ind:	No	Phone No:	-
Facility Type Cd:	TP	Phone Ext No:	-
Facility Type Desc:	Treatment Plant	Alt Phone No:	-
Activity Status Cd:	I	Fax No:	-
Activity Status:	Inactive	Email Addr:	-
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	I	Fac Activity:	Inactive
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	GW	GW or SS:	Groundwater
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	F	Owner Type:	Federal government
PWS Type Code:	TNCWS	PWS Type:	Transient non-community system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	GW	Primary Srce:	Ground water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	25
Is Grant Eligible:	No	Srv Cnctn Cnt:	0
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Slr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	No	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qtr:	2016Q1		

--Details--

Treatment ID:	5
Treatment Process Code:	473
Treatment Process:	Converted (FRDS-1.5)
Treatment Objective Code:	C
Treatment Objective:	Corrosion control
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Treatment ID:	11
Treatment Process Code:	461

Wells and Additional Sources Detail Report

Treatment Process: Chlorination (FRDS-1.5)
 Treatment Objective Code: D
 Treatment Objective: Disinfection
 Treatment Plant City: -
 Treatment Plant State: -
 Treatment Plant Addr 1: -
 Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: -

Treatment ID: 4
 Treatment Process Code: 348
 Treatment Process: Filtered
 Treatment Objective Code: P
 Treatment Objective: Particulate removal
 Treatment Plant City: -
 Treatment Plant State: -
 Treatment Plant Addr 1: -
 Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910124	Pop Cat 11:	100,001-250,000
Facility ID:	58035	Pop Cat 11 Cd:	8
Facility Name:	EASTSIDE CENTRL CHLORAMINE @ JONES RES.	Pop Cat 2:	10,000+
EPA Region Code:	09	Pop Cat 2 Cd:	2
EPA Region:	Region 9	Pop Cat 3:	3,301-50,000
Season Begin Date:	-	Pop Cat 3 Cd:	3
Season End Date:	-	Pop Cat 4:	100K+
Deactivation Date:	-	Pop Cat 4 Cd:	4
Fac Deactvtn Dt:	-	Pop Cat 5:	>100,000
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	5
Last Rptd Date:	01-APR-16	ORG Name:	KWAN, SHAN
Primacy Agency:	California	Admin Name:	KWAN, SHAN
Is Source Ind:	No	Phone No:	626-744-4416
Facility Type Cd:	TP	Phone Ext No:	-
Facility Type Desc:	Treatment Plant	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	626-744-4670
Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NE T
Availability Code:	-	Avlblty Desc:	-
Water Type Code:	-	Wtr Tp Desc:	-
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-

Wells and Additional Sources Detail Report

Facility Activity Cd: A	Fac Activity: Active
Filtrtn Status Cd: -	Filt Stat Desc: -
GW or SW Code: SW	GW or SS: Surface water
LT2 Sch Ctgr Cd: -	LT2 Sched Ctg: -
Owner Type Code: L	Owner Type: Local government
PWS Type Code: CWS	PWS Type: Community water system
Primcy Agency Cd: CA	Primacy Type: State
Primary Source Cd: SWP	Primary Srce: Surface water purchased
Seller Treatmnt Cd: -	Seller Trt Dsc: -
Submsn Status Cd: Y	Sub Stat Dsc: Reported and accepted
Subms Sts Cd Vio: Y	Pop Srvd Cnt: 165,740
Is Grant Eligible: Yes	Srv Cnctn Cnt: 36314
Outstndng Perfrm: -	Seller PWSID: -
Outstndng Perf Dt: -	Sllr PWS Nm: -
Schl or Dycare: No	CDS ID: -
Source Treated Ind: -	Country Code: US
Src Wtr Protected: -	Cntry Nm BTP: -
Src Wtr Prot Dt: -	State Code: CA
NPM Candidate: Yes	State Fac ID: 052
Is Wholesaler: No	Sub Quarter: 1
Submission Year: 2016	Validity Ind: No
Submission Yr Qtr: 2016Q1	

--Details--

Treatment ID: 13739
 Treatment Process Code: 200
 Treatment Process: Chloramines
 Treatment Objective Code: D
 Treatment Objective: Disinfection
 Treatment Plant City: -
 Treatment Plant State: -
 Treatment Plant Addr 1: -
 Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: CHLORAMINES

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID: CA1910124	Pop Cat 11: 100,001-250,000
Facility ID: CA1910124805	Pop Cat 11 Cd: 8
Facility Name: SITE R1 - 1280 GLEN OAKS BLVD. -STG2 DBP	Pop Cat 2: 10,000+
EPA Region Code: 09	Pop Cat 2 Cd: 2
EPA Region: Region 9	Pop Cat 3: 3,301-50,000
Season Begin Date: -	Pop Cat 3 Cd: 3
Season End Date: -	Pop Cat 4: 100K+

Wells and Additional Sources Detail Report

Deactivation Date:	-	Pop Cat 4 Cd:	4
Fac Deactvtn Dt:	-	Pop Cat 5:	>100,000
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	5
Last Rptd Date:	18-DEC-13	ORG Name:	KWAN, SHAN
Primacy Agency:	California	Admin Name:	KWAN, SHAN
Is Source Ind:	Yes	Phone No:	626-744-4416
Facility Type Cd:	RS	Phone Ext No:	-
Facility Type Desc:	Reservoir	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	626-744-4670
Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NE T
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	SW	Wtr Tp Desc:	Surface water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	L	Owner Type:	Local government
PWS Type Code:	CWS	PWS Type:	Community water system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	SW	Primary Srce:	Surface water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Unreported
Subms Sts Cd Vio:	U	Pop Srvd Cnt:	161,259
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	37355
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Slr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	4
Submission Year:	2013	Validity Ind:	No
Submission Yr Qtr:	2013Q4		

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-
Treatment Objective Code:	-
Treatment Objective:	-
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-

Wells and Additional Sources Detail Report

Treatment Plant Zip Code: -

Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910124	Pop Cat 11:	100,001-250,000
Facility ID:	CA1910124010	Pop Cat 11 Cd:	8
Facility Name:	GARFIELD	Pop Cat 2:	10,000+
EPA Region Code:	09	Pop Cat 2 Cd:	2
EPA Region:	Region 9	Pop Cat 3:	3,301-50,000
Season Begin Date:	-	Pop Cat 3 Cd:	3
Season End Date:	-	Pop Cat 4:	100K+
Deactivation Date:	-	Pop Cat 4 Cd:	4
Fac Deactivtn Dt:	-	Pop Cat 5:	>100,000
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	5
Last Rptd Date:	18-DEC-13	ORG Name:	KWAN, SHAN
Primacy Agency:	California	Admin Name:	KWAN, SHAN
Is Source Ind:	Yes	Phone No:	626-744-4416
Facility Type Cd:	WL	Phone Ext No:	-
Facility Type Desc:	Well	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	626-744-4670
Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NET
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	L	Owner Type:	Local government
PWS Type Code:	CWS	PWS Type:	Community water system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	SW	Primary Srce:	Surface water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Unreported
Subms Sts Cd Vio:	U	Pop Srvd Cnt:	161,259
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	37355
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Slr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	4

Wells and Additional Sources Detail Report

Submission Year: 2013 Validity Ind: No
 Submission Yr Qtr: 2013Q4

--Details--

Treatment ID: -
 Treatment Process Code: -
 Treatment Process: -
 Treatment Objective Code: -
 Treatment Objective: -
 Treatment Plant City: -
 Treatment Plant State: -
 Treatment Plant Addr 1: -
 Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910445	Pop Cat 11:	<=100
Facility ID:	1	Pop Cat 11 Cd:	1
Facility Name:	SPRING	Pop Cat 2:	<10,000
EPA Region Code:	09	Pop Cat 2 Cd:	1
EPA Region:	Region 9	Pop Cat 3:	<=3300
Season Begin Date:	01-01	Pop Cat 3 Cd:	1
Season End Date:	12-31	Pop Cat 4:	<10K
Deactivation Date:	01-NOV-93	Pop Cat 4 Cd:	1
Fac Deactivtn Dt:	01-NOV-93	Pop Cat 5:	<=500
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	1
Last Rptd Date:	24-JUL-95	ORG Name:	-
Primacy Agency:	California	Admin Name:	USFS ANGELES NF
Is Source Ind:	Yes	Phone No:	-
Facility Type Cd:	WL	Phone Ext No:	-
Facility Type Desc:	Well	Alt Phone No:	-
Activity Status Cd:	I	Fax No:	-
Activity Status:	Inactive	Email Addr:	-
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	I	Fac Activity:	Inactive
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	GW	GW or SS:	Groundwater
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	F	Owner Type:	Federal government
PWS Type Code:	TNCWS	PWS Type:	Transient non-community system
Primcy Agency Cd:	CA	Primacy Type:	State

Wells and Additional Sources Detail Report

Primary Source Cd:	GW	Primary Srce:	Ground water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	25
Is Grant Eligible:	No	Srv Cnctn Cnt:	0
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Sllr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	Y	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	No	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qtr:	2016Q1		

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-
Treatment Objective Code:	-
Treatment Objective:	-
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910124	Pop Cat 11:	100,001-250,000
Facility ID:	29	Pop Cat 11 Cd:	8
Facility Name:	AERATION - NORTH TOWER - INFLUENT	Pop Cat 2:	10,000+
EPA Region Code:	09	Pop Cat 2 Cd:	2
EPA Region:	Region 9	Pop Cat 3:	3,301-50,000
Season Begin Date:	-	Pop Cat 3 Cd:	3
Season End Date:	-	Pop Cat 4:	100K+
Deactivation Date:	-	Pop Cat 4 Cd:	4
Fac Deactvtn Dt:	-	Pop Cat 5:	>100,000
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	5
Last Rptd Date:	18-DEC-13	ORG Name:	KWAN, SHAN
Primacy Agency:	California	Admin Name:	KWAN, SHAN
Is Source Ind:	Yes	Phone No:	626-744-4416
Facility Type Cd:	WL	Phone Ext No:	-

Wells and Additional Sources Detail Report

Facility Type Desc:	Well	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	626-744-4670
Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NET
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	L	Owner Type:	Local government
PWS Type Code:	CWS	PWS Type:	Community water system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	SW	Primary Srce:	Surface water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Unreported
Subms Sts Cd Vio:	U	Pop Srvd Cnt:	161,259
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	37355
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Slr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	U	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	4
Submission Year:	2013	Validity Ind:	No
Submission Yr Qtr:	2013Q4		

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-
Treatment Objective Code:	-
Treatment Objective:	-
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910429	Pop Cat 11:	<=100
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Wells and Additional Sources Detail Report

Facility ID:	1T	Pop Cat 11 Cd:	1
Facility Name:	WELL	Pop Cat 2:	<10,000
EPA Region Code:	09	Pop Cat 2 Cd:	1
EPA Region:	Region 9	Pop Cat 3:	<=3300
Season Begin Date:	01-01	Pop Cat 3 Cd:	1
Season End Date:	12-31	Pop Cat 4:	<10K
Deactivation Date:	01-NOV-93	Pop Cat 4 Cd:	1
Fac Deactvtn Dt:	01-NOV-93	Pop Cat 5:	<=500
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	1
Last Rptd Date:	24-JUL-95	ORG Name:	-
Primacy Agency:	California	Admin Name:	USFS ANGELES NF
Is Source Ind:	No	Phone No:	-
Facility Type Cd:	TP	Phone Ext No:	-
Facility Type Desc:	Treatment Plant	Alt Phone No:	-
Activity Status Cd:	I	Fax No:	-
Activity Status:	Inactive	Email Addr:	-
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	I	Fac Activity:	Inactive
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	GW	GW or SS:	Groundwater
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	F	Owner Type:	Federal government
PWS Type Code:	TNCWS	PWS Type:	Transient non-community system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	GW	Primary Srce:	Ground water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	25
Is Grant Eligible:	No	Srv Cnctn Cnt:	0
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Slr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	No	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qtr:	2016Q1		

--Details--

Treatment ID:	4
Treatment Process Code:	348
Treatment Process:	Filtered
Treatment Objective Code:	P

Wells and Additional Sources Detail Report

Treatment Objective: Particulate removal
 Treatment Plant City: -
 Treatment Plant State: -
 Treatment Plant Addr 1: -
 Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: -

Treatment ID: 5
 Treatment Process Code: 473
 Treatment Process: Converted (FRDS-1.5)
 Treatment Objective Code: C
 Treatment Objective: Corrosion control
 Treatment Plant City: -
 Treatment Plant State: -
 Treatment Plant Addr 1: -
 Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: -

Treatment ID: 11
 Treatment Process Code: 461
 Treatment Process: Chlorination (FRDS-1.5)
 Treatment Objective Code: D
 Treatment Objective: Disinfection
 Treatment Plant City: -
 Treatment Plant State: -
 Treatment Plant Addr 1: -
 Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910124	Pop Cat 11:	100,001-250,000
Facility ID:	20358	Pop Cat 11 Cd:	8
Facility Name:	JOURDAN - INACTIVE	Pop Cat 2:	10,000+
EPA Region Code:	09	Pop Cat 2 Cd:	2
EPA Region:	Region 9	Pop Cat 3:	3,301-50,000
Season Begin Date:	-	Pop Cat 3 Cd:	3
Season End Date:	-	Pop Cat 4:	100K+
Deactivation Date:	-	Pop Cat 4 Cd:	4
Fac Deactivtn Dt:	01-JUL-95	Pop Cat 5:	>100,000
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	5
Last Rptd Date:	01-APR-16	ORG Name:	KWAN, SHAN

Wells and Additional Sources Detail Report

Primacy Agency:	California	Admin Name:	KWAN, SHAN
Is Source Ind:	Yes	Phone No:	626-744-4416
Facility Type Cd:	WL	Phone Ext No:	-
Facility Type Desc:	Well	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	626-744-4670
Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NET
Availability Code:	O	Avlblty Desc:	Other
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	I	Fac Activity:	Inactive
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	L	Owner Type:	Local government
PWS Type Code:	CWS	PWS Type:	Community water system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	SWP	Primary Srce:	Surface water purchased
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	165,740
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	36314
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Slr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	012
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qtr:	2016Q1		

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-
Treatment Objective Code:	-
Treatment Objective:	-
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
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Wells and Additional Sources Detail Report

2	NE	0.48	2,539.22	830.34	SDWIS
PWS ID:	CA1910124	Pop Cat 11:	100,001-250,000		
Facility ID:	CA1910124004	Pop Cat 11 Cd:	8		
Facility Name:	CASITAS - MONITORING SITE	Pop Cat 2:	10,000+		
EPA Region Code:	09	Pop Cat 2 Cd:	2		
EPA Region:	Region 9	Pop Cat 3:	3,301-50,000		
Season Begin Date:	-	Pop Cat 3 Cd:	3		
Season End Date:	-	Pop Cat 4:	100K+		
Deactivation Date:	-	Pop Cat 4 Cd:	4		
Fac Deactvtn Dt:	-	Pop Cat 5:	>100,000		
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	5		
Last Rptd Date:	18-DEC-13	ORG Name:	KWAN, SHAN		
Primacy Agency:	California	Admin Name:	KWAN, SHAN		
Is Source Ind:	Yes	Phone No:	626-744-4416		
Facility Type Cd:	WL	Phone Ext No:	-		
Facility Type Desc:	Well	Alt Phone No:	-		
Activity Status Cd:	A	Fax No:	626-744-4670		
Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NE T		
Availability Code:	O	Avlblty Desc:	Other		
Water Type Code:	GW	Wtr Tp Desc:	Ground water		
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-		
Facility Activity Cd:	A	Fac Activity:	Active		
Filtrtn Status Cd:	-	Filt Stat Desc:	-		
GW or SW Code:	SW	GW or SS:	Surface water		
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-		
Owner Type Code:	L	Owner Type:	Local government		
PWS Type Code:	CWS	PWS Type:	Community water system		
Primcy Agency Cd:	CA	Primacy Type:	State		
Primary Source Cd:	SW	Primary Srce:	Surface water		
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-		
Submsn Status Cd:	Y	Sub Stat Dsc:	Unreported		
Subms Sts Cd Vio:	U	Pop Srvd Cnt:	161,259		
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	37355		
Outstndng Perfrm:	-	Seller PWSID:	-		
Outstndng Perf Dt:	-	Slr PWS Nm:	-		
Schl or Dycare:	No	CDS ID:	-		
Source Treated Ind:	-	Country Code:	US		
Src Wtr Protected:	-	Cntry Nm BTP:	-		
Src Wtr Prot Dt:	-	State Code:	CA		
NPM Candidate:	Yes	State Fac ID:	-		
Is Wholesaler:	No	Sub Quarter:	4		
Submission Year:	2013	Validity Ind:	No		
Submission Yr Qtr:	2013Q4				

--Details--

Wells and Additional Sources Detail Report

Treatment ID: -
 Treatment Process Code: -
 Treatment Process: -
 Treatment Objective Code: -
 Treatment Objective: -
 Treatment Plant City: -
 Treatment Plant State: -
 Treatment Plant Addr 1: -
 Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910432	Pop Cat 11:	<=100
Facility ID:	1	Pop Cat 11 Cd:	1
Facility Name:	SPRING	Pop Cat 2:	<10,000
EPA Region Code:	09	Pop Cat 2 Cd:	1
EPA Region:	Region 9	Pop Cat 3:	<=3300
Season Begin Date:	01-01	Pop Cat 3 Cd:	1
Season End Date:	12-31	Pop Cat 4:	<10K
Deactivation Date:	01-NOV-93	Pop Cat 4 Cd:	1
Fac Deactvtn Dt:	01-NOV-93	Pop Cat 5:	<=500
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	1
Last Rptd Date:	24-JUL-95	ORG Name:	-
Primacy Agency:	California	Admin Name:	USFS ANGELES NF
Is Source Ind:	Yes	Phone No:	-
Facility Type Cd:	WL	Phone Ext No:	-
Facility Type Desc:	Well	Alt Phone No:	-
Activity Status Cd:	I	Fax No:	-
Activity Status:	Inactive	Email Addr:	-
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	I	Fac Activity:	Inactive
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	GW	GW or SS:	Groundwater
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	F	Owner Type:	Federal government
PWS Type Code:	TNCWS	PWS Type:	Transient non-community system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	GW	Primary Srce:	Ground water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	25

Wells and Additional Sources Detail Report

Is Grant Eligible:	No	Srv Cnctn Cnt:	0
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	SIr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	Y	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	No	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qtr:	2016Q1		

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-
Treatment Objective Code:	-
Treatment Objective:	-
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910124	Pop Cat 11:	100,001-250,000
Facility ID:	36	Pop Cat 11 Cd:	8
Facility Name:	MWD CONNECTION, P-4 - TREATED	Pop Cat 2:	10,000+
EPA Region Code:	09	Pop Cat 2 Cd:	2
EPA Region:	Region 9	Pop Cat 3:	3,301-50,000
Season Begin Date:	-	Pop Cat 3 Cd:	3
Season End Date:	-	Pop Cat 4:	100K+
Deactivation Date:	-	Pop Cat 4 Cd:	4
Fac Deactvtn Dt:	-	Pop Cat 5:	>100,000
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	5
Last Rptd Date:	18-DEC-13	ORG Name:	KWAN, SHAN
Primacy Agency:	California	Admin Name:	KWAN, SHAN
Is Source Ind:	Yes	Phone No:	626-744-4416
Facility Type Cd:	CC	Phone Ext No:	-
Facility Type Desc:	Consecutive Connection	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	626-744-4670
Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NET

Wells and Additional Sources Detail Report

Availability Code: P	Avlblty Desc: Permanent
Water Type Code: SW	Wtr Tp Desc: Surface water
DBPR Schd Ctg Cd: -	DBPR Schd Ctg: -
Facility Activity Cd: A	Fac Activity: Active
Filtrtn Status Cd: -	Filt Stat Desc: -
GW or SW Code: SW	GW or SS: Surface water
LT2 Sch Ctgry Cd: -	LT2 Sched Ctg: -
Owner Type Code: L	Owner Type: Local government
PWS Type Code: CWS	PWS Type: Community water system
Primcy Agency Cd: CA	Primacy Type: State
Primary Source Cd: SW	Primary Srce: Surface water
Seller Treatmnt Cd: U	Seller Trt Dsc: Unknown
Submsn Status Cd: Y	Sub Stat Dsc: Unreported
Subms Sts Cd Vio: U	Pop Srvd Cnt: 161,259
Is Grant Eligible: Yes	Srv Cnctn Cnt: 37355
Outstndng Perfrm: -	Seller PWSID: CA1910087
Outstndng Perf Dt: -	Slr PWS Nm: -
Schl or Dycare: No	CDS ID: -
Source Treated Ind: U	Country Code: US
Src Wtr Protected: -	Cntry Nm BTP: -
Src Wtr Prot Dt: -	State Code: CA
NPM Candidate: Yes	State Fac ID: -
Is Wholesaler: No	Sub Quarter: 4
Submission Year: 2013	Validity Ind: No
Submission Yr Qtr: 2013Q4	

--Details--

Treatment ID: -

Treatment Process Code: -

Treatment Process: -

Treatment Objective Code: -

Treatment Objective: -

Treatment Plant City: -

Treatment Plant State: -

Treatment Plant Addr 1: -

Treatment Plant Addr 2: -

Treatment Plant Zip Code: -

Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID: CA1910421	Pop Cat 11: <=100
Facility ID: 1	Pop Cat 11 Cd: 1
Facility Name: SPRING	Pop Cat 2: <10,000
EPA Region Code: 09	Pop Cat 2 Cd: 1

Wells and Additional Sources Detail Report

EPA Region:	Region 9	Pop Cat 3:	<=3300
Season Begin Date:	01-01	Pop Cat 3 Cd:	1
Season End Date:	12-31	Pop Cat 4:	<10K
Deactivation Date:	01-NOV-93	Pop Cat 4 Cd:	1
Fac Deactivtn Dt:	01-NOV-93	Pop Cat 5:	<=500
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	1
Last Rptd Date:	24-JUL-95	ORG Name:	-
Primacy Agency:	California	Admin Name:	USFS ANGELES NF
Is Source Ind:	Yes	Phone No:	-
Facility Type Cd:	WL	Phone Ext No:	-
Facility Type Desc:	Well	Alt Phone No:	-
Activity Status Cd:	I	Fax No:	-
Activity Status:	Inactive	Email Addr:	-
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	I	Fac Activity:	Inactive
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	GW	GW or SS:	Groundwater
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	F	Owner Type:	Federal government
PWS Type Code:	TNCWS	PWS Type:	Transient non-community system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	GW	Primary Srce:	Ground water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	25
Is Grant Eligible:	No	Srv Cnctn Cnt:	0
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Slr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	Y	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	No	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qtr:	2016Q1		

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-
Treatment Objective Code:	-
Treatment Objective:	-
Treatment Plant City:	-
Treatment Plant State:	-

Wells and Additional Sources Detail Report

Treatment Plant Addr 1: -
 Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910431	Pop Cat 11:	<=100
Facility ID:	1T	Pop Cat 11 Cd:	1
Facility Name:	SPRING	Pop Cat 2:	<10,000
EPA Region Code:	09	Pop Cat 2 Cd:	1
EPA Region:	Region 9	Pop Cat 3:	<=3300
Season Begin Date:	01-01	Pop Cat 3 Cd:	1
Season End Date:	12-31	Pop Cat 4:	<10K
Deactivation Date:	01-NOV-93	Pop Cat 4 Cd:	1
Fac Deactvtn Dt:	01-NOV-93	Pop Cat 5:	<=500
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	1
Last Rptd Date:	24-JUL-95	ORG Name:	-
Primacy Agency:	California	Admin Name:	USFS ANGELES NF
Is Source Ind:	No	Phone No:	-
Facility Type Cd:	TP	Phone Ext No:	-
Facility Type Desc:	Treatment Plant	Alt Phone No:	-
Activity Status Cd:	I	Fax No:	-
Activity Status:	Inactive	Email Addr:	-
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	I	Fac Activity:	Inactive
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	GW	GW or SS:	Groundwater
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	F	Owner Type:	Federal government
PWS Type Code:	TNCWS	PWS Type:	Transient non-community system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	GW	Primary Srce:	Ground water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	25
Is Grant Eligible:	No	Srv Cnctn Cnt:	0
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Slr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA

Wells and Additional Sources Detail Report

NPM Candidate:	No	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qtr:	2016Q1		

--Details--

Treatment ID:	11
Treatment Process Code:	461
Treatment Process:	Chlorination (FRDS-1.5)
Treatment Objective Code:	D
Treatment Objective:	Disinfection
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Treatment ID:	4
Treatment Process Code:	348
Treatment Process:	Filtered
Treatment Objective Code:	P
Treatment Objective:	Particulate removal
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Treatment ID:	5
Treatment Process Code:	473
Treatment Process:	Converted (FRDS-1.5)
Treatment Objective Code:	C
Treatment Objective:	Corrosion control
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

Wells and Additional Sources Detail Report

PWS ID:	CA1910124	Pop Cat 11:	100,001-250,000
Facility ID:	CA1910124018	Pop Cat 11 Cd:	8
Facility Name:	SUNSET	Pop Cat 2:	10,000+
EPA Region Code:	09	Pop Cat 2 Cd:	2
EPA Region:	Region 9	Pop Cat 3:	3,301-50,000
Season Begin Date:	-	Pop Cat 3 Cd:	3
Season End Date:	-	Pop Cat 4:	100K+
Deactivation Date:	-	Pop Cat 4 Cd:	4
Fac Deactvtn Dt:	-	Pop Cat 5:	>100,000
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	5
Last Rptd Date:	18-DEC-13	ORG Name:	KWAN, SHAN
Primacy Agency:	California	Admin Name:	KWAN, SHAN
Is Source Ind:	Yes	Phone No:	626-744-4416
Facility Type Cd:	WL	Phone Ext No:	-
Facility Type Desc:	Well	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	626-744-4670
Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NET
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgy Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	L	Owner Type:	Local government
PWS Type Code:	CWS	PWS Type:	Community water system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	SW	Primary Srce:	Surface water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Unreported
Subms Sts Cd Vio:	U	Pop Srvd Cnt:	161,259
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	37355
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Slr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	4
Submission Year:	2013	Validity Ind:	No
Submission Yr Qtr:	2013Q4		

--Details--

Treatment ID: -
 Treatment Process Code: -
 Treatment Process: -

Wells and Additional Sources Detail Report

Treatment Objective -
 Code:
 Treatment Objective: -
 Treatment Plant City: -
 Treatment Plant State: -
 Treatment Plant Addr 1: -
 Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910401	Pop Cat 11:	<=100
Facility ID:	1T	Pop Cat 11 Cd:	1
Facility Name:	STREAM	Pop Cat 2:	<10,000
EPA Region Code:	09	Pop Cat 2 Cd:	1
EPA Region:	Region 9	Pop Cat 3:	<=3300
Season Begin Date:	01-01	Pop Cat 3 Cd:	1
Season End Date:	12-31	Pop Cat 4:	<10K
Deactivation Date:	01-NOV-93	Pop Cat 4 Cd:	1
Fac Deactvtn Dt:	01-NOV-93	Pop Cat 5:	<=500
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	1
Last Rptd Date:	24-JUL-95	ORG Name:	-
Primacy Agency:	California	Admin Name:	USFS ANGELES NF
Is Source Ind:	No	Phone No:	-
Facility Type Cd:	TP	Phone Ext No:	-
Facility Type Desc:	Treatment Plant	Alt Phone No:	-
Activity Status Cd:	I	Fax No:	-
Activity Status:	Inactive	Email Addr:	-
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	SW	Wtr Tp Desc:	Surface water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	I	Fac Activity:	Inactive
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	F	Owner Type:	Federal government
PWS Type Code:	TNCWS	PWS Type:	Transient non-community system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	SW	Primary Srce:	Surface water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	25
Is Grant Eligible:	No	Srv Cnctn Cnt:	0
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Sllr PWS Nm:	-

Wells and Additional Sources Detail Report

Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	No	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qtr:	2016Q1		

--Details--

Treatment ID:	5
Treatment Process Code:	473
Treatment Process:	Converted (FRDS-1.5)
Treatment Objective Code:	C
Treatment Objective:	Corrosion control
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Treatment ID:	4
Treatment Process Code:	348
Treatment Process:	Filtered
Treatment Objective Code:	P
Treatment Objective:	Particulate removal
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Treatment ID:	11
Treatment Process Code:	461
Treatment Process:	Chlorination (FRDS-1.5)
Treatment Objective Code:	D
Treatment Objective:	Disinfection
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Wells and Additional Sources Detail Report

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910124	Pop Cat 11:	100,001-250,000
Facility ID:	CA1910124033	Pop Cat 11 Cd:	8
Facility Name:	MWD CONNECTION, P-1 - TREATED	Pop Cat 2:	10,000+
EPA Region Code:	09	Pop Cat 2 Cd:	2
EPA Region:	Region 9	Pop Cat 3:	3,301-50,000
Season Begin Date:	-	Pop Cat 3 Cd:	3
Season End Date:	-	Pop Cat 4:	100K+
Deactivation Date:	-	Pop Cat 4 Cd:	4
Fac Deactivtn Dt:	-	Pop Cat 5:	>100,000
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	5
Last Rptd Date:	18-DEC-13	ORG Name:	KWAN, SHAN
Primacy Agency:	California	Admin Name:	KWAN, SHAN
Is Source Ind:	Yes	Phone No:	626-744-4416
Facility Type Cd:	CC	Phone Ext No:	-
Facility Type Desc:	Consecutive Connection	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	626-744-4670
Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NET
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	SW	Wtr Tp Desc:	Surface water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgy Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	L	Owner Type:	Local government
PWS Type Code:	CWS	PWS Type:	Community water system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	SW	Primary Srce:	Surface water
Seller Treatmnt Cd:	N	Seller Trt Dsc:	Not treated
Submsn Status Cd:	Y	Sub Stat Dsc:	Unreported
Subms Sts Cd Vio:	U	Pop Srvd Cnt:	161,259
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	37355
Outstndng Perfrm:	-	Seller PWSID:	CA1910087
Outstndng Perf Dt:	-	Sllr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	4
Submission Year:	2013	Validity Ind:	No
Submission Yr Qtr:	2013Q4		

Wells and Additional Sources Detail Report

--Details--

Treatment ID: -
 Treatment Process Code: -
 Treatment Process: -
 Treatment Objective Code: -
 Treatment Objective: -
 Treatment Plant City: -
 Treatment Plant State: -
 Treatment Plant Addr 1: -
 Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910124	Pop Cat 11:	100,001-250,000
Facility ID:	3103	Pop Cat 11 Cd:	8
Facility Name:	MONTE VISTA - CHLORINATION	Pop Cat 2:	10,000+
EPA Region Code:	09	Pop Cat 2 Cd:	2
EPA Region:	Region 9	Pop Cat 3:	3,301-50,000
Season Begin Date:	-	Pop Cat 3 Cd:	3
Season End Date:	-	Pop Cat 4:	100K+
Deactivation Date:	-	Pop Cat 4 Cd:	4
Fac Deactvtn Dt:	-	Pop Cat 5:	>100,000
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	5
Last Rptd Date:	01-APR-16	ORG Name:	KWAN, SHAN
Primacy Agency:	California	Admin Name:	KWAN, SHAN
Is Source Ind:	No	Phone No:	626-744-4416
Facility Type Cd:	TP	Phone Ext No:	-
Facility Type Desc:	Treatment Plant	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	626-744-4670
Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NE T
Availability Code:	-	Avlblty Desc:	-
Water Type Code:	-	Wtr Tp Desc:	-
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgy Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	L	Owner Type:	Local government
PWS Type Code:	CWS	PWS Type:	Community water system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	SWP	Primary Srce:	Surface water purchased
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-

Wells and Additional Sources Detail Report

Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	165,740
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	36314
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Sllr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	042
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qtr:	2016Q1		

--Details--

Treatment ID:	7408
Treatment Process Code:	401
Treatment Process:	Gaseous Chlorination, Post
Treatment Objective Code:	D
Treatment Objective:	Disinfection
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	GASEOUS CHLORINATION, POST

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910124	Pop Cat 11:	100,001-250,000
Facility ID:	2	Pop Cat 11 Cd:	8
Facility Name:	ARROYO SECO CYN STREAM - RAW - INACTIVE	Pop Cat 2:	10,000+
EPA Region Code:	09	Pop Cat 2 Cd:	2
EPA Region:	Region 9	Pop Cat 3:	3,301-50,000
Season Begin Date:	-	Pop Cat 3 Cd:	3
Season End Date:	-	Pop Cat 4:	100K+
Deactivation Date:	-	Pop Cat 4 Cd:	4
Fac Deactvtn Dt:	-	Pop Cat 5:	>100,000
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	5
Last Rptd Date:	18-DEC-13	ORG Name:	KWAN, SHAN
Primacy Agency:	California	Admin Name:	KWAN, SHAN
Is Source Ind:	Yes	Phone No:	626-744-4416
Facility Type Cd:	IN	Phone Ext No:	-
Facility Type Desc:	Intake	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	626-744-4670

Wells and Additional Sources Detail Report

Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NET
Availability Code:	O	Avlblty Desc:	Other
Water Type Code:	SW	Wtr Tp Desc:	Surface water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	L	Owner Type:	Local government
PWS Type Code:	CWS	PWS Type:	Community water system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	SW	Primary Srce:	Surface water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Unreported
Subms Sts Cd Vio:	U	Pop Srvd Cnt:	161,259
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	37355
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Slr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	U	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	4
Submission Year:	2013	Validity Ind:	No
Submission Yr Qtr:	2013Q4		

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-
Treatment Objective Code:	-
Treatment Objective:	-
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910124	Pop Cat 11:	100,001-250,000
Facility ID:	CA1910124806	Pop Cat 11 Cd:	8
Facility Name:	SITE R2 - 1737 LA LOMA ROAD -	Pop Cat 2:	10,000+

Wells and Additional Sources Detail Report

	STG2 DBP		
EPA Region Code:	09	Pop Cat 2 Cd:	2
EPA Region:	Region 9	Pop Cat 3:	3,301-50,000
Season Begin Date:	-	Pop Cat 3 Cd:	3
Season End Date:	-	Pop Cat 4:	100K+
Deactivation Date:	-	Pop Cat 4 Cd:	4
Fac Deactvtn Dt:	-	Pop Cat 5:	>100,000
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	5
Last Rptd Date:	18-DEC-13	ORG Name:	KWAN, SHAN
Primacy Agency:	California	Admin Name:	KWAN, SHAN
Is Source Ind:	Yes	Phone No:	626-744-4416
Facility Type Cd:	RS	Phone Ext No:	-
Facility Type Desc:	Reservoir	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	626-744-4670
Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NET
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	SW	Wtr Tp Desc:	Surface water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	L	Owner Type:	Local government
PWS Type Code:	CWS	PWS Type:	Community water system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	SW	Primary Srce:	Surface water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Unreported
Subms Sts Cd Vio:	U	Pop Srvd Cnt:	161,259
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	37355
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Slr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	4
Submission Year:	2013	Validity Ind:	No
Submission Yr Qtr:	2013Q4		

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-
Treatment Objective Code:	-

Wells and Additional Sources Detail Report

Treatment Objective: -
 Treatment Plant City: -
 Treatment Plant State: -
 Treatment Plant Addr 1: -
 Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910436	Pop Cat 11:	<=100
Facility ID:	1T	Pop Cat 11 Cd:	1
Facility Name:	SPRING	Pop Cat 2:	<10,000
EPA Region Code:	09	Pop Cat 2 Cd:	1
EPA Region:	Region 9	Pop Cat 3:	<=3300
Season Begin Date:	01-01	Pop Cat 3 Cd:	1
Season End Date:	12-31	Pop Cat 4:	<10K
Deactivation Date:	01-NOV-93	Pop Cat 4 Cd:	1
Fac Deactivtn Dt:	01-NOV-93	Pop Cat 5:	<=500
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	1
Last Rptd Date:	24-JUL-95	ORG Name:	-
Primacy Agency:	California	Admin Name:	USFS ANGELES NF
Is Source Ind:	No	Phone No:	-
Facility Type Cd:	TP	Phone Ext No:	-
Facility Type Desc:	Treatment Plant	Alt Phone No:	-
Activity Status Cd:	I	Fax No:	-
Activity Status:	Inactive	Email Addr:	-
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	I	Fac Activity:	Inactive
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	GW	GW or SS:	Groundwater
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	F	Owner Type:	Federal government
PWS Type Code:	TNCWS	PWS Type:	Transient non-community system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	GW	Primary Srce:	Ground water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	25
Is Grant Eligible:	No	Srv Cnctn Cnt:	0
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Slr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-

Wells and Additional Sources Detail Report

Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	No	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qtr:	2016Q1		

--Details--

Treatment ID:	5
Treatment Process Code:	473
Treatment Process:	Converted (FRDS-1.5)
Treatment Objective Code:	C
Treatment Objective:	Corrosion control
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Treatment ID:	11
Treatment Process Code:	461
Treatment Process:	Chlorination (FRDS-1.5)
Treatment Objective Code:	D
Treatment Objective:	Disinfection
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Treatment ID:	4
Treatment Process Code:	348
Treatment Process:	Filtered
Treatment Objective Code:	P
Treatment Objective:	Particulate removal
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
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Wells and Additional Sources Detail Report

2	NE	0.48	2,539.22	830.34	SDWIS
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PWS ID:	CA1910433	Pop Cat 11:	<=100
Facility ID:	1	Pop Cat 11 Cd:	1
Facility Name:	WELL	Pop Cat 2:	<10,000
EPA Region Code:	09	Pop Cat 2 Cd:	1
EPA Region:	Region 9	Pop Cat 3:	<=3300
Season Begin Date:	01-01	Pop Cat 3 Cd:	1
Season End Date:	12-31	Pop Cat 4:	<10K
Deactivation Date:	01-NOV-93	Pop Cat 4 Cd:	1
Fac Deactivtn Dt:	01-NOV-93	Pop Cat 5:	<=500
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	1
Last Rptd Date:	24-JUL-95	ORG Name:	-
Primacy Agency:	California	Admin Name:	USFS ANGELES NF
Is Source Ind:	Yes	Phone No:	-
Facility Type Cd:	WL	Phone Ext No:	-
Facility Type Desc:	Well	Alt Phone No:	-
Activity Status Cd:	I	Fax No:	-
Activity Status:	Inactive	Email Addr:	-
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	I	Fac Activity:	Inactive
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	GW	GW or SS:	Groundwater
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	F	Owner Type:	Federal government
PWS Type Code:	TNCWS	PWS Type:	Transient non-community system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	GW	Primary Srce:	Ground water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	25
Is Grant Eligible:	No	Srv Cnctn Cnt:	0
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Slr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	Y	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	No	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qtr:	2016Q1		

--Details--

Wells and Additional Sources Detail Report

Treatment ID: -
 Treatment Process Code: -
 Treatment Process: -
 Treatment Objective Code: -
 Treatment Objective: -
 Treatment Plant City: -
 Treatment Plant State: -
 Treatment Plant Addr 1: -
 Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910124	Pop Cat 11:	100,001-250,000
Facility ID:	CA1910124022	Pop Cat 11 Cd:	8
Facility Name:	WINDSOR WELL	Pop Cat 2:	10,000+
EPA Region Code:	09	Pop Cat 2 Cd:	2
EPA Region:	Region 9	Pop Cat 3:	3,301-50,000
Season Begin Date:	-	Pop Cat 3 Cd:	3
Season End Date:	-	Pop Cat 4:	100K+
Deactivation Date:	-	Pop Cat 4 Cd:	4
Fac Deactvtn Dt:	-	Pop Cat 5:	>100,000
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	5
Last Rptd Date:	18-DEC-13	ORG Name:	KWAN, SHAN
Primacy Agency:	California	Admin Name:	KWAN, SHAN
Is Source Ind:	Yes	Phone No:	626-744-4416
Facility Type Cd:	WL	Phone Ext No:	-
Facility Type Desc:	Well	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	626-744-4670
Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NET
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgy Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	L	Owner Type:	Local government
PWS Type Code:	CWS	PWS Type:	Community water system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	SW	Primary Srce:	Surface water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Unreported
Subms Sts Cd Vio:	U	Pop Srvd Cnt:	161,259

Wells and Additional Sources Detail Report

Is Grant Eligible:	Yes	Srv Cnctn Cnt:	37355
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	SIr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	4
Submission Year:	2013	Validity Ind:	No
Submission Yr Qtr:	2013Q4		

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-
Treatment Objective Code:	-
Treatment Objective:	-
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910439	Pop Cat 11:	<=100
Facility ID:	1T	Pop Cat 11 Cd:	1
Facility Name:	IMPOUNDING RES	Pop Cat 2:	<10,000
EPA Region Code:	09	Pop Cat 2 Cd:	1
EPA Region:	Region 9	Pop Cat 3:	<=3300
Season Begin Date:	01-01	Pop Cat 3 Cd:	1
Season End Date:	12-31	Pop Cat 4:	<10K
Deactivation Date:	01-NOV-93	Pop Cat 4 Cd:	1
Fac Deactvtn Dt:	01-NOV-93	Pop Cat 5:	<=500
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	1
Last Rptd Date:	24-JUL-95	ORG Name:	-
Primacy Agency:	California	Admin Name:	USFS ANGELES NF
Is Source Ind:	No	Phone No:	-
Facility Type Cd:	TP	Phone Ext No:	-
Facility Type Desc:	Treatment Plant	Alt Phone No:	-
Activity Status Cd:	I	Fax No:	-
Activity Status:	Inactive	Email Addr:	-
Availability Code:	P	Avlblty Desc:	Permanent

Wells and Additional Sources Detail Report

Water Type Code:	SW	Wtr Tp Desc:	Surface water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	I	Fac Activity:	Inactive
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	F	Owner Type:	Federal government
PWS Type Code:	TNCWS	PWS Type:	Transient non-community system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	SW	Primary Srce:	Surface water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	25
Is Grant Eligible:	No	Srv Cnctn Cnt:	0
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Sllr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	No	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qtr:	2016Q1		

--Details--

Treatment ID:	4
Treatment Process Code:	348
Treatment Process:	Filtered
Treatment Objective Code:	P
Treatment Objective:	Particulate removal
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-
Treatment ID:	5
Treatment Process Code:	473
Treatment Process:	Converted (FRDS-1.5)
Treatment Objective Code:	C
Treatment Objective:	Corrosion control
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-

Wells and Additional Sources Detail Report

Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: -

Treatment ID: 11
 Treatment Process Code: 461
 Treatment Process: Chlorination (FRDS-1.5)
 Treatment Objective Code: D
 Treatment Objective: Disinfection
 Treatment Plant City: -
 Treatment Plant State: -
 Treatment Plant Addr 1: -
 Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910124	Pop Cat 11:	100,001-250,000
Facility ID:	3104	Pop Cat 11 Cd:	8
Facility Name:	VILLA - CHLORINATION	Pop Cat 2:	10,000+
EPA Region Code:	09	Pop Cat 2 Cd:	2
EPA Region:	Region 9	Pop Cat 3:	3,301-50,000
Season Begin Date:	-	Pop Cat 3 Cd:	3
Season End Date:	-	Pop Cat 4:	100K+
Deactivation Date:	-	Pop Cat 4 Cd:	4
Fac Deactivtn Dt:	-	Pop Cat 5:	>100,000
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	5
Last Rptd Date:	01-APR-16	ORG Name:	KWAN, SHAN
Primacy Agency:	California	Admin Name:	KWAN, SHAN
Is Source Ind:	No	Phone No:	626-744-4416
Facility Type Cd:	TP	Phone Ext No:	-
Facility Type Desc:	Treatment Plant	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	626-744-4670
Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NET
Availability Code:	-	Avlblty Desc:	-
Water Type Code:	-	Wtr Tp Desc:	-
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	L	Owner Type:	Local government
PWS Type Code:	CWS	PWS Type:	Community water system
Primcy Agency Cd:	CA	Primacy Type:	State

Wells and Additional Sources Detail Report

Primary Source Cd:	SWP	Primary Srce:	Surface water purchased
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	165,740
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	36314
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Sllr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	043
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qtr:	2016Q1		

--Details--

Treatment ID:	7407
Treatment Process Code:	401
Treatment Process:	Gaseous Chlorination, Post
Treatment Objective Code:	D
Treatment Objective:	Disinfection
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	GASEOUS CHLORINATION, POST

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910437	Pop Cat 11:	<=100
Facility ID:	1	Pop Cat 11 Cd:	1
Facility Name:	SPRING	Pop Cat 2:	<10,000
EPA Region Code:	09	Pop Cat 2 Cd:	1
EPA Region:	Region 9	Pop Cat 3:	<=3300
Season Begin Date:	01-01	Pop Cat 3 Cd:	1
Season End Date:	12-31	Pop Cat 4:	<10K
Deactivation Date:	01-NOV-93	Pop Cat 4 Cd:	1
Fac Deactvtn Dt:	01-NOV-93	Pop Cat 5:	<=500
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	1
Last Rptd Date:	24-JUL-95	ORG Name:	-
Primacy Agency:	California	Admin Name:	USFS ANGELES NF
Is Source Ind:	Yes	Phone No:	-
Facility Type Cd:	WL	Phone Ext No:	-

Wells and Additional Sources Detail Report

Facility Type Desc:	Well	Alt Phone No:	-
Activity Status Cd:	I	Fax No:	-
Activity Status:	Inactive	Email Addr:	-
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	I	Fac Activity:	Inactive
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	GW	GW or SS:	Groundwater
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	F	Owner Type:	Federal government
PWS Type Code:	TNCWS	PWS Type:	Transient non-community system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	GW	Primary Srce:	Ground water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	25
Is Grant Eligible:	No	Srv Cnctn Cnt:	0
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Slr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	Y	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	No	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qtr:	2016Q1		

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-
Treatment Objective Code:	-
Treatment Objective:	-
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910124	Pop Cat 11:	100,001-250,000
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Wells and Additional Sources Detail Report

Facility ID:	42	Pop Cat 11 Cd:	8
Facility Name:	MONTE VISTA - CHLORINATION	Pop Cat 2:	10,000+
EPA Region Code:	09	Pop Cat 2 Cd:	2
EPA Region:	Region 9	Pop Cat 3:	3,301-50,000
Season Begin Date:	-	Pop Cat 3 Cd:	3
Season End Date:	-	Pop Cat 4:	100K+
Deactivation Date:	-	Pop Cat 4 Cd:	4
Fac Deactvtn Dt:	-	Pop Cat 5:	>100,000
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	5
Last Rptd Date:	18-DEC-13	ORG Name:	KWAN, SHAN
Primacy Agency:	California	Admin Name:	KWAN, SHAN
Is Source Ind:	No	Phone No:	626-744-4416
Facility Type Cd:	TP	Phone Ext No:	-
Facility Type Desc:	Treatment Plant	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	626-744-4670
Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NET
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	-	Wtr Tp Desc:	-
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	L	Owner Type:	Local government
PWS Type Code:	CWS	PWS Type:	Community water system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	SW	Primary Srce:	Surface water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Unreported
Subms Sts Cd Vio:	U	Pop Srvd Cnt:	161,259
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	37355
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Slr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	4
Submission Year:	2013	Validity Ind:	No
Submission Yr Qtr:	2013Q4		

--Details--

Treatment ID:	1
Treatment Process Code:	401
Treatment Process:	Gaseous Chlorination, Post
Treatment Objective	D

Wells and Additional Sources Detail Report

Code:

Treatment Objective: Disinfection
 Treatment Plant City: -
 Treatment Plant State: -
 Treatment Plant Addr 1: -
 Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910406	Pop Cat 11:	<=100
Facility ID:	1T	Pop Cat 11 Cd:	1
Facility Name:	SPRING	Pop Cat 2:	<10,000
EPA Region Code:	09	Pop Cat 2 Cd:	1
EPA Region:	Region 9	Pop Cat 3:	<=3300
Season Begin Date:	01-01	Pop Cat 3 Cd:	1
Season End Date:	12-31	Pop Cat 4:	<10K
Deactivation Date:	01-NOV-93	Pop Cat 4 Cd:	1
Fac Deactvtn Dt:	01-NOV-93	Pop Cat 5:	<=500
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	1
Last Rptd Date:	24-JUL-95	ORG Name:	-
Primacy Agency:	California	Admin Name:	USFS ANGELES NF
Is Source Ind:	No	Phone No:	-
Facility Type Cd:	TP	Phone Ext No:	-
Facility Type Desc:	Treatment Plant	Alt Phone No:	-
Activity Status Cd:	I	Fax No:	-
Activity Status:	Inactive	Email Addr:	-
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	I	Fac Activity:	Inactive
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	GW	GW or SS:	Groundwater
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	F	Owner Type:	Federal government
PWS Type Code:	TNCWS	PWS Type:	Transient non-community system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	GW	Primary Srce:	Ground water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	25
Is Grant Eligible:	No	Srv Cnctn Cnt:	0
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Sllr PWS Nm:	-

Wells and Additional Sources Detail Report

Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	No	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qtr:	2016Q1		

--Details--

Treatment ID:	4
Treatment Process Code:	348
Treatment Process:	Filtered
Treatment Objective Code:	P
Treatment Objective:	Particulate removal
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Treatment ID:	11
Treatment Process Code:	461
Treatment Process:	Chlorination (FRDS-1.5)
Treatment Objective Code:	D
Treatment Objective:	Disinfection
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Treatment ID:	5
Treatment Process Code:	473
Treatment Process:	Converted (FRDS-1.5)
Treatment Objective Code:	C
Treatment Objective:	Corrosion control
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Wells and Additional Sources Detail Report

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910428	Pop Cat 11:	<=100
Facility ID:	1	Pop Cat 11 Cd:	1
Facility Name:	WELL	Pop Cat 2:	<10,000
EPA Region Code:	09	Pop Cat 2 Cd:	1
EPA Region:	Region 9	Pop Cat 3:	<=3300
Season Begin Date:	01-01	Pop Cat 3 Cd:	1
Season End Date:	12-31	Pop Cat 4:	<10K
Deactivation Date:	01-NOV-93	Pop Cat 4 Cd:	1
Fac Deactvtn Dt:	01-NOV-93	Pop Cat 5:	<=500
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	1
Last Rptd Date:	24-JUL-95	ORG Name:	-
Primacy Agency:	California	Admin Name:	USFS ANGELES NF
Is Source Ind:	Yes	Phone No:	-
Facility Type Cd:	WL	Phone Ext No:	-
Facility Type Desc:	Well	Alt Phone No:	-
Activity Status Cd:	I	Fax No:	-
Activity Status:	Inactive	Email Addr:	-
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	I	Fac Activity:	Inactive
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	GW	GW or SS:	Groundwater
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	F	Owner Type:	Federal government
PWS Type Code:	TNCWS	PWS Type:	Transient non-community system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	GW	Primary Srce:	Ground water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	25
Is Grant Eligible:	No	Srv Cnctn Cnt:	0
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Slr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	Y	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	No	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qtr:	2016Q1		

Wells and Additional Sources Detail Report

--Details--

Treatment ID: -
 Treatment Process Code: -
 Treatment Process: -
 Treatment Objective Code: -
 Treatment Objective: -
 Treatment Plant City: -
 Treatment Plant State: -
 Treatment Plant Addr 1: -
 Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910426	Pop Cat 11:	<=100
Facility ID:	1T	Pop Cat 11 Cd:	1
Facility Name:	SPRING	Pop Cat 2:	<10,000
EPA Region Code:	09	Pop Cat 2 Cd:	1
EPA Region:	Region 9	Pop Cat 3:	<=3300
Season Begin Date:	01-01	Pop Cat 3 Cd:	1
Season End Date:	12-31	Pop Cat 4:	<10K
Deactivation Date:	01-NOV-93	Pop Cat 4 Cd:	1
Fac Deactvtn Dt:	01-NOV-93	Pop Cat 5:	<=500
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	1
Last Rptd Date:	24-JUL-95	ORG Name:	-
Primacy Agency:	California	Admin Name:	USFS ANGELES NF
Is Source Ind:	No	Phone No:	-
Facility Type Cd:	TP	Phone Ext No:	-
Facility Type Desc:	Treatment Plant	Alt Phone No:	-
Activity Status Cd:	I	Fax No:	-
Activity Status:	Inactive	Email Addr:	-
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	I	Fac Activity:	Inactive
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	GW	GW or SS:	Groundwater
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	F	Owner Type:	Federal government
PWS Type Code:	TNCWS	PWS Type:	Transient non-community system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	GW	Primary Srce:	Ground water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted

Wells and Additional Sources Detail Report

Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	25
Is Grant Eligible:	No	Srv Cnctn Cnt:	0
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Sllr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	No	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qtr:	2016Q1		

--Details--

Treatment ID:	4
Treatment Process Code:	348
Treatment Process:	Filtered
Treatment Objective Code:	P
Treatment Objective:	Particulate removal
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-
Treatment ID:	11
Treatment Process Code:	461
Treatment Process:	Chlorination (FRDS-1.5)
Treatment Objective Code:	D
Treatment Objective:	Disinfection
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-
Treatment ID:	5
Treatment Process Code:	473
Treatment Process:	Converted (FRDS-1.5)
Treatment Objective Code:	C
Treatment Objective:	Corrosion control
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-

Wells and Additional Sources Detail Report

Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910124	Pop Cat 11:	100,001-250,000
Facility ID:	33	Pop Cat 11 Cd:	8
Facility Name:	MWD CONNECTION, P-1 - TREATED	Pop Cat 2:	10,000+
EPA Region Code:	09	Pop Cat 2 Cd:	2
EPA Region:	Region 9	Pop Cat 3:	3,301-50,000
Season Begin Date:	-	Pop Cat 3 Cd:	3
Season End Date:	-	Pop Cat 4:	100K+
Deactivation Date:	-	Pop Cat 4 Cd:	4
Fac Deactvtn Dt:	-	Pop Cat 5:	>100,000
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	5
Last Rptd Date:	18-DEC-13	ORG Name:	KWAN, SHAN
Primacy Agency:	California	Admin Name:	KWAN, SHAN
Is Source Ind:	Yes	Phone No:	626-744-4416
Facility Type Cd:	CC	Phone Ext No:	-
Facility Type Desc:	Consecutive Connection	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	626-744-4670
Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NET
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	SW	Wtr Tp Desc:	Surface water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	L	Owner Type:	Local government
PWS Type Code:	CWS	PWS Type:	Community water system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	SW	Primary Srce:	Surface water
Seller Treatmnt Cd:	U	Seller Trt Dsc:	Unknown
Submsn Status Cd:	Y	Sub Stat Dsc:	Unreported
Subms Sts Cd Vio:	U	Pop Srvd Cnt:	161,259
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	37355
Outstndng Perfrm:	-	Seller PWSID:	CA1910087
Outstndng Perf Dt:	-	Sllr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	U	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	-

Wells and Additional Sources Detail Report

Is Wholesaler:	No	Sub Quarter:	4
Submission Year:	2013	Validity Ind:	No
Submission Yr Qtr:	2013Q4		

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-
Treatment Objective Code:	-
Treatment Objective:	-
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910412	Pop Cat 11:	<=100
Facility ID:	1	Pop Cat 11 Cd:	1
Facility Name:	WELL	Pop Cat 2:	<10,000
EPA Region Code:	09	Pop Cat 2 Cd:	1
EPA Region:	Region 9	Pop Cat 3:	<=3300
Season Begin Date:	01-01	Pop Cat 3 Cd:	1
Season End Date:	12-31	Pop Cat 4:	<10K
Deactivation Date:	01-NOV-93	Pop Cat 4 Cd:	1
Fac Deactvtn Dt:	01-NOV-93	Pop Cat 5:	<=500
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	1
Last Rptd Date:	24-JUL-95	ORG Name:	-
Primacy Agency:	California	Admin Name:	USFS ANGELES NF
Is Source Ind:	Yes	Phone No:	-
Facility Type Cd:	WL	Phone Ext No:	-
Facility Type Desc:	Well	Alt Phone No:	-
Activity Status Cd:	I	Fax No:	-
Activity Status:	Inactive	Email Addr:	-
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	I	Fac Activity:	Inactive
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	GW	GW or SS:	Groundwater
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	F	Owner Type:	Federal government
PWS Type Code:	TNCWS	PWS Type:	Transient non-community system

Wells and Additional Sources Detail Report

Primacy Agency Cd: CA	Primacy Type: State
Primary Source Cd: GW	Primary Srce: Ground water
Seller Treatmnt Cd: -	Seller Trt Dsc: -
Submsn Status Cd: Y	Sub Stat Dsc: Reported and accepted
Subms Sts Cd Vio: Y	Pop Srvd Cnt: 25
Is Grant Eligible: No	Srv Cnctn Cnt: 0
Outstndng Perfrm: -	Seller PWSID: -
Outstndng Perf Dt: -	Slr PWS Nm: -
Schl or Dycare: No	CDS ID: -
Source Treated Ind: Y	Country Code: US
Src Wtr Protected: -	Cntry Nm BTP: -
Src Wtr Prot Dt: -	State Code: CA
NPM Candidate: No	State Fac ID: -
Is Wholesaler: No	Sub Quarter: 1
Submission Year: 2016	Validity Ind: Yes
Submission Yr Qtr: 2016Q1	

--Details--

Treatment ID: -

Treatment Process Code: -

Treatment Process: -

Treatment Objective Code: -

Treatment Objective: -

Treatment Plant City: -

Treatment Plant State: -

Treatment Plant Addr 1: -

Treatment Plant Addr 2: -

Treatment Plant Zip Code: -

Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID: CA1910452	Pop Cat 11: <=100
Facility ID: 1	Pop Cat 11 Cd: 1
Facility Name: WELL	Pop Cat 2: <10,000
EPA Region Code: 09	Pop Cat 2 Cd: 1
EPA Region: Region 9	Pop Cat 3: <=3300
Season Begin Date: 01-01	Pop Cat 3 Cd: 1
Season End Date: 12-31	Pop Cat 4: <10K
Deactivation Date: 01-NOV-93	Pop Cat 4 Cd: 1
Fac Deactvtn Dt: 01-NOV-93	Pop Cat 5: <=500
First Rptd Dt: 22-MAR-79	Pop Cat 5 Cd: 1
Last Rptd Date: 24-JUL-95	ORG Name: -
Primacy Agency: California	Admin Name: USFS ANGELES NF
Is Source Ind: Yes	Phone No: -

Wells and Additional Sources Detail Report

Facility Type Cd:	WL	Phone Ext No:	-
Facility Type Desc:	Well	Alt Phone No:	-
Activity Status Cd:	I	Fax No:	-
Activity Status:	Inactive	Email Addr:	-
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	I	Fac Activity:	Inactive
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	GW	GW or SS:	Groundwater
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	F	Owner Type:	Federal government
PWS Type Code:	TNCWS	PWS Type:	Transient non-community system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	GW	Primary Srce:	Ground water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	25
Is Grant Eligible:	No	Srv Cnctn Cnt:	0
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Sllr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	Y	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	No	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qtr:	2016Q1		

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-
Treatment Objective Code:	-
Treatment Objective:	-
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

Wells and Additional Sources Detail Report

PWS ID:	CA1910124	Pop Cat 11:	100,001-250,000
Facility ID:	9304	Pop Cat 11 Cd:	8
Facility Name:	CRAIG-STANDBY	Pop Cat 2:	10,000+
EPA Region Code:	09	Pop Cat 2 Cd:	2
EPA Region:	Region 9	Pop Cat 3:	3,301-50,000
Season Begin Date:	-	Pop Cat 3 Cd:	3
Season End Date:	-	Pop Cat 4:	100K+
Deactivation Date:	-	Pop Cat 4 Cd:	4
Fac Deactvtn Dt:	-	Pop Cat 5:	>100,000
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	5
Last Rptd Date:	01-APR-16	ORG Name:	KWAN, SHAN
Primacy Agency:	California	Admin Name:	KWAN, SHAN
Is Source Ind:	Yes	Phone No:	626-744-4416
Facility Type Cd:	WL	Phone Ext No:	-
Facility Type Desc:	Well	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	626-744-4670
Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NET
Availability Code:	E	Avlblty Desc:	Emergency
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	L	Owner Type:	Local government
PWS Type Code:	CWS	PWS Type:	Community water system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	SWP	Primary Srce:	Surface water purchased
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	165,740
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	36314
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Slr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	Y	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	007
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qtr:	2016Q1		

--Details--

Treatment ID: -
 Treatment Process Code: -
 Treatment Process: -

Wells and Additional Sources Detail Report

Treatment Objective -
 Code:
 Treatment Objective: -
 Treatment Plant City: -
 Treatment Plant State: -
 Treatment Plant Addr 1: -
 Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910124	Pop Cat 11:	100,001-250,000
Facility ID:	22	Pop Cat 11 Cd:	8
Facility Name:	WINDSOR	Pop Cat 2:	10,000+
EPA Region Code:	09	Pop Cat 2 Cd:	2
EPA Region:	Region 9	Pop Cat 3:	3,301-50,000
Season Begin Date:	-	Pop Cat 3 Cd:	3
Season End Date:	-	Pop Cat 4:	100K+
Deactivation Date:	-	Pop Cat 4 Cd:	4
Fac Deactvtn Dt:	-	Pop Cat 5:	>100,000
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	5
Last Rptd Date:	18-DEC-13	ORG Name:	KWAN, SHAN
Primacy Agency:	California	Admin Name:	KWAN, SHAN
Is Source Ind:	Yes	Phone No:	626-744-4416
Facility Type Cd:	WL	Phone Ext No:	-
Facility Type Desc:	Well	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	626-744-4670
Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NE T
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	L	Owner Type:	Local government
PWS Type Code:	CWS	PWS Type:	Community water system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	SW	Primary Srce:	Surface water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Unreported
Subms Sts Cd Vio:	U	Pop Srvd Cnt:	161,259
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	37355
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Sllr PWS Nm:	-

Wells and Additional Sources Detail Report

Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	U	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	4
Submission Year:	2013	Validity Ind:	No
Submission Yr Qtr:	2013Q4		

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-
Treatment Objective Code:	-
Treatment Objective:	-
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910124	Pop Cat 11:	100,001-250,000
Facility ID:	28407	Pop Cat 11 Cd:	8
Facility Name:	OHIO 05 - MONITORING SITE	Pop Cat 2:	10,000+
EPA Region Code:	09	Pop Cat 2 Cd:	2
EPA Region:	Region 9	Pop Cat 3:	3,301-50,000
Season Begin Date:	-	Pop Cat 3 Cd:	3
Season End Date:	-	Pop Cat 4:	100K+
Deactivation Date:	-	Pop Cat 4 Cd:	4
Fac Deactvtn Dt:	-	Pop Cat 5:	>100,000
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	5
Last Rptd Date:	01-APR-16	ORG Name:	KWAN, SHAN
Primacy Agency:	California	Admin Name:	KWAN, SHAN
Is Source Ind:	No	Phone No:	626-744-4416
Facility Type Cd:	SS	Phone Ext No:	-
Facility Type Desc:	Sampling Station	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	626-744-4670
Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NE T
Availability Code:	-	Avlblty Desc:	-
Water Type Code:	-	Wtr Tp Desc:	-
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active

Wells and Additional Sources Detail Report

Filtrtn Status Cd: -	Filt Stat Desc: -
GW or SW Code: SW	GW or SS: Surface water
LT2 Sch Ctgry Cd: -	LT2 Sched Ctg: -
Owner Type Code: L	Owner Type: Local government
PWS Type Code: CWS	PWS Type: Community water system
Primcy Agency Cd: CA	Primacy Type: State
Primary Source Cd: SWP	Primary Srce: Surface water purchased
Seller Treatmnt Cd: -	Seller Trt Dsc: -
Submsn Status Cd: Y	Sub Stat Dsc: Reported and accepted
Subms Sts Cd Vio: Y	Pop Srvd Cnt: 165,740
Is Grant Eligible: Yes	Srv Cnctn Cnt: 36314
Outstndng Perfrm: -	Seller PWSID: -
Outstndng Perf Dt: -	Slr PWS Nm: -
Schl or Dycare: No	CDS ID: -
Source Treated Ind: -	Country Code: US
Src Wtr Protected: -	Cntry Nm BTP: -
Src Wtr Prot Dt: -	State Code: CA
NPM Candidate: Yes	State Fac ID: 015
Is Wholesaler: No	Sub Quarter: 1
Submission Year: 2016	Validity Ind: Yes
Submission Yr Qtr: 2016Q1	

--Details--

Treatment ID: -

Treatment Process Code: -

Treatment Process: -

Treatment Objective Code: -

Treatment Objective: -

Treatment Plant City: -

Treatment Plant State: -

Treatment Plant Addr 1: -

Treatment Plant Addr 2: -

Treatment Plant Zip Code: -

Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID: CA1910408	Pop Cat 11: <=100
Facility ID: 1	Pop Cat 11 Cd: 1
Facility Name: WELL	Pop Cat 2: <10,000
EPA Region Code: 09	Pop Cat 2 Cd: 1
EPA Region: Region 9	Pop Cat 3: <=3300
Season Begin Date: 01-01	Pop Cat 3 Cd: 1
Season End Date: 12-31	Pop Cat 4: <10K
Deactivation Date: 01-NOV-93	Pop Cat 4 Cd: 1

Wells and Additional Sources Detail Report

Fac Deactivtn Dt:	01-NOV-93	Pop Cat 5:	<=500
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	1
Last Rptd Date:	24-JUL-95	ORG Name:	-
Primacy Agency:	California	Admin Name:	USFS ANGELES NF
Is Source Ind:	Yes	Phone No:	-
Facility Type Cd:	WL	Phone Ext No:	-
Facility Type Desc:	Well	Alt Phone No:	-
Activity Status Cd:	I	Fax No:	-
Activity Status:	Inactive	Email Addr:	-
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	I	Fac Activity:	Inactive
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	GW	GW or SS:	Groundwater
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	F	Owner Type:	Federal government
PWS Type Code:	TNCWS	PWS Type:	Transient non-community system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	GW	Primary Srce:	Ground water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	25
Is Grant Eligible:	No	Srv Cnctn Cnt:	0
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Sllr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	Y	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	No	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qtr:	2016Q1		

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-
Treatment Objective Code:	-
Treatment Objective:	-
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Wells and Additional Sources Detail Report

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910451	Pop Cat 11:	<=100
Facility ID:	1T	Pop Cat 11 Cd:	1
Facility Name:	SPRING	Pop Cat 2:	<10,000
EPA Region Code:	09	Pop Cat 2 Cd:	1
EPA Region:	Region 9	Pop Cat 3:	<=3300
Season Begin Date:	01-01	Pop Cat 3 Cd:	1
Season End Date:	12-31	Pop Cat 4:	<10K
Deactivation Date:	01-NOV-93	Pop Cat 4 Cd:	1
Fac Deactivtn Dt:	01-NOV-93	Pop Cat 5:	<=500
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	1
Last Rptd Date:	24-JUL-95	ORG Name:	-
Primacy Agency:	California	Admin Name:	USFS ANGELES NF
Is Source Ind:	No	Phone No:	-
Facility Type Cd:	TP	Phone Ext No:	-
Facility Type Desc:	Treatment Plant	Alt Phone No:	-
Activity Status Cd:	I	Fax No:	-
Activity Status:	Inactive	Email Addr:	-
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	I	Fac Activity:	Inactive
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	GW	GW or SS:	Groundwater
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	F	Owner Type:	Federal government
PWS Type Code:	TNCWS	PWS Type:	Transient non-community system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	GW	Primary Srce:	Ground water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	25
Is Grant Eligible:	No	Srv Cnctn Cnt:	0
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Slr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	No	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qtr:	2016Q1		

Wells and Additional Sources Detail Report

--Details--

Treatment ID:	4
Treatment Process Code:	348
Treatment Process:	Filtered
Treatment Objective Code:	P
Treatment Objective:	Particulate removal
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-
Treatment ID:	11
Treatment Process Code:	461
Treatment Process:	Chlorination (FRDS-1.5)
Treatment Objective Code:	D
Treatment Objective:	Disinfection
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-
Treatment ID:	5
Treatment Process Code:	473
Treatment Process:	Converted (FRDS-1.5)
Treatment Objective Code:	C
Treatment Objective:	Corrosion control
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910416	Pop Cat 11:	<=100
Facility ID:	1	Pop Cat 11 Cd:	1
Facility Name:	SPRING	Pop Cat 2:	<10,000
EPA Region Code:	09	Pop Cat 2 Cd:	1

Wells and Additional Sources Detail Report

EPA Region:	Region 9	Pop Cat 3:	<=3300
Season Begin Date:	01-01	Pop Cat 3 Cd:	1
Season End Date:	12-31	Pop Cat 4:	<10K
Deactivation Date:	01-NOV-93	Pop Cat 4 Cd:	1
Fac Deactivtn Dt:	01-NOV-93	Pop Cat 5:	<=500
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	1
Last Rptd Date:	24-JUL-95	ORG Name:	-
Primacy Agency:	California	Admin Name:	USFS ANGELES NF
Is Source Ind:	Yes	Phone No:	-
Facility Type Cd:	WL	Phone Ext No:	-
Facility Type Desc:	Well	Alt Phone No:	-
Activity Status Cd:	I	Fax No:	-
Activity Status:	Inactive	Email Addr:	-
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	I	Fac Activity:	Inactive
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	GW	GW or SS:	Groundwater
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	F	Owner Type:	Federal government
PWS Type Code:	TNCWS	PWS Type:	Transient non-community system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	GW	Primary Srce:	Ground water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	25
Is Grant Eligible:	No	Srv Cnctn Cnt:	0
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Slr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	Y	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	No	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qtr:	2016Q1		

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-
Treatment Objective Code:	-
Treatment Objective:	-
Treatment Plant City:	-
Treatment Plant State:	-

Wells and Additional Sources Detail Report

Treatment Plant Addr 1: -
 Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910124	Pop Cat 11:	100,001-250,000
Facility ID:	CA1910124807	Pop Cat 11 Cd:	8
Facility Name:	SITE 01 - 1141 FOREST AVENUE - STG 2 DBP	Pop Cat 2:	10,000+
EPA Region Code:	09	Pop Cat 2 Cd:	2
EPA Region:	Region 9	Pop Cat 3:	3,301-50,000
Season Begin Date:	-	Pop Cat 3 Cd:	3
Season End Date:	-	Pop Cat 4:	100K+
Deactivation Date:	-	Pop Cat 4 Cd:	4
Fac Deactvtn Dt:	-	Pop Cat 5:	>100,000
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	5
Last Rptd Date:	18-DEC-13	ORG Name:	KWAN, SHAN
Primacy Agency:	California	Admin Name:	KWAN, SHAN
Is Source Ind:	Yes	Phone No:	626-744-4416
Facility Type Cd:	RS	Phone Ext No:	-
Facility Type Desc:	Reservoir	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	626-744-4670
Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NE T
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	SW	Wtr Tp Desc:	Surface water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	L	Owner Type:	Local government
PWS Type Code:	CWS	PWS Type:	Community water system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	SW	Primary Srce:	Surface water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Unreported
Subms Sts Cd Vio:	U	Pop Srvd Cnt:	161,259
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	37355
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Slr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA

Wells and Additional Sources Detail Report

NPM Candidate:	Yes	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	4
Submission Year:	2013	Validity Ind:	No
Submission Yr Qtr:	2013Q4		

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-
Treatment Objective Code:	-
Treatment Objective:	-
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910124	Pop Cat 11:	100,001-250,000
Facility ID:	9300	Pop Cat 11 Cd:	8
Facility Name:	WELL 59	Pop Cat 2:	10,000+
EPA Region Code:	09	Pop Cat 2 Cd:	2
EPA Region:	Region 9	Pop Cat 3:	3,301-50,000
Season Begin Date:	-	Pop Cat 3 Cd:	3
Season End Date:	-	Pop Cat 4:	100K+
Deactivation Date:	-	Pop Cat 4 Cd:	4
Fac Deactivtn Dt:	-	Pop Cat 5:	>100,000
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	5
Last Rptd Date:	01-APR-16	ORG Name:	KWAN, SHAN
Primacy Agency:	California	Admin Name:	KWAN, SHAN
Is Source Ind:	Yes	Phone No:	626-744-4416
Facility Type Cd:	WL	Phone Ext No:	-
Facility Type Desc:	Well	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	626-744-4670
Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NE T
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	L	Owner Type:	Local government

Wells and Additional Sources Detail Report

PWS Type Code: CWS	PWS Type: Community water system
Primcy Agency Cd: CA	Primacy Type: State
Primary Source Cd: SWP	Primary Srce: Surface water purchased
Seller Treatmnt Cd: -	Seller Trt Dsc: -
Submsn Status Cd: Y	Sub Stat Dsc: Reported and accepted
Subms Sts Cd Vio: Y	Pop Srvd Cnt: 165,740
Is Grant Eligible: Yes	Srv Cnctn Cnt: 36314
Outstndng Perfrm: -	Seller PWSID: -
Outstndng Perf Dt: -	Sllr PWS Nm: -
Schl or Dycare: No	CDS ID: -
Source Treated Ind: Y	Country Code: US
Src Wtr Protected: -	Cntry Nm BTP: -
Src Wtr Prot Dt: -	State Code: CA
NPM Candidate: Yes	State Fac ID: 047
Is Wholesaler: No	Sub Quarter: 1
Submission Year: 2016	Validity Ind: Yes
Submission Yr Qtr: 2016Q1	

--Details--

Treatment ID: -

Treatment Process Code: -

Treatment Process: -

Treatment Objective Code: -

Treatment Objective: -

Treatment Plant City: -

Treatment Plant State: -

Treatment Plant Addr 1: -

Treatment Plant Addr 2: -

Treatment Plant Zip Code: -

Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID: CA1910124	Pop Cat 11: 100,001-250,000
Facility ID: CA1910124017	Pop Cat 11 Cd: 8
Facility Name: SHELDON - INACTIVE	Pop Cat 2: 10,000+
EPA Region Code: 09	Pop Cat 2 Cd: 2
EPA Region: Region 9	Pop Cat 3: 3,301-50,000
Season Begin Date: -	Pop Cat 3 Cd: 3
Season End Date: -	Pop Cat 4: 100K+
Deactivation Date: -	Pop Cat 4 Cd: 4
Fac Deactvtn Dt: 01-JAN-01	Pop Cat 5: >100,000
First Rptd Dt: 22-MAR-79	Pop Cat 5 Cd: 5
Last Rptd Date: 01-APR-16	ORG Name: KWAN, SHAN
Primacy Agency: California	Admin Name: KWAN, SHAN

Wells and Additional Sources Detail Report

Is Source Ind:	Yes	Phone No:	626-744-4416
Facility Type Cd:	WL	Phone Ext No:	-
Facility Type Desc:	Well	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	626-744-4670
Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NET
Availability Code:	O	Avlblty Desc:	Other
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	I	Fac Activity:	Inactive
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	L	Owner Type:	Local government
PWS Type Code:	CWS	PWS Type:	Community water system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	SWP	Primary Srce:	Surface water purchased
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	165,740
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	36314
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Slr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qtr:	2016Q1		

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-
Treatment Objective Code:	-
Treatment Objective:	-
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

Wells and Additional Sources Detail Report

PWS ID:	CA1910124	Pop Cat 11:	100,001-250,000
Facility ID:	CA1910124037	Pop Cat 11 Cd:	8
Facility Name:	MWD CONNECTION, P-5 - TREATED	Pop Cat 2:	10,000+
EPA Region Code:	09	Pop Cat 2 Cd:	2
EPA Region:	Region 9	Pop Cat 3:	3,301-50,000
Season Begin Date:	-	Pop Cat 3 Cd:	3
Season End Date:	-	Pop Cat 4:	100K+
Deactivation Date:	-	Pop Cat 4 Cd:	4
Fac Deactivtn Dt:	-	Pop Cat 5:	>100,000
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	5
Last Rptd Date:	18-DEC-13	ORG Name:	KWAN, SHAN
Primacy Agency:	California	Admin Name:	KWAN, SHAN
Is Source Ind:	Yes	Phone No:	626-744-4416
Facility Type Cd:	CC	Phone Ext No:	-
Facility Type Desc:	Consecutive Connection	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	626-744-4670
Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NET
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	SW	Wtr Tp Desc:	Surface water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	L	Owner Type:	Local government
PWS Type Code:	CWS	PWS Type:	Community water system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	SW	Primary Srce:	Surface water
Seller Treatmnt Cd:	N	Seller Trt Dsc:	Not treated
Submsn Status Cd:	Y	Sub Stat Dsc:	Unreported
Subms Sts Cd Vio:	U	Pop Srvd Cnt:	161,259
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	37355
Outstndng Perfrm:	-	Seller PWSID:	CA1910087
Outstndng Perf Dt:	-	Slr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	4
Submission Year:	2013	Validity Ind:	No
Submission Yr Qtr:	2013Q4		

--Details--

Treatment ID: -

Wells and Additional Sources Detail Report

Treatment Process Code: -
 Treatment Process: -
 Treatment Objective Code: -
 Treatment Objective: -
 Treatment Plant City: -
 Treatment Plant State: -
 Treatment Plant Addr 1: -
 Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910124	Pop Cat 11:	100,001-250,000
Facility ID:	10	Pop Cat 11 Cd:	8
Facility Name:	GARFIELD	Pop Cat 2:	10,000+
EPA Region Code:	09	Pop Cat 2 Cd:	2
EPA Region:	Region 9	Pop Cat 3:	3,301-50,000
Season Begin Date:	-	Pop Cat 3 Cd:	3
Season End Date:	-	Pop Cat 4:	100K+
Deactivation Date:	-	Pop Cat 4 Cd:	4
Fac Deactivtn Dt:	-	Pop Cat 5:	>100,000
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	5
Last Rptd Date:	18-DEC-13	ORG Name:	KWAN, SHAN
Primacy Agency:	California	Admin Name:	KWAN, SHAN
Is Source Ind:	Yes	Phone No:	626-744-4416
Facility Type Cd:	WL	Phone Ext No:	-
Facility Type Desc:	Well	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	626-744-4670
Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NET
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	L	Owner Type:	Local government
PWS Type Code:	CWS	PWS Type:	Community water system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	SW	Primary Srce:	Surface water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Unreported
Subms Sts Cd Vio:	U	Pop Srvd Cnt:	161,259
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	37355

Wells and Additional Sources Detail Report

Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Sllr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	U	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	4
Submission Year:	2013	Validity Ind:	No
Submission Yr Qtr:	2013Q4		

--Details--

Treatment ID: -

Treatment Process Code: -

Treatment Process: -

Treatment Objective Code: -

Treatment Objective: -

Treatment Plant City: -

Treatment Plant State: -

Treatment Plant Addr 1: -

Treatment Plant Addr 2: -

Treatment Plant Zip Code: -

Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910124	Pop Cat 11:	100,001-250,000
Facility ID:	12	Pop Cat 11 Cd:	8
Facility Name:	JOURDAN - INACTIVE	Pop Cat 2:	10,000+
EPA Region Code:	09	Pop Cat 2 Cd:	2
EPA Region:	Region 9	Pop Cat 3:	3,301-50,000
Season Begin Date:	-	Pop Cat 3 Cd:	3
Season End Date:	-	Pop Cat 4:	100K+
Deactivation Date:	-	Pop Cat 4 Cd:	4
Fac Deactvtn Dt:	-	Pop Cat 5:	>100,000
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	5
Last Rptd Date:	18-DEC-13	ORG Name:	KWAN, SHAN
Primacy Agency:	California	Admin Name:	KWAN, SHAN
Is Source Ind:	Yes	Phone No:	626-744-4416
Facility Type Cd:	WL	Phone Ext No:	-
Facility Type Desc:	Well	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	626-744-4670
Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NET
Availability Code:	O	Avlbty Desc:	Other
Water Type Code:	GW	Wtr Tp Desc:	Ground water

Wells and Additional Sources Detail Report

DBPR Schd Ctg Cd: -	DBPR Schd Ctg: -
Facility Activity Cd: A	Fac Activity: Active
Filtrtn Status Cd: -	Filt Stat Desc: -
GW or SW Code: SW	GW or SS: Surface water
LT2 Sch Ctgry Cd: -	LT2 Sched Ctg: -
Owner Type Code: L	Owner Type: Local government
PWS Type Code: CWS	PWS Type: Community water system
Primcy Agency Cd: CA	Primacy Type: State
Primary Source Cd: SW	Primary Srce: Surface water
Seller Treatmnt Cd: -	Seller Trt Dsc: -
Submsn Status Cd: Y	Sub Stat Dsc: Unreported
Subms Sts Cd Vio: U	Pop Srvd Cnt: 161,259
Is Grant Eligible: Yes	Srv Cnctn Cnt: 37355
Outstndng Perfrm: -	Seller PWSID: -
Outstndng Perf Dt: -	Sllr PWS Nm: -
Schl or Dycare: No	CDS ID: -
Source Treated Ind: U	Country Code: US
Src Wtr Protected: -	Cntry Nm BTP: -
Src Wtr Prot Dt: -	State Code: CA
NPM Candidate: Yes	State Fac ID: -
Is Wholesaler: No	Sub Quarter: 4
Submission Year: 2013	Validity Ind: No
Submission Yr Qtr: 2013Q4	

--Details--

Treatment ID: -

Treatment Process Code: -

Treatment Process: -

Treatment Objective Code: -

Treatment Objective: -

Treatment Plant City: -

Treatment Plant State: -

Treatment Plant Addr 1: -

Treatment Plant Addr 2: -

Treatment Plant Zip Code: -

Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID: CA1910124	Pop Cat 11: 100,001-250,000
Facility ID: 26	Pop Cat 11 Cd: 8
Facility Name: AERATION - SOUTH TOWER - INFLUENT	Pop Cat 2: 10,000+
EPA Region Code: 09	Pop Cat 2 Cd: 2
EPA Region: Region 9	Pop Cat 3: 3,301-50,000
Season Begin Date: -	Pop Cat 3 Cd: 3

Wells and Additional Sources Detail Report

Season End Date:	-	Pop Cat 4:	100K+
Deactivation Date:	-	Pop Cat 4 Cd:	4
Fac Deactvtn Dt:	-	Pop Cat 5:	>100,000
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	5
Last Rptd Date:	18-DEC-13	ORG Name:	KWAN, SHAN
Primacy Agency:	California	Admin Name:	KWAN, SHAN
Is Source Ind:	Yes	Phone No:	626-744-4416
Facility Type Cd:	WL	Phone Ext No:	-
Facility Type Desc:	Well	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	626-744-4670
Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NET
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	L	Owner Type:	Local government
PWS Type Code:	CWS	PWS Type:	Community water system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	SW	Primary Srce:	Surface water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Unreported
Subms Sts Cd Vio:	U	Pop Srvd Cnt:	161,259
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	37355
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	SIlr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	U	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	4
Submission Year:	2013	Validity Ind:	No
Submission Yr Qtr:	2013Q4		

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-
Treatment Objective Code:	-
Treatment Objective:	-
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-

Wells and Additional Sources Detail Report

Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910124	Pop Cat 11:	100,001-250,000
Facility ID:	28400	Pop Cat 11 Cd:	8
Facility Name:	JOHN L BEHNER WTP EFFLUENT - INACTIVE	Pop Cat 2:	10,000+
EPA Region Code:	09	Pop Cat 2 Cd:	2
EPA Region:	Region 9	Pop Cat 3:	3,301-50,000
Season Begin Date:	-	Pop Cat 3 Cd:	3
Season End Date:	-	Pop Cat 4:	100K+
Deactivation Date:	-	Pop Cat 4 Cd:	4
Fac Deactvtn Dt:	01-JUL-95	Pop Cat 5:	>100,000
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	5
Last Rptd Date:	01-APR-16	ORG Name:	KWAN, SHAN
Primacy Agency:	California	Admin Name:	KWAN, SHAN
Is Source Ind:	Yes	Phone No:	626-744-4416
Facility Type Cd:	IN	Phone Ext No:	-
Facility Type Desc:	Intake	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	626-744-4670
Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NE T
Availability Code:	O	Avlblty Desc:	Other
Water Type Code:	SW	Wtr Tp Desc:	Surface water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	I	Fac Activity:	Inactive
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgy Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	L	Owner Type:	Local government
PWS Type Code:	CWS	PWS Type:	Community water system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	SWP	Primary Srce:	Surface water purchased
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	165,740
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	36314
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Sllr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	N	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	011

Wells and Additional Sources Detail Report

Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qtr:	2016Q1		

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-
Treatment Objective Code:	-
Treatment Objective:	-
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910124	Pop Cat 11:	100,001-250,000
Facility ID:	45	Pop Cat 11 Cd:	8
Facility Name:	WELL 58	Pop Cat 2:	10,000+
EPA Region Code:	09	Pop Cat 2 Cd:	2
EPA Region:	Region 9	Pop Cat 3:	3,301-50,000
Season Begin Date:	-	Pop Cat 3 Cd:	3
Season End Date:	-	Pop Cat 4:	100K+
Deactivation Date:	-	Pop Cat 4 Cd:	4
Fac Deactvtn Dt:	-	Pop Cat 5:	>100,000
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	5
Last Rptd Date:	18-DEC-13	ORG Name:	KWAN, SHAN
Primacy Agency:	California	Admin Name:	KWAN, SHAN
Is Source Ind:	Yes	Phone No:	626-744-4416
Facility Type Cd:	WL	Phone Ext No:	-
Facility Type Desc:	Well	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	626-744-4670
Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NET
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgy Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	L	Owner Type:	Local government
PWS Type Code:	CWS	PWS Type:	Community water system

Wells and Additional Sources Detail Report

Primacy Agency Cd: CA	Primacy Type: State
Primary Source Cd: SW	Primary Srce: Surface water
Seller Treatmnt Cd: -	Seller Trt Dsc: -
Submsn Status Cd: Y	Sub Stat Dsc: Unreported
Subms Sts Cd Vio: U	Pop Srvd Cnt: 161,259
Is Grant Eligible: Yes	Srv Cnctn Cnt: 37355
Outstndng Perfrm: -	Seller PWSID: -
Outstndng Perf Dt: -	SIlr PWS Nm: -
Schl or Dycare: No	CDS ID: -
Source Treated Ind: U	Country Code: US
Src Wtr Protected: -	Cntry Nm BTP: -
Src Wtr Prot Dt: -	State Code: CA
NPM Candidate: Yes	State Fac ID: -
Is Wholesaler: No	Sub Quarter: 4
Submission Year: 2013	Validity Ind: No
Submission Yr Qtr: 2013Q4	

--Details--

Treatment ID: -

Treatment Process Code: -

Treatment Process: -

Treatment Objective Code: -

Treatment Objective: -

Treatment Plant City: -

Treatment Plant State: -

Treatment Plant Addr 1: -

Treatment Plant Addr 2: -

Treatment Plant Zip Code: -

Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID: CA1910124	Pop Cat 11: 100,001-250,000
Facility ID: 5	Pop Cat 11 Cd: 8
Facility Name: CHAPMAN	Pop Cat 2: 10,000+
EPA Region Code: 09	Pop Cat 2 Cd: 2
EPA Region: Region 9	Pop Cat 3: 3,301-50,000
Season Begin Date: -	Pop Cat 3 Cd: 3
Season End Date: -	Pop Cat 4: 100K+
Deactivation Date: -	Pop Cat 4 Cd: 4
Fac Deactvtn Dt: -	Pop Cat 5: >100,000
First Rptd Dt: 22-MAR-79	Pop Cat 5 Cd: 5
Last Rptd Date: 18-DEC-13	ORG Name: KWAN, SHAN
Primacy Agency: California	Admin Name: KWAN, SHAN
Is Source Ind: Yes	Phone No: 626-744-4416

Wells and Additional Sources Detail Report

Facility Type Cd:	WL	Phone Ext No:	-
Facility Type Desc:	Well	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	626-744-4670
Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NET
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgy Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	L	Owner Type:	Local government
PWS Type Code:	CWS	PWS Type:	Community water system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	SW	Primary Srce:	Surface water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Unreported
Subms Sts Cd Vio:	U	Pop Srvd Cnt:	161,259
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	37355
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Sllr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	U	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	4
Submission Year:	2013	Validity Ind:	No
Submission Yr Qtr:	2013Q4		

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-
Treatment Objective Code:	-
Treatment Objective:	-
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

Wells and Additional Sources Detail Report

PWS ID:	CA1910124	Pop Cat 11:	100,001-250,000
Facility ID:	41	Pop Cat 11 Cd:	8
Facility Name:	GARFIELD - CHLORINATION	Pop Cat 2:	10,000+
EPA Region Code:	09	Pop Cat 2 Cd:	2
EPA Region:	Region 9	Pop Cat 3:	3,301-50,000
Season Begin Date:	-	Pop Cat 3 Cd:	3
Season End Date:	-	Pop Cat 4:	100K+
Deactivation Date:	-	Pop Cat 4 Cd:	4
Fac Deactvtn Dt:	-	Pop Cat 5:	>100,000
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	5
Last Rptd Date:	18-DEC-13	ORG Name:	KWAN, SHAN
Primacy Agency:	California	Admin Name:	KWAN, SHAN
Is Source Ind:	No	Phone No:	626-744-4416
Facility Type Cd:	TP	Phone Ext No:	-
Facility Type Desc:	Treatment Plant	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	626-744-4670
Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NET
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	-	Wtr Tp Desc:	-
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgy Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	L	Owner Type:	Local government
PWS Type Code:	CWS	PWS Type:	Community water system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	SW	Primary Srce:	Surface water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Unreported
Subms Sts Cd Vio:	U	Pop Srvd Cnt:	161,259
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	37355
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Slr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	4
Submission Year:	2013	Validity Ind:	No
Submission Yr Qtr:	2013Q4		

--Details--

Treatment ID:	1
Treatment Process Code:	401
Treatment Process:	Gaseous Chlorination, Post

Wells and Additional Sources Detail Report

Treatment Objective Code: D
 Treatment Objective: Disinfection
 Treatment Plant City: -
 Treatment Plant State: -
 Treatment Plant Addr 1: -
 Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910124	Pop Cat 11:	100,001-250,000
Facility ID:	20330	Pop Cat 11 Cd:	8
Facility Name:	SHELDON - INACTIVE	Pop Cat 2:	10,000+
EPA Region Code:	09	Pop Cat 2 Cd:	2
EPA Region:	Region 9	Pop Cat 3:	3,301-50,000
Season Begin Date:	-	Pop Cat 3 Cd:	3
Season End Date:	-	Pop Cat 4:	100K+
Deactivation Date:	-	Pop Cat 4 Cd:	4
Fac Deactvtn Dt:	01-JUL-95	Pop Cat 5:	>100,000
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	5
Last Rptd Date:	01-APR-16	ORG Name:	KWAN, SHAN
Primacy Agency:	California	Admin Name:	KWAN, SHAN
Is Source Ind:	Yes	Phone No:	626-744-4416
Facility Type Cd:	WL	Phone Ext No:	-
Facility Type Desc:	Well	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	626-744-4670
Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NET
Availability Code:	O	Avlblty Desc:	Other
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	I	Fac Activity:	Inactive
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	L	Owner Type:	Local government
PWS Type Code:	CWS	PWS Type:	Community water system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	SWP	Primary Srce:	Surface water purchased
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	165,740
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	36314
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Sllr PWS Nm:	-

Wells and Additional Sources Detail Report

Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	017
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qtr:	2016Q1		

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-
Treatment Objective Code:	-
Treatment Objective:	-
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910124	Pop Cat 11:	100,001-250,000
Facility ID:	14	Pop Cat 11 Cd:	8
Facility Name:	MONTE VISTA	Pop Cat 2:	10,000+
EPA Region Code:	09	Pop Cat 2 Cd:	2
EPA Region:	Region 9	Pop Cat 3:	3,301-50,000
Season Begin Date:	-	Pop Cat 3 Cd:	3
Season End Date:	-	Pop Cat 4:	100K+
Deactivation Date:	-	Pop Cat 4 Cd:	4
Fac Deactvtn Dt:	-	Pop Cat 5:	>100,000
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	5
Last Rptd Date:	18-DEC-13	ORG Name:	KWAN, SHAN
Primacy Agency:	California	Admin Name:	KWAN, SHAN
Is Source Ind:	Yes	Phone No:	626-744-4416
Facility Type Cd:	WL	Phone Ext No:	-
Facility Type Desc:	Well	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	626-744-4670
Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NE T
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active

Wells and Additional Sources Detail Report

Filtrtn Status Cd: -	Filt Stat Desc: -
GW or SW Code: SW	GW or SS: Surface water
LT2 Sch Ctgry Cd: -	LT2 Sched Ctg: -
Owner Type Code: L	Owner Type: Local government
PWS Type Code: CWS	PWS Type: Community water system
Primcy Agency Cd: CA	Primacy Type: State
Primary Source Cd: SW	Primary Srce: Surface water
Seller Treatmnt Cd: -	Seller Trt Dsc: -
Submsn Status Cd: Y	Sub Stat Dsc: Unreported
Subms Sts Cd Vio: U	Pop Srvd Cnt: 161,259
Is Grant Eligible: Yes	Srv Cnctn Cnt: 37355
Outstndng Perfrm: -	Seller PWSID: -
Outstndng Perf Dt: -	Slr PWS Nm: -
Schl or Dycare: No	CDS ID: -
Source Treated Ind: U	Country Code: US
Src Wtr Protected: -	Cntry Nm BTP: -
Src Wtr Prot Dt: -	State Code: CA
NPM Candidate: Yes	State Fac ID: -
Is Wholesaler: No	Sub Quarter: 4
Submission Year: 2013	Validity Ind: No
Submission Yr Qtr: 2013Q4	

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-
Treatment Objective Code:	-
Treatment Objective:	-
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID: CA1910439	Pop Cat 11: <=100
Facility ID: 1	Pop Cat 11 Cd: 1
Facility Name: IMPOUNDING RES	Pop Cat 2: <10,000
EPA Region Code: 09	Pop Cat 2 Cd: 1
EPA Region: Region 9	Pop Cat 3: <=3300
Season Begin Date: 01-01	Pop Cat 3 Cd: 1
Season End Date: 12-31	Pop Cat 4: <10K
Deactivation Date: 01-NOV-93	Pop Cat 4 Cd: 1

Wells and Additional Sources Detail Report

Fac Deactivtn Dt:	01-NOV-93	Pop Cat 5:	<=500
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	1
Last Rptd Date:	24-JUL-95	ORG Name:	-
Primacy Agency:	California	Admin Name:	USFS ANGELES NF
Is Source Ind:	Yes	Phone No:	-
Facility Type Cd:	IN	Phone Ext No:	-
Facility Type Desc:	Intake	Alt Phone No:	-
Activity Status Cd:	I	Fax No:	-
Activity Status:	Inactive	Email Addr:	-
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	SW	Wtr Tp Desc:	Surface water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	I	Fac Activity:	Inactive
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	F	Owner Type:	Federal government
PWS Type Code:	TNCWS	PWS Type:	Transient non-community system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	SW	Primary Srce:	Surface water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	25
Is Grant Eligible:	No	Srv Cnctn Cnt:	0
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Sllr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	Y	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	No	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qtr:	2016Q1		

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-
Treatment Objective Code:	-
Treatment Objective:	-
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Wells and Additional Sources Detail Report

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

<p>PWS ID: CA1910124</p> <p>Facility ID: 8</p> <p>Facility Name: EATON CANYON STREAM - RAW - INACTIVE</p> <p>EPA Region Code: 09</p> <p>EPA Region: Region 9</p> <p>Season Begin Date: -</p> <p>Season End Date: -</p> <p>Deactivation Date: -</p> <p>Fac Deactivtn Dt: -</p> <p>First Rptd Dt: 22-MAR-79</p> <p>Last Rptd Date: 18-DEC-13</p> <p>Primacy Agency: California</p> <p>Is Source Ind: Yes</p> <p>Facility Type Cd: IN</p> <p>Facility Type Desc: Intake</p> <p>Activity Status Cd: A</p> <p>Activity Status: Active</p> <p>Availability Code: O</p> <p>Water Type Code: SW</p> <p>DBPR Schd Ctg Cd: -</p> <p>Facility Activity Cd: A</p> <p>Filtrtn Status Cd: -</p> <p>GW or SW Code: SW</p> <p>LT2 Sch Ctgry Cd: -</p> <p>Owner Type Code: L</p> <p>PWS Type Code: CWS</p> <p>Primcy Agency Cd: CA</p> <p>Primary Source Cd: SW</p> <p>Seller Treatmnt Cd: -</p> <p>Submsn Status Cd: Y</p> <p>Subms Sts Cd Vio: U</p> <p>Is Grant Eligible: Yes</p> <p>Outstndng Perfrm: -</p> <p>Outstndng Perf Dt: -</p> <p>Schl or Dycare: No</p> <p>Source Treated Ind: U</p> <p>Src Wtr Protected: -</p> <p>Src Wtr Prot Dt: -</p> <p>NPM Candidate: Yes</p> <p>Is Wholesaler: No</p> <p>Submission Year: 2013</p> <p>Submission Yr Qtr: 2013Q4</p>	<p>Pop Cat 11: 100,001-250,000</p> <p>Pop Cat 11 Cd: 8</p> <p>Pop Cat 2: 10,000+</p> <p>Pop Cat 2 Cd: 2</p> <p>Pop Cat 3: 3,301-50,000</p> <p>Pop Cat 3 Cd: 3</p> <p>Pop Cat 4: 100K+</p> <p>Pop Cat 4 Cd: 4</p> <p>Pop Cat 5: >100,000</p> <p>Pop Cat 5 Cd: 5</p> <p>ORG Name: KWAN, SHAN</p> <p>Admin Name: KWAN, SHAN</p> <p>Phone No: 626-744-4416</p> <p>Phone Ext No: -</p> <p>Alt Phone No: -</p> <p>Fax No: 626-744-4670</p> <p>Email Addr: SKWAN@CITYOFPASADENA.NET</p> <p>Avlblty Desc: Other</p> <p>Wtr Tp Desc: Surface water</p> <p>DBPR Schd Ctg: -</p> <p>Fac Activity: Active</p> <p>Filt Stat Desc: -</p> <p>GW or SS: Surface water</p> <p>LT2 Sched Ctg: -</p> <p>Owner Type: Local government</p> <p>PWS Type: Community water system</p> <p>Primacy Type: State</p> <p>Primary Srce: Surface water</p> <p>Seller Trt Dsc: -</p> <p>Sub Stat Dsc: Unreported</p> <p>Pop Srvd Cnt: 161,259</p> <p>Srv Cnctn Cnt: 37355</p> <p>Seller PWSID: -</p> <p>Sllr PWS Nm: -</p> <p>CDS ID: -</p> <p>Country Code: US</p> <p>Cntry Nm BTP: -</p> <p>State Code: CA</p> <p>State Fac ID: -</p> <p>Sub Quarter: 4</p> <p>Validity Ind: No</p>
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Wells and Additional Sources Detail Report

--Details--

Treatment ID: -
 Treatment Process Code: -
 Treatment Process: -
 Treatment Objective Code: -
 Treatment Objective: -
 Treatment Plant City: -
 Treatment Plant State: -
 Treatment Plant Addr 1: -
 Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910411	Pop Cat 11:	<=100
Facility ID:	1T	Pop Cat 11 Cd:	1
Facility Name:	WELL	Pop Cat 2:	<10,000
EPA Region Code:	09	Pop Cat 2 Cd:	1
EPA Region:	Region 9	Pop Cat 3:	<=3300
Season Begin Date:	01-01	Pop Cat 3 Cd:	1
Season End Date:	12-31	Pop Cat 4:	<10K
Deactivation Date:	01-NOV-93	Pop Cat 4 Cd:	1
Fac Deactvtn Dt:	01-NOV-93	Pop Cat 5:	<=500
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	1
Last Rptd Date:	24-JUL-95	ORG Name:	-
Primacy Agency:	California	Admin Name:	USFS ANGELES NF
Is Source Ind:	No	Phone No:	-
Facility Type Cd:	TP	Phone Ext No:	-
Facility Type Desc:	Treatment Plant	Alt Phone No:	-
Activity Status Cd:	I	Fax No:	-
Activity Status:	Inactive	Email Addr:	-
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	I	Fac Activity:	Inactive
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	GW	GW or SS:	Groundwater
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	F	Owner Type:	Federal government
PWS Type Code:	TNCWS	PWS Type:	Transient non-community system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	GW	Primary Srce:	Ground water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-

Wells and Additional Sources Detail Report

Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	25
Is Grant Eligible:	No	Srv Cnctn Cnt:	0
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Sllr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	No	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qtr:	2016Q1		

--Details--

Treatment ID:	4
Treatment Process Code:	348
Treatment Process:	Filtered
Treatment Objective Code:	P
Treatment Objective:	Particulate removal
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-
Treatment ID:	5
Treatment Process Code:	473
Treatment Process:	Converted (FRDS-1.5)
Treatment Objective Code:	C
Treatment Objective:	Corrosion control
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-
Treatment ID:	11
Treatment Process Code:	461
Treatment Process:	Chlorination (FRDS-1.5)
Treatment Objective Code:	D
Treatment Objective:	Disinfection
Treatment Plant City:	-
Treatment Plant State:	-

Wells and Additional Sources Detail Report

Treatment Plant Addr 1: -
 Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910409	Pop Cat 11:	<=100
Facility ID:	1T	Pop Cat 11 Cd:	1
Facility Name:	SPRING	Pop Cat 2:	<10,000
EPA Region Code:	09	Pop Cat 2 Cd:	1
EPA Region:	Region 9	Pop Cat 3:	<=3300
Season Begin Date:	01-01	Pop Cat 3 Cd:	1
Season End Date:	12-31	Pop Cat 4:	<10K
Deactivation Date:	01-NOV-93	Pop Cat 4 Cd:	1
Fac Deactvtn Dt:	01-NOV-93	Pop Cat 5:	<=500
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	1
Last Rptd Date:	24-JUL-95	ORG Name:	-
Primacy Agency:	California	Admin Name:	USFS ANGELES NF
Is Source Ind:	No	Phone No:	-
Facility Type Cd:	TP	Phone Ext No:	-
Facility Type Desc:	Treatment Plant	Alt Phone No:	-
Activity Status Cd:	I	Fax No:	-
Activity Status:	Inactive	Email Addr:	-
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	I	Fac Activity:	Inactive
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	GW	GW or SS:	Groundwater
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	F	Owner Type:	Federal government
PWS Type Code:	TNCWS	PWS Type:	Transient non-community system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	GW	Primary Srce:	Ground water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	25
Is Grant Eligible:	No	Srv Cnctn Cnt:	0
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Slr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA

Wells and Additional Sources Detail Report

NPM Candidate:	No	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qtr:	2016Q1		

--Details--

Treatment ID:	4
Treatment Process Code:	348
Treatment Process:	Filtered
Treatment Objective Code:	P
Treatment Objective:	Particulate removal
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Treatment ID:	5
Treatment Process Code:	473
Treatment Process:	Converted (FRDS-1.5)
Treatment Objective Code:	C
Treatment Objective:	Corrosion control
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Treatment ID:	11
Treatment Process Code:	461
Treatment Process:	Chlorination (FRDS-1.5)
Treatment Objective Code:	D
Treatment Objective:	Disinfection
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

Wells and Additional Sources Detail Report

PWS ID:	CA1910124	Pop Cat 11:	100,001-250,000
Facility ID:	20	Pop Cat 11 Cd:	8
Facility Name:	VILLA	Pop Cat 2:	10,000+
EPA Region Code:	09	Pop Cat 2 Cd:	2
EPA Region:	Region 9	Pop Cat 3:	3,301-50,000
Season Begin Date:	-	Pop Cat 3 Cd:	3
Season End Date:	-	Pop Cat 4:	100K+
Deactivation Date:	-	Pop Cat 4 Cd:	4
Fac Deactvtn Dt:	-	Pop Cat 5:	>100,000
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	5
Last Rptd Date:	18-DEC-13	ORG Name:	KWAN, SHAN
Primacy Agency:	California	Admin Name:	KWAN, SHAN
Is Source Ind:	Yes	Phone No:	626-744-4416
Facility Type Cd:	WL	Phone Ext No:	-
Facility Type Desc:	Well	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	626-744-4670
Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NET
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgy Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	L	Owner Type:	Local government
PWS Type Code:	CWS	PWS Type:	Community water system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	SW	Primary Srce:	Surface water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Unreported
Subms Sts Cd Vio:	U	Pop Srvd Cnt:	161,259
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	37355
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Slr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	U	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	4
Submission Year:	2013	Validity Ind:	No
Submission Yr Qtr:	2013Q4		

--Details--

Treatment ID: -
 Treatment Process Code: -
 Treatment Process: -

Wells and Additional Sources Detail Report

Treatment Objective -
 Code:
 Treatment Objective: -
 Treatment Plant City: -
 Treatment Plant State: -
 Treatment Plant Addr 1: -
 Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910427	Pop Cat 11:	<=100
Facility ID:	1T	Pop Cat 11 Cd:	1
Facility Name:	WELL	Pop Cat 2:	<10,000
EPA Region Code:	09	Pop Cat 2 Cd:	1
EPA Region:	Region 9	Pop Cat 3:	<=3300
Season Begin Date:	01-01	Pop Cat 3 Cd:	1
Season End Date:	12-31	Pop Cat 4:	<10K
Deactivation Date:	01-NOV-93	Pop Cat 4 Cd:	1
Fac Deactvtn Dt:	01-NOV-93	Pop Cat 5:	<=500
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	1
Last Rptd Date:	24-JUL-95	ORG Name:	-
Primacy Agency:	California	Admin Name:	USFS ANGELES NF
Is Source Ind:	No	Phone No:	-
Facility Type Cd:	TP	Phone Ext No:	-
Facility Type Desc:	Treatment Plant	Alt Phone No:	-
Activity Status Cd:	I	Fax No:	-
Activity Status:	Inactive	Email Addr:	-
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	I	Fac Activity:	Inactive
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	GW	GW or SS:	Groundwater
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	F	Owner Type:	Federal government
PWS Type Code:	TNCWS	PWS Type:	Transient non-community system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	GW	Primary Srce:	Ground water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	25
Is Grant Eligible:	No	Srv Cnctn Cnt:	0
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Sllr PWS Nm:	-

Wells and Additional Sources Detail Report

Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	No	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qtr:	2016Q1		

--Details--

Treatment ID:	11
Treatment Process Code:	461
Treatment Process:	Chlorination (FRDS-1.5)
Treatment Objective Code:	D
Treatment Objective:	Disinfection
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Treatment ID:	5
Treatment Process Code:	473
Treatment Process:	Converted (FRDS-1.5)
Treatment Objective Code:	C
Treatment Objective:	Corrosion control
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Treatment ID:	4
Treatment Process Code:	348
Treatment Process:	Filtered
Treatment Objective Code:	P
Treatment Objective:	Particulate removal
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Wells and Additional Sources Detail Report

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910124	Pop Cat 11:	100,001-250,000
Facility ID:	16	Pop Cat 11 Cd:	8
Facility Name:	POST - DESTROYED	Pop Cat 2:	10,000+
EPA Region Code:	09	Pop Cat 2 Cd:	2
EPA Region:	Region 9	Pop Cat 3:	3,301-50,000
Season Begin Date:	-	Pop Cat 3 Cd:	3
Season End Date:	-	Pop Cat 4:	100K+
Deactivation Date:	-	Pop Cat 4 Cd:	4
Fac Deactvtn Dt:	-	Pop Cat 5:	>100,000
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	5
Last Rptd Date:	18-DEC-13	ORG Name:	KWAN, SHAN
Primacy Agency:	California	Admin Name:	KWAN, SHAN
Is Source Ind:	Yes	Phone No:	626-744-4416
Facility Type Cd:	WL	Phone Ext No:	-
Facility Type Desc:	Well	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	626-744-4670
Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NE T
Availability Code:	O	Avlblty Desc:	Other
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	L	Owner Type:	Local government
PWS Type Code:	CWS	PWS Type:	Community water system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	SW	Primary Srce:	Surface water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Unreported
Subms Sts Cd Vio:	U	Pop Srvd Cnt:	161,259
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	37355
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Slr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	U	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	4
Submission Year:	2013	Validity Ind:	No
Submission Yr Qtr:	2013Q4		

Wells and Additional Sources Detail Report

--Details--

Treatment ID: -
 Treatment Process Code: -
 Treatment Process: -
 Treatment Objective Code: -
 Treatment Objective: -
 Treatment Plant City: -
 Treatment Plant State: -
 Treatment Plant Addr 1: -
 Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910124	Pop Cat 11:	100,001-250,000
Facility ID:	9302	Pop Cat 11 Cd:	8
Facility Name:	CHAPMAN	Pop Cat 2:	10,000+
EPA Region Code:	09	Pop Cat 2 Cd:	2
EPA Region:	Region 9	Pop Cat 3:	3,301-50,000
Season Begin Date:	-	Pop Cat 3 Cd:	3
Season End Date:	-	Pop Cat 4:	100K+
Deactivation Date:	-	Pop Cat 4 Cd:	4
Fac Deactivtn Dt:	-	Pop Cat 5:	>100,000
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	5
Last Rptd Date:	01-APR-16	ORG Name:	KWAN, SHAN
Primacy Agency:	California	Admin Name:	KWAN, SHAN
Is Source Ind:	Yes	Phone No:	626-744-4416
Facility Type Cd:	WL	Phone Ext No:	-
Facility Type Desc:	Well	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	626-744-4670
Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NE T
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	L	Owner Type:	Local government
PWS Type Code:	CWS	PWS Type:	Community water system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	SWP	Primary Srce:	Surface water purchased
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted

Wells and Additional Sources Detail Report

Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	165,740
Is Grant Eligible:	Yes	Srvs Cnctn Cnt:	36314
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Sllr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	Y	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	005
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qtr:	2016Q1		

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-
Treatment Objective Code:	-
Treatment Objective:	-
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910424	Pop Cat 11:	<=100
Facility ID:	1	Pop Cat 11 Cd:	1
Facility Name:	WELL	Pop Cat 2:	<10,000
EPA Region Code:	09	Pop Cat 2 Cd:	1
EPA Region:	Region 9	Pop Cat 3:	<=3300
Season Begin Date:	01-01	Pop Cat 3 Cd:	1
Season End Date:	12-31	Pop Cat 4:	<10K
Deactivation Date:	01-NOV-93	Pop Cat 4 Cd:	1
Fac Deactvtn Dt:	01-NOV-93	Pop Cat 5:	<=500
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	1
Last Rptd Date:	24-JUL-95	ORG Name:	-
Primacy Agency:	California	Admin Name:	USFS ANGELES NF
Is Source Ind:	Yes	Phone No:	-
Facility Type Cd:	WL	Phone Ext No:	-
Facility Type Desc:	Well	Alt Phone No:	-
Activity Status Cd:	I	Fax No:	-
Activity Status:	Inactive	Email Addr:	-

Wells and Additional Sources Detail Report

Availability Code: P	Avlblty Desc: Permanent
Water Type Code: GW	Wtr Tp Desc: Ground water
DBPR Schd Ctg Cd: -	DBPR Schd Ctg: -
Facility Activity Cd: I	Fac Activity: Inactive
Filtrtn Status Cd: -	Filt Stat Desc: -
GW or SW Code: GW	GW or SS: Groundwater
LT2 Sch Ctgry Cd: -	LT2 Sched Ctg: -
Owner Type Code: F	Owner Type: Federal government
PWS Type Code: TNCWS	PWS Type: Transient non-community system
Primcy Agency Cd: CA	Primacy Type: State
Primary Source Cd: GW	Primary Srce: Ground water
Seller Treatmnt Cd: -	Seller Trt Dsc: -
Submsn Status Cd: Y	Sub Stat Dsc: Reported and accepted
Subms Sts Cd Vio: Y	Pop Srvd Cnt: 25
Is Grant Eligible: No	Srv Cnctn Cnt: 0
Outstndng Perfrm: -	Seller PWSID: -
Outstndng Perf Dt: -	Sllr PWS Nm: -
Schl or Dycare: No	CDS ID: -
Source Treated Ind: Y	Country Code: US
Src Wtr Protected: -	Cntry Nm BTP: -
Src Wtr Prot Dt: -	State Code: CA
NPM Candidate: No	State Fac ID: -
Is Wholesaler: No	Sub Quarter: 1
Submission Year: 2016	Validity Ind: Yes
Submission Yr Qtr: 2016Q1	

--Details--

Treatment ID: -

Treatment Process Code: -

Treatment Process: -

Treatment Objective Code: -

Treatment Objective: -

Treatment Plant City: -

Treatment Plant State: -

Treatment Plant Addr 1: -

Treatment Plant Addr 2: -

Treatment Plant Zip Code: -

Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID: CA1910124	Pop Cat 11: 100,001-250,000
Facility ID: CA1910124045	Pop Cat 11 Cd: 8
Facility Name: WELL 58	Pop Cat 2: 10,000+
EPA Region Code: 09	Pop Cat 2 Cd: 2

Wells and Additional Sources Detail Report

EPA Region:	Region 9	Pop Cat 3:	3,301-50,000
Season Begin Date:	-	Pop Cat 3 Cd:	3
Season End Date:	-	Pop Cat 4:	100K+
Deactivation Date:	-	Pop Cat 4 Cd:	4
Fac Deactvtn Dt:	-	Pop Cat 5:	>100,000
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	5
Last Rptd Date:	18-DEC-13	ORG Name:	KWAN, SHAN
Primacy Agency:	California	Admin Name:	KWAN, SHAN
Is Source Ind:	Yes	Phone No:	626-744-4416
Facility Type Cd:	WL	Phone Ext No:	-
Facility Type Desc:	Well	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	626-744-4670
Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NET
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	L	Owner Type:	Local government
PWS Type Code:	CWS	PWS Type:	Community water system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	SW	Primary Srce:	Surface water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Unreported
Subms Sts Cd Vio:	U	Pop Srvd Cnt:	161,259
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	37355
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Slr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	4
Submission Year:	2013	Validity Ind:	No
Submission Yr Qtr:	2013Q4		

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-
Treatment Objective Code:	-
Treatment Objective:	-
Treatment Plant City:	-

Wells and Additional Sources Detail Report

Treatment Plant State: -
 Treatment Plant Addr 1: -
 Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910438	Pop Cat 11:	<=100
Facility ID:	1	Pop Cat 11 Cd:	1
Facility Name:	SPRING	Pop Cat 2:	<10,000
EPA Region Code:	09	Pop Cat 2 Cd:	1
EPA Region:	Region 9	Pop Cat 3:	<=3300
Season Begin Date:	01-01	Pop Cat 3 Cd:	1
Season End Date:	12-31	Pop Cat 4:	<10K
Deactivation Date:	01-NOV-93	Pop Cat 4 Cd:	1
Fac Deactivtn Dt:	01-NOV-93	Pop Cat 5:	<=500
First Rptd Dt:	02-DEC-81	Pop Cat 5 Cd:	1
Last Rptd Date:	24-JUL-95	ORG Name:	-
Primacy Agency:	California	Admin Name:	USFS ANGELES NF
Is Source Ind:	Yes	Phone No:	-
Facility Type Cd:	WL	Phone Ext No:	-
Facility Type Desc:	Well	Alt Phone No:	-
Activity Status Cd:	I	Fax No:	-
Activity Status:	Inactive	Email Addr:	-
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	I	Fac Activity:	Inactive
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	GW	GW or SS:	Groundwater
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	-	Owner Type:	Unknown Owner Type
PWS Type Code:	TNCWS	PWS Type:	Transient non-community system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	GW	Primary Srce:	Ground water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	25
Is Grant Eligible:	No	Srv Cnctn Cnt:	0
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Slr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	Y	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-

Wells and Additional Sources Detail Report

Src Wtr Prot Dt: -	State Code: CA
NPM Candidate: No	State Fac ID: -
Is Wholesaler: No	Sub Quarter: 1
Submission Year: 2016	Validity Ind: Yes
Submission Yr Qtr: 2016Q1	

--Details--

Treatment ID: -

Treatment Process Code: -

Treatment Process: -

Treatment Objective Code: -

Treatment Objective: -

Treatment Plant City: -

Treatment Plant State: -

Treatment Plant Addr 1: -

Treatment Plant Addr 2: -

Treatment Plant Zip Code: -

Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID: CA1910124	Pop Cat 11: 100,001-250,000
Facility ID: 28398	Pop Cat 11 Cd: 8
Facility Name: DISTRIBUTION SYSTEM	Pop Cat 2: 10,000+
EPA Region Code: 09	Pop Cat 2 Cd: 2
EPA Region: Region 9	Pop Cat 3: 3,301-50,000
Season Begin Date: -	Pop Cat 3 Cd: 3
Season End Date: -	Pop Cat 4: 100K+
Deactivation Date: -	Pop Cat 4 Cd: 4
Fac Deactvtn Dt: -	Pop Cat 5: >100,000
First Rptd Dt: 22-MAR-79	Pop Cat 5 Cd: 5
Last Rptd Date: 01-APR-16	ORG Name: KWAN, SHAN
Primacy Agency: California	Admin Name: KWAN, SHAN
Is Source Ind: No	Phone No: 626-744-4416
Facility Type Cd: DS	Phone Ext No: -
Facility Type Desc: Distribution System/Zone	Alt Phone No: -
Activity Status Cd: A	Fax No: 626-744-4670
Activity Status: Active	Email Addr: SKWAN@CITYOFPASADENA.NET
Availability Code: -	Avlblty Desc: -
Water Type Code: -	Wtr Tp Desc: -
DBPR Schd Ctg Cd: -	DBPR Schd Ctg: -
Facility Activity Cd: A	Fac Activity: Active
Filtrtn Status Cd: -	Filt Stat Desc: -
GW or SW Code: SW	GW or SS: Surface water
LT2 Sch Ctgry Cd: -	LT2 Sched Ctg: -

Wells and Additional Sources Detail Report

Owner Type Code: L	Owner Type: Local government
PWS Type Code: CWS	PWS Type: Community water system
Primcy Agency Cd: CA	Primacy Type: State
Primary Source Cd: SWP	Primary Srce: Surface water purchased
Seller Treatmnt Cd: -	Seller Trt Dsc: -
Submsn Status Cd: Y	Sub Stat Dsc: Reported and accepted
Subms Sts Cd Vio: Y	Pop Srvd Cnt: 165,740
Is Grant Eligible: Yes	Srv Cnctn Cnt: 36314
Outstndng Perfrm: -	Seller PWSID: -
Outstndng Perf Dt: -	Sllr PWS Nm: -
Schl or Dycare: No	CDS ID: -
Source Treated Ind: -	Country Code: US
Src Wtr Protected: -	Cntry Nm BTP: -
Src Wtr Prot Dt: -	State Code: CA
NPM Candidate: Yes	State Fac ID: DST
Is Wholesaler: No	Sub Quarter: 1
Submission Year: 2016	Validity Ind: Yes
Submission Yr Qtr: 2016Q1	

--Details--

Treatment ID: -

Treatment Process Code: -

Treatment Process: -

Treatment Objective Code: -

Treatment Objective: -

Treatment Plant City: -

Treatment Plant State: -

Treatment Plant Addr 1: -

Treatment Plant Addr 2: -

Treatment Plant Zip Code: -

Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID: CA1910124	Pop Cat 11: 100,001-250,000
Facility ID: 20336	Pop Cat 11 Cd: 8
Facility Name: WINDSOR WELL	Pop Cat 2: 10,000+
EPA Region Code: 09	Pop Cat 2 Cd: 2
EPA Region: Region 9	Pop Cat 3: 3,301-50,000
Season Begin Date: -	Pop Cat 3 Cd: 3
Season End Date: -	Pop Cat 4: 100K+
Deactivation Date: -	Pop Cat 4 Cd: 4
Fac Deactvtn Dt: -	Pop Cat 5: >100,000
First Rptd Dt: 22-MAR-79	Pop Cat 5 Cd: 5
Last Rptd Date: 01-APR-16	ORG Name: KWAN, SHAN

Wells and Additional Sources Detail Report

Primacy Agency:	California	Admin Name:	KWAN, SHAN
Is Source Ind:	Yes	Phone No:	626-744-4416
Facility Type Cd:	WL	Phone Ext No:	-
Facility Type Desc:	Well	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	626-744-4670
Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NET
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	L	Owner Type:	Local government
PWS Type Code:	CWS	PWS Type:	Community water system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	SWP	Primary Srce:	Surface water purchased
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	165,740
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	36314
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Slr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	Y	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	022
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	No
Submission Yr Qtr:	2016Q1		

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-
Treatment Objective Code:	-
Treatment Objective:	-
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
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Wells and Additional Sources Detail Report

2	NE	0.48	2,539.22	830.34	SDWIS
PWS ID:	CA1910452	Pop Cat 11:	<=100		
Facility ID:	1T	Pop Cat 11 Cd:	1		
Facility Name:	WELL	Pop Cat 2:	<10,000		
EPA Region Code:	09	Pop Cat 2 Cd:	1		
EPA Region:	Region 9	Pop Cat 3:	<=3300		
Season Begin Date:	01-01	Pop Cat 3 Cd:	1		
Season End Date:	12-31	Pop Cat 4:	<10K		
Deactivation Date:	01-NOV-93	Pop Cat 4 Cd:	1		
Fac Deactivtn Dt:	01-NOV-93	Pop Cat 5:	<=500		
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	1		
Last Rptd Date:	24-JUL-95	ORG Name:	-		
Primacy Agency:	California	Admin Name:	USFS ANGELES NF		
Is Source Ind:	No	Phone No:	-		
Facility Type Cd:	TP	Phone Ext No:	-		
Facility Type Desc:	Treatment Plant	Alt Phone No:	-		
Activity Status Cd:	I	Fax No:	-		
Activity Status:	Inactive	Email Addr:	-		
Availability Code:	P	Avlblty Desc:	Permanent		
Water Type Code:	GW	Wtr Tp Desc:	Ground water		
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-		
Facility Activity Cd:	I	Fac Activity:	Inactive		
Filtrtn Status Cd:	-	Filt Stat Desc:	-		
GW or SW Code:	GW	GW or SS:	Groundwater		
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-		
Owner Type Code:	F	Owner Type:	Federal government		
PWS Type Code:	TNCWS	PWS Type:	Transient non-community system		
Primcy Agency Cd:	CA	Primacy Type:	State		
Primary Source Cd:	GW	Primary Srce:	Ground water		
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-		
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted		
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	25		
Is Grant Eligible:	No	Srv Cnctn Cnt:	0		
Outstndng Perfrm:	-	Seller PWSID:	-		
Outstndng Perf Dt:	-	Slr PWS Nm:	-		
Schl or Dycare:	No	CDS ID:	-		
Source Treated Ind:	-	Country Code:	US		
Src Wtr Protected:	-	Cntry Nm BTP:	-		
Src Wtr Prot Dt:	-	State Code:	CA		
NPM Candidate:	No	State Fac ID:	-		
Is Wholesaler:	No	Sub Quarter:	1		
Submission Year:	2016	Validity Ind:	Yes		
Submission Yr Qtr:	2016Q1				

--Details--

Treatment ID: 1

Wells and Additional Sources Detail Report

Treatment Process Code: 473
 Treatment Process: Converted (FRDS-1.5)
 Treatment Objective Code: C
 Treatment Objective: Corrosion control
 Treatment Plant City: -
 Treatment Plant State: -
 Treatment Plant Addr 1: -
 Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910124	Pop Cat 11:	100,001-250,000
Facility ID:	CA1910124031	Pop Cat 11 Cd:	8
Facility Name:	SUNSET RESERVOIR-TANK #2-NO3 & VOC BLEND	Pop Cat 2:	10,000+
EPA Region Code:	09	Pop Cat 2 Cd:	2
EPA Region:	Region 9	Pop Cat 3:	3,301-50,000
Season Begin Date:	-	Pop Cat 3 Cd:	3
Season End Date:	-	Pop Cat 4:	100K+
Deactivation Date:	-	Pop Cat 4 Cd:	4
Fac Deactvtn Dt:	-	Pop Cat 5:	>100,000
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	5
Last Rptd Date:	18-DEC-13	ORG Name:	KWAN, SHAN
Primacy Agency:	California	Admin Name:	KWAN, SHAN
Is Source Ind:	No	Phone No:	626-744-4416
Facility Type Cd:	TP	Phone Ext No:	-
Facility Type Desc:	Treatment Plant	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	626-744-4670
Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NET
Availability Code:	-	Avlblty Desc:	-
Water Type Code:	-	Wtr Tp Desc:	-
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	L	Owner Type:	Local government
PWS Type Code:	CWS	PWS Type:	Community water system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	SW	Primary Srce:	Surface water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Unreported
Subms Sts Cd Vio:	U	Pop Srvd Cnt:	161,259

Wells and Additional Sources Detail Report

Is Grant Eligible:	Yes	Srcv Cnctn Cnt:	37355
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Slir PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	4
Submission Year:	2013	Validity Ind:	No
Submission Yr Qtr:	2013Q4		

--Details--

Treatment ID:	02
Treatment Process Code:	403
Treatment Process:	Gaseous Chlorination, Pre
Treatment Objective Code:	D
Treatment Objective:	Disinfection
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Treatment ID:	01
Treatment Process Code:	600
Treatment Process:	Rapid Mix
Treatment Objective Code:	I
Treatment Objective:	Inorganics removal
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910124	Pop Cat 11:	100,001-250,000
Facility ID:	CA1910124015	Pop Cat 11 Cd:	8
Facility Name:	OHIO 05 - MONITORING SITE	Pop Cat 2:	10,000+
EPA Region Code:	09	Pop Cat 2 Cd:	2
EPA Region:	Region 9	Pop Cat 3:	3,301-50,000
Season Begin Date:	-	Pop Cat 3 Cd:	3

Wells and Additional Sources Detail Report

Season End Date:	-	Pop Cat 4:	100K+
Deactivation Date:	-	Pop Cat 4 Cd:	4
Fac Deactvtn Dt:	-	Pop Cat 5:	>100,000
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	5
Last Rptd Date:	18-DEC-13	ORG Name:	KWAN, SHAN
Primacy Agency:	California	Admin Name:	KWAN, SHAN
Is Source Ind:	Yes	Phone No:	626-744-4416
Facility Type Cd:	WL	Phone Ext No:	-
Facility Type Desc:	Well	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	626-744-4670
Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NET
Availability Code:	O	Avlblty Desc:	Other
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	L	Owner Type:	Local government
PWS Type Code:	CWS	PWS Type:	Community water system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	SW	Primary Srce:	Surface water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Unreported
Subms Sts Cd Vio:	U	Pop Srvd Cnt:	161,259
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	37355
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Slr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	4
Submission Year:	2013	Validity Ind:	No
Submission Yr Qtr:	2013Q4		

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-
Treatment Objective Code:	-
Treatment Objective:	-
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-

Wells and Additional Sources Detail Report

Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910403	Pop Cat 11:	<=100
Facility ID:	1	Pop Cat 11 Cd:	1
Facility Name:	WELL	Pop Cat 2:	<10,000
EPA Region Code:	09	Pop Cat 2 Cd:	1
EPA Region:	Region 9	Pop Cat 3:	<=3300
Season Begin Date:	01-01	Pop Cat 3 Cd:	1
Season End Date:	12-31	Pop Cat 4:	<10K
Deactivation Date:	01-NOV-93	Pop Cat 4 Cd:	1
Fac Deactivtn Dt:	01-NOV-93	Pop Cat 5:	<=500
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	1
Last Rptd Date:	24-JUL-95	ORG Name:	-
Primacy Agency:	California	Admin Name:	USFS ANGELES NF
Is Source Ind:	Yes	Phone No:	-
Facility Type Cd:	WL	Phone Ext No:	-
Facility Type Desc:	Well	Alt Phone No:	-
Activity Status Cd:	I	Fax No:	-
Activity Status:	Inactive	Email Addr:	-
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	I	Fac Activity:	Inactive
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	GW	GW or SS:	Groundwater
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	F	Owner Type:	Federal government
PWS Type Code:	TNCWS	PWS Type:	Transient non-community system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	GW	Primary Srce:	Ground water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	25
Is Grant Eligible:	No	Srv Cnctn Cnt:	0
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Slr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	Y	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	No	State Fac ID:	-

Wells and Additional Sources Detail Report

Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qtr:	2016Q1		

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-
Treatment Objective Code:	-
Treatment Objective:	-
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910410	Pop Cat 11:	<=100
Facility ID:	1	Pop Cat 11 Cd:	1
Facility Name:	STREAM	Pop Cat 2:	<10,000
EPA Region Code:	09	Pop Cat 2 Cd:	1
EPA Region:	Region 9	Pop Cat 3:	<=3300
Season Begin Date:	01-01	Pop Cat 3 Cd:	1
Season End Date:	12-31	Pop Cat 4:	<10K
Deactivation Date:	01-NOV-93	Pop Cat 4 Cd:	1
Fac Deactvtn Dt:	01-NOV-93	Pop Cat 5:	<=500
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	1
Last Rptd Date:	24-JUL-95	ORG Name:	-
Primacy Agency:	California	Admin Name:	USFS ANGELES NF
Is Source Ind:	Yes	Phone No:	-
Facility Type Cd:	IN	Phone Ext No:	-
Facility Type Desc:	Intake	Alt Phone No:	-
Activity Status Cd:	I	Fax No:	-
Activity Status:	Inactive	Email Addr:	-
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	SW	Wtr Tp Desc:	Surface water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	I	Fac Activity:	Inactive
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	F	Owner Type:	Federal government
PWS Type Code:	TNCWS	PWS Type:	Transient non-community system

Wells and Additional Sources Detail Report

Primacy Agency Cd: CA	Primacy Type: State
Primary Source Cd: SW	Primary Srce: Surface water
Seller Treatmnt Cd: -	Seller Trt Dsc: -
Submsn Status Cd: Y	Sub Stat Dsc: Reported and accepted
Subms Sts Cd Vio: Y	Pop Srvd Cnt: 25
Is Grant Eligible: No	Srv Cnctn Cnt: 0
Outstndng Perfrm: -	Seller PWSID: -
Outstndng Perf Dt: -	SIr PWS Nm: -
Schl or Dycare: No	CDS ID: -
Source Treated Ind: Y	Country Code: US
Src Wtr Protected: -	Cntry Nm BTP: -
Src Wtr Prot Dt: -	State Code: CA
NPM Candidate: No	State Fac ID: -
Is Wholesaler: No	Sub Quarter: 1
Submission Year: 2016	Validity Ind: Yes
Submission Yr Qtr: 2016Q1	

--Details--

Treatment ID: -

Treatment Process Code: -

Treatment Process: -

Treatment Objective Code: -

Treatment Objective: -

Treatment Plant City: -

Treatment Plant State: -

Treatment Plant Addr 1: -

Treatment Plant Addr 2: -

Treatment Plant Zip Code: -

Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID: CA1910444	Pop Cat 11: <=100
Facility ID: 1	Pop Cat 11 Cd: 1
Facility Name: SPRING	Pop Cat 2: <10,000
EPA Region Code: 09	Pop Cat 2 Cd: 1
EPA Region: Region 9	Pop Cat 3: <=3300
Season Begin Date: 01-01	Pop Cat 3 Cd: 1
Season End Date: 12-31	Pop Cat 4: <10K
Deactivation Date: 01-NOV-93	Pop Cat 4 Cd: 1
Fac Deactvtn Dt: 01-NOV-93	Pop Cat 5: <=500
First Rptd Dt: 22-MAR-79	Pop Cat 5 Cd: 1
Last Rptd Date: 24-JUL-95	ORG Name: -
Primacy Agency: California	Admin Name: USFS ANGELES NF
Is Source Ind: Yes	Phone No: -

Wells and Additional Sources Detail Report

Facility Type Cd:	WL	Phone Ext No:	-
Facility Type Desc:	Well	Alt Phone No:	-
Activity Status Cd:	I	Fax No:	-
Activity Status:	Inactive	Email Addr:	-
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	I	Fac Activity:	Inactive
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	GW	GW or SS:	Groundwater
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	F	Owner Type:	Federal government
PWS Type Code:	TNCWS	PWS Type:	Transient non-community system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	GW	Primary Srce:	Ground water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	25
Is Grant Eligible:	No	Srv Cnctn Cnt:	0
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Sllr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	Y	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	No	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qtr:	2016Q1		

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-
Treatment Objective Code:	-
Treatment Objective:	-
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

Wells and Additional Sources Detail Report

PWS ID:	CA1910419	Pop Cat 11:	<=100
Facility ID:	1	Pop Cat 11 Cd:	1
Facility Name:	SPRING	Pop Cat 2:	<10,000
EPA Region Code:	09	Pop Cat 2 Cd:	1
EPA Region:	Region 9	Pop Cat 3:	<=3300
Season Begin Date:	01-01	Pop Cat 3 Cd:	1
Season End Date:	12-31	Pop Cat 4:	<10K
Deactivation Date:	01-NOV-93	Pop Cat 4 Cd:	1
Fac Deactvtn Dt:	01-NOV-93	Pop Cat 5:	<=500
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	1
Last Rptd Date:	24-JUL-95	ORG Name:	-
Primacy Agency:	California	Admin Name:	USFS ANGELES NF
Is Source Ind:	Yes	Phone No:	-
Facility Type Cd:	WL	Phone Ext No:	-
Facility Type Desc:	Well	Alt Phone No:	-
Activity Status Cd:	I	Fax No:	-
Activity Status:	Inactive	Email Addr:	-
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	I	Fac Activity:	Inactive
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	GW	GW or SS:	Groundwater
LT2 Sch Ctgy Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	F	Owner Type:	Federal government
PWS Type Code:	TNCWS	PWS Type:	Transient non-community system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	GW	Primary Srce:	Ground water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	25
Is Grant Eligible:	No	Srv Cnctn Cnt:	0
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Sllr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	Y	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	No	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qtr:	2016Q1		

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-

Wells and Additional Sources Detail Report

Treatment Objective -
 Code:
 Treatment Objective: -
 Treatment Plant City: -
 Treatment Plant State: -
 Treatment Plant Addr 1: -
 Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910124	Pop Cat 11:	100,001-250,000
Facility ID:	46	Pop Cat 11 Cd:	8
Facility Name:	WELL 58 - CHLORINATION	Pop Cat 2:	10,000+
EPA Region Code:	09	Pop Cat 2 Cd:	2
EPA Region:	Region 9	Pop Cat 3:	3,301-50,000
Season Begin Date:	-	Pop Cat 3 Cd:	3
Season End Date:	-	Pop Cat 4:	100K+
Deactivation Date:	-	Pop Cat 4 Cd:	4
Fac Deactvtn Dt:	-	Pop Cat 5:	>100,000
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	5
Last Rptd Date:	18-DEC-13	ORG Name:	KWAN, SHAN
Primacy Agency:	California	Admin Name:	KWAN, SHAN
Is Source Ind:	No	Phone No:	626-744-4416
Facility Type Cd:	TP	Phone Ext No:	-
Facility Type Desc:	Treatment Plant	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	626-744-4670
Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NET
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	-	Wtr Tp Desc:	-
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	L	Owner Type:	Local government
PWS Type Code:	CWS	PWS Type:	Community water system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	SW	Primary Srce:	Surface water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Unreported
Subms Sts Cd Vio:	U	Pop Srvd Cnt:	161,259
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	37355
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Sllr PWS Nm:	-

Wells and Additional Sources Detail Report

Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	4
Submission Year:	2013	Validity Ind:	No
Submission Yr Qtr:	2013Q4		

--Details--

Treatment ID:	1
Treatment Process Code:	401
Treatment Process:	Gaseous Chlorination, Post
Treatment Objective Code:	D
Treatment Objective:	Disinfection
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910124	Pop Cat 11:	100,001-250,000
Facility ID:	CA1910124029	Pop Cat 11 Cd:	8
Facility Name:	AERATION - NORTH TOWER- INFLUENT-ABANDOND	Pop Cat 2:	10,000+
EPA Region Code:	09	Pop Cat 2 Cd:	2
EPA Region:	Region 9	Pop Cat 3:	3,301-50,000
Season Begin Date:	-	Pop Cat 3 Cd:	3
Season End Date:	-	Pop Cat 4:	100K+
Deactivation Date:	-	Pop Cat 4 Cd:	4
Fac Deactvtn Dt:	01-JAN-01	Pop Cat 5:	>100,000
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	5
Last Rptd Date:	01-APR-16	ORG Name:	KWAN, SHAN
Primacy Agency:	California	Admin Name:	KWAN, SHAN
Is Source Ind:	Yes	Phone No:	626-744-4416
Facility Type Cd:	WL	Phone Ext No:	-
Facility Type Desc:	Well	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	626-744-4670
Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NE T
Availability Code:	O	Avlblty Desc:	Other
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-

Wells and Additional Sources Detail Report

Facility Activity Cd: I	Fac Activity: Inactive
Filtrtn Status Cd: -	Filt Stat Desc: -
GW or SW Code: SW	GW or SS: Surface water
LT2 Sch Ctgr Cd: -	LT2 Sched Ctg: -
Owner Type Code: L	Owner Type: Local government
PWS Type Code: CWS	PWS Type: Community water system
Primcy Agency Cd: CA	Primacy Type: State
Primary Source Cd: SWP	Primary Srce: Surface water purchased
Seller Treatmnt Cd: -	Seller Trt Dsc: -
Submsn Status Cd: Y	Sub Stat Dsc: Reported and accepted
Subms Sts Cd Vio: Y	Pop Srvd Cnt: 165,740
Is Grant Eligible: Yes	Srv Cnctn Cnt: 36314
Outstndng Perfrm: -	Seller PWSID: -
Outstndng Perf Dt: -	Sllr PWS Nm: -
Schl or Dycare: No	CDS ID: -
Source Treated Ind: -	Country Code: US
Src Wtr Protected: -	Cntry Nm BTP: -
Src Wtr Prot Dt: -	State Code: CA
NPM Candidate: Yes	State Fac ID: -
Is Wholesaler: No	Sub Quarter: 1
Submission Year: 2016	Validity Ind: Yes
Submission Yr Qtr: 2016Q1	

--Details--

Treatment ID: -

Treatment Process Code: -

Treatment Process: -

Treatment Objective Code: -

Treatment Objective: -

Treatment Plant City: -

Treatment Plant State: -

Treatment Plant Addr 1: -

Treatment Plant Addr 2: -

Treatment Plant Zip Code: -

Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID: CA1910124	Pop Cat 11: 100,001-250,000
Facility ID: CA1910124048	Pop Cat 11 Cd: 8
Facility Name: WELL 59 - CHLORINATION XCLD	Pop Cat 2: 10,000+
EPA Region Code: 09	Pop Cat 2 Cd: 2
EPA Region: Region 9	Pop Cat 3: 3,301-50,000
Season Begin Date: -	Pop Cat 3 Cd: 3
Season End Date: -	Pop Cat 4: 100K+

Wells and Additional Sources Detail Report

Deactivation Date:	-	Pop Cat 4 Cd:	4
Fac Deactvtn Dt:	-	Pop Cat 5:	>100,000
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	5
Last Rptd Date:	18-DEC-13	ORG Name:	KWAN, SHAN
Primacy Agency:	California	Admin Name:	KWAN, SHAN
Is Source Ind:	No	Phone No:	626-744-4416
Facility Type Cd:	TP	Phone Ext No:	-
Facility Type Desc:	Treatment Plant	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	626-744-4670
Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NE T
Availability Code:	-	Avlblty Desc:	-
Water Type Code:	-	Wtr Tp Desc:	-
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	L	Owner Type:	Local government
PWS Type Code:	CWS	PWS Type:	Community water system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	SW	Primary Srce:	Surface water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Unreported
Subms Sts Cd Vio:	U	Pop Srvd Cnt:	161,259
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	37355
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Slr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	4
Submission Year:	2013	Validity Ind:	No
Submission Yr Qtr:	2013Q4		

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-
Treatment Objective Code:	-
Treatment Objective:	-
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-

Wells and Additional Sources Detail Report

Treatment Plant Zip Code: -

Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910416	Pop Cat 11:	<=100
Facility ID:	1T	Pop Cat 11 Cd:	1
Facility Name:	SPRING	Pop Cat 2:	<10,000
EPA Region Code:	09	Pop Cat 2 Cd:	1
EPA Region:	Region 9	Pop Cat 3:	<=3300
Season Begin Date:	01-01	Pop Cat 3 Cd:	1
Season End Date:	12-31	Pop Cat 4:	<10K
Deactivation Date:	01-NOV-93	Pop Cat 4 Cd:	1
Fac Deactvtn Dt:	01-NOV-93	Pop Cat 5:	<=500
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	1
Last Rptd Date:	24-JUL-95	ORG Name:	-
Primacy Agency:	California	Admin Name:	USFS ANGELES NF
Is Source Ind:	No	Phone No:	-
Facility Type Cd:	TP	Phone Ext No:	-
Facility Type Desc:	Treatment Plant	Alt Phone No:	-
Activity Status Cd:	I	Fax No:	-
Activity Status:	Inactive	Email Addr:	-
Availability Code:	P	Avlbly Desc:	Permanent
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	I	Fac Activity:	Inactive
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	GW	GW or SS:	Groundwater
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	F	Owner Type:	Federal government
PWS Type Code:	TNCWS	PWS Type:	Transient non-community system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	GW	Primary Srce:	Ground water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	25
Is Grant Eligible:	No	Srv Cnctn Cnt:	0
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Slr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	No	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	1

Wells and Additional Sources Detail Report

Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qtr:	2016Q1		

--Details--

Treatment ID:	4
Treatment Process Code:	348
Treatment Process:	Filtered
Treatment Objective Code:	P
Treatment Objective:	Particulate removal
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Treatment ID:	5
Treatment Process Code:	473
Treatment Process:	Converted (FRDS-1.5)
Treatment Objective Code:	C
Treatment Objective:	Corrosion control
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Treatment ID:	11
Treatment Process Code:	461
Treatment Process:	Chlorination (FRDS-1.5)
Treatment Objective Code:	D
Treatment Objective:	Disinfection
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910410	Pop Cat 11:	<=100
Facility ID:	1T	Pop Cat 11 Cd:	1

Wells and Additional Sources Detail Report

Facility Name:	STREAM	Pop Cat 2:	<10,000
EPA Region Code:	09	Pop Cat 2 Cd:	1
EPA Region:	Region 9	Pop Cat 3:	<=3300
Season Begin Date:	01-01	Pop Cat 3 Cd:	1
Season End Date:	12-31	Pop Cat 4:	<10K
Deactivation Date:	01-NOV-93	Pop Cat 4 Cd:	1
Fac Deactvtn Dt:	01-NOV-93	Pop Cat 5:	<=500
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	1
Last Rptd Date:	24-JUL-95	ORG Name:	-
Primacy Agency:	California	Admin Name:	USFS ANGELES NF
Is Source Ind:	No	Phone No:	-
Facility Type Cd:	TP	Phone Ext No:	-
Facility Type Desc:	Treatment Plant	Alt Phone No:	-
Activity Status Cd:	I	Fax No:	-
Activity Status:	Inactive	Email Addr:	-
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	SW	Wtr Tp Desc:	Surface water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	I	Fac Activity:	Inactive
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	F	Owner Type:	Federal government
PWS Type Code:	TNCWS	PWS Type:	Transient non-community system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	SW	Primary Srce:	Surface water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	25
Is Grant Eligible:	No	Srv Cnctn Cnt:	0
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Slr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	No	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qtr:	2016Q1		

--Details--

Treatment ID:	5
Treatment Process Code:	473
Treatment Process:	Converted (FRDS-1.5)
Treatment Objective Code:	C
Treatment Objective:	Corrosion control

Wells and Additional Sources Detail Report

Treatment Plant City: -
 Treatment Plant State: -
 Treatment Plant Addr 1: -
 Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: -

Treatment ID: 4
 Treatment Process Code: 348
 Treatment Process: Filtered
 Treatment Objective Code: P
 Treatment Objective: Particulate removal
 Treatment Plant City: -
 Treatment Plant State: -
 Treatment Plant Addr 1: -
 Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: -

Treatment ID: 11
 Treatment Process Code: 461
 Treatment Process: Chlorination (FRDS-1.5)
 Treatment Objective Code: D
 Treatment Objective: Disinfection
 Treatment Plant City: -
 Treatment Plant State: -
 Treatment Plant Addr 1: -
 Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910425	Pop Cat 11:	<=100
Facility ID:	1	Pop Cat 11 Cd:	1
Facility Name:	WELL	Pop Cat 2:	<10,000
EPA Region Code:	09	Pop Cat 2 Cd:	1
EPA Region:	Region 9	Pop Cat 3:	<=3300
Season Begin Date:	01-01	Pop Cat 3 Cd:	1
Season End Date:	12-31	Pop Cat 4:	<10K
Deactivation Date:	01-NOV-93	Pop Cat 4 Cd:	1
Fac Deactvtn Dt:	01-NOV-93	Pop Cat 5:	<=500
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	1
Last Rptd Date:	24-JUL-95	ORG Name:	-
Primacy Agency:	California	Admin Name:	USFS ANGELES NF

Wells and Additional Sources Detail Report

Is Source Ind:	Yes	Phone No:	-
Facility Type Cd:	WL	Phone Ext No:	-
Facility Type Desc:	Well	Alt Phone No:	-
Activity Status Cd:	I	Fax No:	-
Activity Status:	Inactive	Email Addr:	-
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	I	Fac Activity:	Inactive
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	GW	GW or SS:	Groundwater
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	F	Owner Type:	Federal government
PWS Type Code:	TNCWS	PWS Type:	Transient non-community system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	GW	Primary Srce:	Ground water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	25
Is Grant Eligible:	No	Srv Cnctn Cnt:	0
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Slr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	Y	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	No	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qtr:	2016Q1		

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-
Treatment Objective Code:	-
Treatment Objective:	-
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

Wells and Additional Sources Detail Report

PWS ID:	CA1910404	Pop Cat 11:	<=100
Facility ID:	1T	Pop Cat 11 Cd:	1
Facility Name:	SPRING	Pop Cat 2:	<10,000
EPA Region Code:	09	Pop Cat 2 Cd:	1
EPA Region:	Region 9	Pop Cat 3:	<=3300
Season Begin Date:	01-01	Pop Cat 3 Cd:	1
Season End Date:	12-31	Pop Cat 4:	<10K
Deactivation Date:	01-NOV-93	Pop Cat 4 Cd:	1
Fac Deactivtn Dt:	01-NOV-93	Pop Cat 5:	<=500
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	1
Last Rptd Date:	24-JUL-95	ORG Name:	-
Primacy Agency:	California	Admin Name:	USFS ANGELES NF
Is Source Ind:	No	Phone No:	-
Facility Type Cd:	TP	Phone Ext No:	-
Facility Type Desc:	Treatment Plant	Alt Phone No:	-
Activity Status Cd:	I	Fax No:	-
Activity Status:	Inactive	Email Addr:	-
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	I	Fac Activity:	Inactive
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	GW	GW or SS:	Groundwater
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	F	Owner Type:	Federal government
PWS Type Code:	TNCWS	PWS Type:	Transient non-community system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	GW	Primary Srce:	Ground water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	25
Is Grant Eligible:	No	Srv Cnctn Cnt:	0
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Slr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	No	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qtr:	2016Q1		

--Details--

Treatment ID: 11
Treatment Process Code: 461

Wells and Additional Sources Detail Report

Treatment Process: Chlorination (FRDS-1.5)
 Treatment Objective Code: D
 Treatment Objective: Disinfection
 Treatment Plant City: -
 Treatment Plant State: -
 Treatment Plant Addr 1: -
 Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: -

Treatment ID: 4
 Treatment Process Code: 348
 Treatment Process: Filtered
 Treatment Objective Code: P
 Treatment Objective: Particulate removal
 Treatment Plant City: -
 Treatment Plant State: -
 Treatment Plant Addr 1: -
 Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: -

Treatment ID: 5
 Treatment Process Code: 473
 Treatment Process: Converted (FRDS-1.5)
 Treatment Objective Code: C
 Treatment Objective: Corrosion control
 Treatment Plant City: -
 Treatment Plant State: -
 Treatment Plant Addr 1: -
 Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910440	Pop Cat 11:	<=100
Facility ID:	1T	Pop Cat 11 Cd:	1
Facility Name:	WELL	Pop Cat 2:	<10,000
EPA Region Code:	09	Pop Cat 2 Cd:	1
EPA Region:	Region 9	Pop Cat 3:	<=3300
Season Begin Date:	01-01	Pop Cat 3 Cd:	1
Season End Date:	12-31	Pop Cat 4:	<10K
Deactivation Date:	01-NOV-93	Pop Cat 4 Cd:	1

Wells and Additional Sources Detail Report

Fac Deactivtn Dt:	01-NOV-93	Pop Cat 5:	<=500
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	1
Last Rptd Date:	24-JUL-95	ORG Name:	-
Primacy Agency:	California	Admin Name:	USFS ANGELES NF
Is Source Ind:	No	Phone No:	-
Facility Type Cd:	TP	Phone Ext No:	-
Facility Type Desc:	Treatment Plant	Alt Phone No:	-
Activity Status Cd:	I	Fax No:	-
Activity Status:	Inactive	Email Addr:	-
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	I	Fac Activity:	Inactive
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	GW	GW or SS:	Groundwater
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	F	Owner Type:	Federal government
PWS Type Code:	TNCWS	PWS Type:	Transient non-community system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	GW	Primary Srce:	Ground water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	25
Is Grant Eligible:	No	Srv Cnctn Cnt:	0
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Sllr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	No	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qtr:	2016Q1		

--Details--

Treatment ID:	11
Treatment Process Code:	461
Treatment Process:	Chlorination (FRDS-1.5)
Treatment Objective Code:	D
Treatment Objective:	Disinfection
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Wells and Additional Sources Detail Report

Treatment ID: 5
 Treatment Process Code: 473
 Treatment Process: Converted (FRDS-1.5)
 Treatment Objective Code: C
 Treatment Objective: Corrosion control
 Treatment Plant City: -
 Treatment Plant State: -
 Treatment Plant Addr 1: -
 Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: -

Treatment ID: 4
 Treatment Process Code: 348
 Treatment Process: Filtered
 Treatment Objective Code: P
 Treatment Objective: Particulate removal
 Treatment Plant City: -
 Treatment Plant State: -
 Treatment Plant Addr 1: -
 Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910404	Pop Cat 11:	<=100
Facility ID:	1	Pop Cat 11 Cd:	1
Facility Name:	SPRING	Pop Cat 2:	<10,000
EPA Region Code:	09	Pop Cat 2 Cd:	1
EPA Region:	Region 9	Pop Cat 3:	<=3300
Season Begin Date:	01-01	Pop Cat 3 Cd:	1
Season End Date:	12-31	Pop Cat 4:	<10K
Deactivation Date:	01-NOV-93	Pop Cat 4 Cd:	1
Fac Deactvtn Dt:	01-NOV-93	Pop Cat 5:	<=500
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	1
Last Rptd Date:	24-JUL-95	ORG Name:	-
Primacy Agency:	California	Admin Name:	USFS ANGELES NF
Is Source Ind:	Yes	Phone No:	-
Facility Type Cd:	WL	Phone Ext No:	-
Facility Type Desc:	Well	Alt Phone No:	-
Activity Status Cd:	I	Fax No:	-
Activity Status:	Inactive	Email Addr:	-
Availability Code:	P	Avlblty Desc:	Permanent

Wells and Additional Sources Detail Report

Water Type Code: GW	Wtr Tp Desc: Ground water
DBPR Schd Ctg Cd: -	DBPR Schd Ctg: -
Facility Activity Cd: I	Fac Activity: Inactive
Filtrtn Status Cd: -	Filt Stat Desc: -
GW or SW Code: GW	GW or SS: Groundwater
LT2 Sch Ctgry Cd: -	LT2 Sched Ctg: -
Owner Type Code: F	Owner Type: Federal government
PWS Type Code: TNCWS	PWS Type: Transient non-community system
Primcy Agency Cd: CA	Primacy Type: State
Primary Source Cd: GW	Primary Srce: Ground water
Seller Treatmnt Cd: -	Seller Trt Dsc: -
Submsn Status Cd: Y	Sub Stat Dsc: Reported and accepted
Subms Sts Cd Vio: Y	Pop Srvd Cnt: 25
Is Grant Eligible: No	Srv Cnctn Cnt: 0
Outstndng Perfrm: -	Seller PWSID: -
Outstndng Perf Dt: -	Sllr PWS Nm: -
Schl or Dycare: No	CDS ID: -
Source Treated Ind: Y	Country Code: US
Src Wtr Protected: -	Cntry Nm BTP: -
Src Wtr Prot Dt: -	State Code: CA
NPM Candidate: No	State Fac ID: -
Is Wholesaler: No	Sub Quarter: 1
Submission Year: 2016	Validity Ind: Yes
Submission Yr Qtr: 2016Q1	

--Details--

Treatment ID: -

Treatment Process Code: -

Treatment Process: -

Treatment Objective Code: -

Treatment Objective: -

Treatment Plant City: -

Treatment Plant State: -

Treatment Plant Addr 1: -

Treatment Plant Addr 2: -

Treatment Plant Zip Code: -

Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID: CA1910452	Pop Cat 11: <=100
Facility ID: 2T	Pop Cat 11 Cd: 1
Facility Name: WELL	Pop Cat 2: <10,000
EPA Region Code: 09	Pop Cat 2 Cd: 1
EPA Region: Region 9	Pop Cat 3: <=3300

Wells and Additional Sources Detail Report

Season Begin Date:	01-01	Pop Cat 3 Cd:	1
Season End Date:	12-31	Pop Cat 4:	<10K
Deactivation Date:	01-NOV-93	Pop Cat 4 Cd:	1
Fac Deactivtn Dt:	01-NOV-93	Pop Cat 5:	<=500
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	1
Last Rptd Date:	24-JUL-95	ORG Name:	-
Primacy Agency:	California	Admin Name:	USFS ANGELES NF
Is Source Ind:	No	Phone No:	-
Facility Type Cd:	TP	Phone Ext No:	-
Facility Type Desc:	Treatment Plant	Alt Phone No:	-
Activity Status Cd:	I	Fax No:	-
Activity Status:	Inactive	Email Addr:	-
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	I	Fac Activity:	Inactive
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	GW	GW or SS:	Groundwater
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	F	Owner Type:	Federal government
PWS Type Code:	TNCWS	PWS Type:	Transient non-community system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	GW	Primary Srce:	Ground water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	25
Is Grant Eligible:	No	Srv Cnctn Cnt:	0
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Sllr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	No	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qtr:	2016Q1		

--Details--

Treatment ID:	1
Treatment Process Code:	473
Treatment Process:	Converted (FRDS-1.5)
Treatment Objective Code:	C
Treatment Objective:	Corrosion control
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-

Wells and Additional Sources Detail Report

Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910124	Pop Cat 11:	100,001-250,000
Facility ID:	15	Pop Cat 11 Cd:	8
Facility Name:	OHIO 05 - MONITORING SITE	Pop Cat 2:	10,000+
EPA Region Code:	09	Pop Cat 2 Cd:	2
EPA Region:	Region 9	Pop Cat 3:	3,301-50,000
Season Begin Date:	-	Pop Cat 3 Cd:	3
Season End Date:	-	Pop Cat 4:	100K+
Deactivation Date:	-	Pop Cat 4 Cd:	4
Fac Deactvtn Dt:	-	Pop Cat 5:	>100,000
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	5
Last Rptd Date:	18-DEC-13	ORG Name:	KWAN, SHAN
Primacy Agency:	California	Admin Name:	KWAN, SHAN
Is Source Ind:	Yes	Phone No:	626-744-4416
Facility Type Cd:	WL	Phone Ext No:	-
Facility Type Desc:	Well	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	626-744-4670
Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NET
Availability Code:	O	Avlblty Desc:	Other
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgy Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	L	Owner Type:	Local government
PWS Type Code:	CWS	PWS Type:	Community water system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	SW	Primary Srce:	Surface water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Unreported
Subms Sts Cd Vio:	U	Pop Srvd Cnt:	161,259
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	37355
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Sllr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	U	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	-

Wells and Additional Sources Detail Report

Is Wholesaler:	No	Sub Quarter:	4
Submission Year:	2013	Validity Ind:	No
Submission Yr Qtr:	2013Q4		

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-
Treatment Objective Code:	-
Treatment Objective:	-
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910124	Pop Cat 11:	100,001-250,000
Facility ID:	CA1910124046	Pop Cat 11 Cd:	8
Facility Name:	WELL 58 - CHLORINATION	Pop Cat 2:	10,000+
EPA Region Code:	09	Pop Cat 2 Cd:	2
EPA Region:	Region 9	Pop Cat 3:	3,301-50,000
Season Begin Date:	-	Pop Cat 3 Cd:	3
Season End Date:	-	Pop Cat 4:	100K+
Deactivation Date:	-	Pop Cat 4 Cd:	4
Fac Deactvtn Dt:	-	Pop Cat 5:	>100,000
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	5
Last Rptd Date:	18-DEC-13	ORG Name:	KWAN, SHAN
Primacy Agency:	California	Admin Name:	KWAN, SHAN
Is Source Ind:	No	Phone No:	626-744-4416
Facility Type Cd:	TP	Phone Ext No:	-
Facility Type Desc:	Treatment Plant	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	626-744-4670
Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NET
Availability Code:	-	Avlblty Desc:	-
Water Type Code:	-	Wtr Tp Desc:	-
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	L	Owner Type:	Local government
PWS Type Code:	CWS	PWS Type:	Community water system

Wells and Additional Sources Detail Report

Primacy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	SW	Primary Srce:	Surface water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Unreported
Subms Sts Cd Vio:	U	Pop Srvd Cnt:	161,259
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	37355
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Slr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	4
Submission Year:	2013	Validity Ind:	No
Submission Yr Qtr:	2013Q4		

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-
Treatment Objective Code:	-
Treatment Objective:	-
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910124	Pop Cat 11:	100,001-250,000
Facility ID:	CA1910124009	Pop Cat 11 Cd:	8
Facility Name:	EATON WELL - STANDBY	Pop Cat 2:	10,000+
EPA Region Code:	09	Pop Cat 2 Cd:	2
EPA Region:	Region 9	Pop Cat 3:	3,301-50,000
Season Begin Date:	-	Pop Cat 3 Cd:	3
Season End Date:	-	Pop Cat 4:	100K+
Deactivation Date:	-	Pop Cat 4 Cd:	4
Fac Deactvtn Dt:	-	Pop Cat 5:	>100,000
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	5
Last Rptd Date:	18-DEC-13	ORG Name:	KWAN, SHAN
Primacy Agency:	California	Admin Name:	KWAN, SHAN
Is Source Ind:	Yes	Phone No:	626-744-4416

Wells and Additional Sources Detail Report

Facility Type Cd:	WL	Phone Ext No:	-
Facility Type Desc:	Well	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	626-744-4670
Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NET
Availability Code:	E	Avlblty Desc:	Emergency
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgy Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	L	Owner Type:	Local government
PWS Type Code:	CWS	PWS Type:	Community water system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	SW	Primary Srce:	Surface water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Unreported
Subms Sts Cd Vio:	U	Pop Srvd Cnt:	161,259
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	37355
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Sllr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	4
Submission Year:	2013	Validity Ind:	No
Submission Yr Qtr:	2013Q4		

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-
Treatment Objective Code:	-
Treatment Objective:	-
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

Wells and Additional Sources Detail Report

PWS ID:	CA1910429	Pop Cat 11:	<=100
Facility ID:	1	Pop Cat 11 Cd:	1
Facility Name:	WELL	Pop Cat 2:	<10,000
EPA Region Code:	09	Pop Cat 2 Cd:	1
EPA Region:	Region 9	Pop Cat 3:	<=3300
Season Begin Date:	01-01	Pop Cat 3 Cd:	1
Season End Date:	12-31	Pop Cat 4:	<10K
Deactivation Date:	01-NOV-93	Pop Cat 4 Cd:	1
Fac Deactvtn Dt:	01-NOV-93	Pop Cat 5:	<=500
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	1
Last Rptd Date:	24-JUL-95	ORG Name:	-
Primacy Agency:	California	Admin Name:	USFS ANGELES NF
Is Source Ind:	Yes	Phone No:	-
Facility Type Cd:	WL	Phone Ext No:	-
Facility Type Desc:	Well	Alt Phone No:	-
Activity Status Cd:	I	Fax No:	-
Activity Status:	Inactive	Email Addr:	-
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	I	Fac Activity:	Inactive
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	GW	GW or SS:	Groundwater
LT2 Sch Ctgy Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	F	Owner Type:	Federal government
PWS Type Code:	TNCWS	PWS Type:	Transient non-community system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	GW	Primary Srce:	Ground water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	25
Is Grant Eligible:	No	Srv Cnctn Cnt:	0
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Sllr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	Y	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	No	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qtr:	2016Q1		

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-

Wells and Additional Sources Detail Report

Treatment Objective -
 Code:
 Treatment Objective: -
 Treatment Plant City: -
 Treatment Plant State: -
 Treatment Plant Addr 1: -
 Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910402	Pop Cat 11:	<=100
Facility ID:	1	Pop Cat 11 Cd:	1
Facility Name:	SPRING	Pop Cat 2:	<10,000
EPA Region Code:	09	Pop Cat 2 Cd:	1
EPA Region:	Region 9	Pop Cat 3:	<=3300
Season Begin Date:	01-01	Pop Cat 3 Cd:	1
Season End Date:	12-31	Pop Cat 4:	<10K
Deactivation Date:	01-NOV-93	Pop Cat 4 Cd:	1
Fac Deactvtn Dt:	01-NOV-93	Pop Cat 5:	<=500
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	1
Last Rptd Date:	24-JUL-95	ORG Name:	-
Primacy Agency:	California	Admin Name:	USFS ANGELES NF
Is Source Ind:	Yes	Phone No:	-
Facility Type Cd:	WL	Phone Ext No:	-
Facility Type Desc:	Well	Alt Phone No:	-
Activity Status Cd:	I	Fax No:	-
Activity Status:	Inactive	Email Addr:	-
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	I	Fac Activity:	Inactive
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	GW	GW or SS:	Groundwater
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	F	Owner Type:	Federal government
PWS Type Code:	TNCWS	PWS Type:	Transient non-community system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	GW	Primary Srce:	Ground water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	25
Is Grant Eligible:	No	Srv Cnctn Cnt:	0
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Sllr PWS Nm:	-

Wells and Additional Sources Detail Report

Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	Y	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	No	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qtr:	2016Q1		

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-
Treatment Objective Code:	-
Treatment Objective:	-
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910124	Pop Cat 11:	100,001-250,000
Facility ID:	CA1910124005	Pop Cat 11 Cd:	8
Facility Name:	CHAPMAN	Pop Cat 2:	10,000+
EPA Region Code:	09	Pop Cat 2 Cd:	2
EPA Region:	Region 9	Pop Cat 3:	3,301-50,000
Season Begin Date:	-	Pop Cat 3 Cd:	3
Season End Date:	-	Pop Cat 4:	100K+
Deactivation Date:	-	Pop Cat 4 Cd:	4
Fac Deactvtn Dt:	-	Pop Cat 5:	>100,000
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	5
Last Rptd Date:	18-DEC-13	ORG Name:	KWAN, SHAN
Primacy Agency:	California	Admin Name:	KWAN, SHAN
Is Source Ind:	Yes	Phone No:	626-744-4416
Facility Type Cd:	WL	Phone Ext No:	-
Facility Type Desc:	Well	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	626-744-4670
Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NE T
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active

Wells and Additional Sources Detail Report

Filtrtn Status Cd: -	Filt Stat Desc: -
GW or SW Code: SW	GW or SS: Surface water
LT2 Sch Ctgry Cd: -	LT2 Sched Ctg: -
Owner Type Code: L	Owner Type: Local government
PWS Type Code: CWS	PWS Type: Community water system
Primcy Agency Cd: CA	Primacy Type: State
Primary Source Cd: SW	Primary Srce: Surface water
Seller Treatmnt Cd: -	Seller Trt Dsc: -
Submsn Status Cd: Y	Sub Stat Dsc: Unreported
Subms Sts Cd Vio: U	Pop Srvd Cnt: 161,259
Is Grant Eligible: Yes	Srv Cnctn Cnt: 37355
Outstndng Perfrm: -	Seller PWSID: -
Outstndng Perf Dt: -	Slr PWS Nm: -
Schl or Dycare: No	CDS ID: -
Source Treated Ind: -	Country Code: US
Src Wtr Protected: -	Cntry Nm BTP: -
Src Wtr Prot Dt: -	State Code: CA
NPM Candidate: Yes	State Fac ID: -
Is Wholesaler: No	Sub Quarter: 4
Submission Year: 2013	Validity Ind: No
Submission Yr Qtr: 2013Q4	

--Details--

Treatment ID: -

Treatment Process Code: -

Treatment Process: -

Treatment Objective Code: -

Treatment Objective: -

Treatment Plant City: -

Treatment Plant State: -

Treatment Plant Addr 1: -

Treatment Plant Addr 2: -

Treatment Plant Zip Code: -

Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID: CA1910124	Pop Cat 11: 100,001-250,000
Facility ID: 4	Pop Cat 11 Cd: 8
Facility Name: CASITAS - MONITORING SITE	Pop Cat 2: 10,000+
EPA Region Code: 09	Pop Cat 2 Cd: 2
EPA Region: Region 9	Pop Cat 3: 3,301-50,000
Season Begin Date: -	Pop Cat 3 Cd: 3
Season End Date: -	Pop Cat 4: 100K+
Deactivation Date: -	Pop Cat 4 Cd: 4

Wells and Additional Sources Detail Report

Fac Deactivtn Dt:	-	Pop Cat 5:	>100,000
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	5
Last Rptd Date:	18-DEC-13	ORG Name:	KWAN, SHAN
Primacy Agency:	California	Admin Name:	KWAN, SHAN
Is Source Ind:	Yes	Phone No:	626-744-4416
Facility Type Cd:	WL	Phone Ext No:	-
Facility Type Desc:	Well	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	626-744-4670
Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NE T
Availability Code:	O	Avlblty Desc:	Other
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	L	Owner Type:	Local government
PWS Type Code:	CWS	PWS Type:	Community water system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	SW	Primary Srce:	Surface water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Unreported
Subms Sts Cd Vio:	U	Pop Srvd Cnt:	161,259
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	37355
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Sllr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	U	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	4
Submission Year:	2013	Validity Ind:	No
Submission Yr Qtr:	2013Q4		

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-
Treatment Objective Code:	-
Treatment Objective:	-
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-

Wells and Additional Sources Detail Report

Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910421	Pop Cat 11:	<=100
Facility ID:	1T	Pop Cat 11 Cd:	1
Facility Name:	SPRING	Pop Cat 2:	<10,000
EPA Region Code:	09	Pop Cat 2 Cd:	1
EPA Region:	Region 9	Pop Cat 3:	<=3300
Season Begin Date:	01-01	Pop Cat 3 Cd:	1
Season End Date:	12-31	Pop Cat 4:	<10K
Deactivation Date:	01-NOV-93	Pop Cat 4 Cd:	1
Fac Deactvtn Dt:	01-NOV-93	Pop Cat 5:	<=500
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	1
Last Rptd Date:	24-JUL-95	ORG Name:	-
Primacy Agency:	California	Admin Name:	USFS ANGELES NF
Is Source Ind:	No	Phone No:	-
Facility Type Cd:	TP	Phone Ext No:	-
Facility Type Desc:	Treatment Plant	Alt Phone No:	-
Activity Status Cd:	I	Fax No:	-
Activity Status:	Inactive	Email Addr:	-
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	I	Fac Activity:	Inactive
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	GW	GW or SS:	Groundwater
LT2 Sch Ctgy Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	F	Owner Type:	Federal government
PWS Type Code:	TNCWS	PWS Type:	Transient non-community system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	GW	Primary Srce:	Ground water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	25
Is Grant Eligible:	No	Srv Cnctn Cnt:	0
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Sllr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	No	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes

Wells and Additional Sources Detail Report

Submission Yr Qtr: 2016Q1

--Details--

Treatment ID: 5
 Treatment Process Code: 473
 Treatment Process: Converted (FRDS-1.5)
 Treatment Objective Code: C
 Treatment Objective: Corrosion control
 Treatment Plant City: -
 Treatment Plant State: -
 Treatment Plant Addr 1: -
 Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: -

Treatment ID: 4
 Treatment Process Code: 348
 Treatment Process: Filtered
 Treatment Objective Code: P
 Treatment Objective: Particulate removal
 Treatment Plant City: -
 Treatment Plant State: -
 Treatment Plant Addr 1: -
 Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: -

Treatment ID: 11
 Treatment Process Code: 461
 Treatment Process: Chlorination (FRDS-1.5)
 Treatment Objective Code: D
 Treatment Objective: Disinfection
 Treatment Plant City: -
 Treatment Plant State: -
 Treatment Plant Addr 1: -
 Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910124	Pop Cat 11:	100,001-250,000
Facility ID:	20334	Pop Cat 11 Cd:	8
Facility Name:	VENTURA WELL	Pop Cat 2:	10,000+

Wells and Additional Sources Detail Report

EPA Region Code:	09	Pop Cat 2 Cd:	2
EPA Region:	Region 9	Pop Cat 3:	3,301-50,000
Season Begin Date:	-	Pop Cat 3 Cd:	3
Season End Date:	-	Pop Cat 4:	100K+
Deactivation Date:	-	Pop Cat 4 Cd:	4
Fac Deactivtn Dt:	-	Pop Cat 5:	>100,000
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	5
Last Rptd Date:	01-APR-16	ORG Name:	KWAN, SHAN
Primacy Agency:	California	Admin Name:	KWAN, SHAN
Is Source Ind:	Yes	Phone No:	626-744-4416
Facility Type Cd:	WL	Phone Ext No:	-
Facility Type Desc:	Well	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	626-744-4670
Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NE T
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgy Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	L	Owner Type:	Local government
PWS Type Code:	CWS	PWS Type:	Community water system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	SWP	Primary Srce:	Surface water purchased
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	165,740
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	36314
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Sllr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	Y	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	019
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	No
Submission Yr Qtr:	2016Q1		

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-
Treatment Objective Code:	-
Treatment Objective:	-

Wells and Additional Sources Detail Report

Treatment Plant City: -
 Treatment Plant State: -
 Treatment Plant Addr 1: -
 Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910405	Pop Cat 11:	<=100
Facility ID:	1T	Pop Cat 11 Cd:	1
Facility Name:	SPRING	Pop Cat 2:	<10,000
EPA Region Code:	09	Pop Cat 2 Cd:	1
EPA Region:	Region 9	Pop Cat 3:	<=3300
Season Begin Date:	01-01	Pop Cat 3 Cd:	1
Season End Date:	12-31	Pop Cat 4:	<10K
Deactivation Date:	01-NOV-93	Pop Cat 4 Cd:	1
Fac Deactvtn Dt:	01-NOV-93	Pop Cat 5:	<=500
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	1
Last Rptd Date:	24-JUL-95	ORG Name:	-
Primacy Agency:	California	Admin Name:	USFS ANGELES NF
Is Source Ind:	No	Phone No:	-
Facility Type Cd:	TP	Phone Ext No:	-
Facility Type Desc:	Treatment Plant	Alt Phone No:	-
Activity Status Cd:	I	Fax No:	-
Activity Status:	Inactive	Email Addr:	-
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	I	Fac Activity:	Inactive
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	GW	GW or SS:	Groundwater
LT2 Sch Ctgy Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	F	Owner Type:	Federal government
PWS Type Code:	TNCWS	PWS Type:	Transient non-community system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	GW	Primary Srce:	Ground water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	25
Is Grant Eligible:	No	Srv Cnctn Cnt:	0
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Sllr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US

Wells and Additional Sources Detail Report

Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	No	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qtr:	2016Q1		

--Details--

Treatment ID:	4
Treatment Process Code:	348
Treatment Process:	Filtered
Treatment Objective Code:	P
Treatment Objective:	Particulate removal
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Treatment ID:	11
Treatment Process Code:	461
Treatment Process:	Chlorination (FRDS-1.5)
Treatment Objective Code:	D
Treatment Objective:	Disinfection
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Treatment ID:	5
Treatment Process Code:	473
Treatment Process:	Converted (FRDS-1.5)
Treatment Objective Code:	C
Treatment Objective:	Corrosion control
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

Wells and Additional Sources Detail Report

PWS ID:	CA1910124	Pop Cat 11:	100,001-250,000
Facility ID:	CA1910124800	Pop Cat 11 Cd:	8
Facility Name:	SITE 16 - 470 AVENUE 64 - STG2 DBP	Pop Cat 2:	10,000+
EPA Region Code:	09	Pop Cat 2 Cd:	2
EPA Region:	Region 9	Pop Cat 3:	3,301-50,000
Season Begin Date:	-	Pop Cat 3 Cd:	3
Season End Date:	-	Pop Cat 4:	100K+
Deactivation Date:	-	Pop Cat 4 Cd:	4
Fac Deactvtn Dt:	-	Pop Cat 5:	>100,000
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	5
Last Rptd Date:	18-DEC-13	ORG Name:	KWAN, SHAN
Primacy Agency:	California	Admin Name:	KWAN, SHAN
Is Source Ind:	Yes	Phone No:	626-744-4416
Facility Type Cd:	RS	Phone Ext No:	-
Facility Type Desc:	Reservoir	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	626-744-4670
Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NET
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	SW	Wtr Tp Desc:	Surface water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgr Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	L	Owner Type:	Local government
PWS Type Code:	CWS	PWS Type:	Community water system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	SW	Primary Srce:	Surface water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Unreported
Subms Sts Cd Vio:	U	Pop Srvd Cnt:	161,259
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	37355
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Sllr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	4
Submission Year:	2013	Validity Ind:	No
Submission Yr Qtr:	2013Q4		

--Details--

Treatment ID: -

Wells and Additional Sources Detail Report

Treatment Process Code: -
 Treatment Process: -
 Treatment Objective Code: -
 Treatment Objective: -
 Treatment Plant City: -
 Treatment Plant State: -
 Treatment Plant Addr 1: -
 Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910124	Pop Cat 11:	100,001-250,000
Facility ID:	3	Pop Cat 11 Cd:	8
Facility Name:	ATLANTA - MONITORING SITE	Pop Cat 2:	10,000+
EPA Region Code:	09	Pop Cat 2 Cd:	2
EPA Region:	Region 9	Pop Cat 3:	3,301-50,000
Season Begin Date:	-	Pop Cat 3 Cd:	3
Season End Date:	-	Pop Cat 4:	100K+
Deactivation Date:	-	Pop Cat 4 Cd:	4
Fac Deactivtn Dt:	-	Pop Cat 5:	>100,000
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	5
Last Rptd Date:	18-DEC-13	ORG Name:	KWAN, SHAN
Primacy Agency:	California	Admin Name:	KWAN, SHAN
Is Source Ind:	Yes	Phone No:	626-744-4416
Facility Type Cd:	WL	Phone Ext No:	-
Facility Type Desc:	Well	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	626-744-4670
Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NET
Availability Code:	O	Avlblty Desc:	Other
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	L	Owner Type:	Local government
PWS Type Code:	CWS	PWS Type:	Community water system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	SW	Primary Srce:	Surface water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Unreported
Subms Sts Cd Vio:	U	Pop Srvd Cnt:	161,259
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	37355

Wells and Additional Sources Detail Report

Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Sllr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	U	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	4
Submission Year:	2013	Validity Ind:	No
Submission Yr Qtr:	2013Q4		

--Details--

Treatment ID: -

Treatment Process Code: -

Treatment Process: -

Treatment Objective Code: -

Treatment Objective: -

Treatment Plant City: -

Treatment Plant State: -

Treatment Plant Addr 1: -

Treatment Plant Addr 2: -

Treatment Plant Zip Code: -

Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910124	Pop Cat 11:	100,001-250,000
Facility ID:	CA1910124003	Pop Cat 11 Cd:	8
Facility Name:	ATLANTA - MONITORING SITE	Pop Cat 2:	10,000+
EPA Region Code:	09	Pop Cat 2 Cd:	2
EPA Region:	Region 9	Pop Cat 3:	3,301-50,000
Season Begin Date:	-	Pop Cat 3 Cd:	3
Season End Date:	-	Pop Cat 4:	100K+
Deactivation Date:	-	Pop Cat 4 Cd:	4
Fac Deactvtn Dt:	-	Pop Cat 5:	>100,000
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	5
Last Rptd Date:	18-DEC-13	ORG Name:	KWAN, SHAN
Primacy Agency:	California	Admin Name:	KWAN, SHAN
Is Source Ind:	Yes	Phone No:	626-744-4416
Facility Type Cd:	WL	Phone Ext No:	-
Facility Type Desc:	Well	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	626-744-4670
Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NET
Availability Code:	O	Avlblty Desc:	Other
Water Type Code:	GW	Wtr Tp Desc:	Ground water

Wells and Additional Sources Detail Report

DBPR Schd Ctg Cd: -	DBPR Schd Ctg: -
Facility Activity Cd: A	Fac Activity: Active
Filtrtn Status Cd: -	Filt Stat Desc: -
GW or SW Code: SW	GW or SS: Surface water
LT2 Sch Ctgry Cd: -	LT2 Sched Ctg: -
Owner Type Code: L	Owner Type: Local government
PWS Type Code: CWS	PWS Type: Community water system
Primcy Agency Cd: CA	Primacy Type: State
Primary Source Cd: SW	Primary Srce: Surface water
Seller Treatmnt Cd: -	Seller Trt Dsc: -
Submsn Status Cd: Y	Sub Stat Dsc: Unreported
Subms Sts Cd Vio: U	Pop Srvd Cnt: 161,259
Is Grant Eligible: Yes	Srv Cnctn Cnt: 37355
Outstndng Perfrm: -	Seller PWSID: -
Outstndng Perf Dt: -	Sllr PWS Nm: -
Schl or Dycare: No	CDS ID: -
Source Treated Ind: -	Country Code: US
Src Wtr Protected: -	Cntry Nm BTP: -
Src Wtr Prot Dt: -	State Code: CA
NPM Candidate: Yes	State Fac ID: -
Is Wholesaler: No	Sub Quarter: 4
Submission Year: 2013	Validity Ind: No
Submission Yr Qtr: 2013Q4	

--Details--

Treatment ID: -

Treatment Process Code: -

Treatment Process: -

Treatment Objective Code: -

Treatment Objective: -

Treatment Plant City: -

Treatment Plant State: -

Treatment Plant Addr 1: -

Treatment Plant Addr 2: -

Treatment Plant Zip Code: -

Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID: CA1910430	Pop Cat 11: <=100
Facility ID: 1	Pop Cat 11 Cd: 1
Facility Name: SPRING	Pop Cat 2: <10,000
EPA Region Code: 09	Pop Cat 2 Cd: 1
EPA Region: Region 9	Pop Cat 3: <=3300
Season Begin Date: 01-01	Pop Cat 3 Cd: 1

Wells and Additional Sources Detail Report

Season End Date:	12-31	Pop Cat 4:	<10K
Deactivation Date:	01-NOV-93	Pop Cat 4 Cd:	1
Fac Deactvtn Dt:	01-NOV-93	Pop Cat 5:	<=500
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	1
Last Rptd Date:	24-JUL-95	ORG Name:	-
Primacy Agency:	California	Admin Name:	USFS ANGELES NF
Is Source Ind:	Yes	Phone No:	-
Facility Type Cd:	WL	Phone Ext No:	-
Facility Type Desc:	Well	Alt Phone No:	-
Activity Status Cd:	I	Fax No:	-
Activity Status:	Inactive	Email Addr:	-
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	I	Fac Activity:	Inactive
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	GW	GW or SS:	Groundwater
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	F	Owner Type:	Federal government
PWS Type Code:	TNCWS	PWS Type:	Transient non-community system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	GW	Primary Srce:	Ground water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	25
Is Grant Eligible:	No	Srv Cnctn Cnt:	0
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Slr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	Y	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	No	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qtr:	2016Q1		

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-
Treatment Objective Code:	-
Treatment Objective:	-
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-

Wells and Additional Sources Detail Report

Treatment Plant Zip Code: -
Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910124	Pop Cat 11:	100,001-250,000
Facility ID:	7489	Pop Cat 11 Cd:	8
Facility Name:	AERATION - SOUTH TOWER- INFLUENT-ABANDOND	Pop Cat 2:	10,000+
EPA Region Code:	09	Pop Cat 2 Cd:	2
EPA Region:	Region 9	Pop Cat 3:	3,301-50,000
Season Begin Date:	-	Pop Cat 3 Cd:	3
Season End Date:	-	Pop Cat 4:	100K+
Deactivation Date:	-	Pop Cat 4 Cd:	4
Fac Deactivtn Dt:	01-JUL-95	Pop Cat 5:	>100,000
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	5
Last Rptd Date:	01-APR-16	ORG Name:	KWAN, SHAN
Primacy Agency:	California	Admin Name:	KWAN, SHAN
Is Source Ind:	Yes	Phone No:	626-744-4416
Facility Type Cd:	WL	Phone Ext No:	-
Facility Type Desc:	Well	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	626-744-4670
Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NE T
Availability Code:	O	Avlblty Desc:	Other
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	I	Fac Activity:	Inactive
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	L	Owner Type:	Local government
PWS Type Code:	CWS	PWS Type:	Community water system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	SWP	Primary Srce:	Surface water purchased
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	165,740
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	36314
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Slr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	026
Is Wholesaler:	No	Sub Quarter:	1

Wells and Additional Sources Detail Report

Submission Year: 2016 Validity Ind: Yes
 Submission Yr Qtr: 2016Q1

--Details--

Treatment ID: -
 Treatment Process Code: -
 Treatment Process: -
 Treatment Objective Code: -
 Treatment Objective: -
 Treatment Plant City: -
 Treatment Plant State: -
 Treatment Plant Addr 1: -
 Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910124	Pop Cat 11:	100,001-250,000
Facility ID:	19	Pop Cat 11 Cd:	8
Facility Name:	VENTURA	Pop Cat 2:	10,000+
EPA Region Code:	09	Pop Cat 2 Cd:	2
EPA Region:	Region 9	Pop Cat 3:	3,301-50,000
Season Begin Date:	-	Pop Cat 3 Cd:	3
Season End Date:	-	Pop Cat 4:	100K+
Deactivation Date:	-	Pop Cat 4 Cd:	4
Fac Deactivtn Dt:	-	Pop Cat 5:	>100,000
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	5
Last Rptd Date:	18-DEC-13	ORG Name:	KWAN, SHAN
Primacy Agency:	California	Admin Name:	KWAN, SHAN
Is Source Ind:	Yes	Phone No:	626-744-4416
Facility Type Cd:	WL	Phone Ext No:	-
Facility Type Desc:	Well	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	626-744-4670
Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NET
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	L	Owner Type:	Local government
PWS Type Code:	CWS	PWS Type:	Community water system
Primcy Agency Cd:	CA	Primacy Type:	State

Wells and Additional Sources Detail Report

Primary Source Cd:	SW	Primary Srce:	Surface water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Unreported
Subms Sts Cd Vio:	U	Pop Srvd Cnt:	161,259
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	37355
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Sllr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	U	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	4
Submission Year:	2013	Validity Ind:	No
Submission Yr Qtr:	2013Q4		

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-
Treatment Objective Code:	-
Treatment Objective:	-
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910124	Pop Cat 11:	100,001-250,000
Facility ID:	3109	Pop Cat 11 Cd:	8
Facility Name:	SUNSET & COPELIN WELL CHLORINATION XCLD	Pop Cat 2:	10,000+
EPA Region Code:	09	Pop Cat 2 Cd:	2
EPA Region:	Region 9	Pop Cat 3:	3,301-50,000
Season Begin Date:	-	Pop Cat 3 Cd:	3
Season End Date:	-	Pop Cat 4:	100K+
Deactivation Date:	-	Pop Cat 4 Cd:	4
Fac Deactvtn Dt:	-	Pop Cat 5:	>100,000
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	5
Last Rptd Date:	01-APR-16	ORG Name:	KWAN, SHAN
Primacy Agency:	California	Admin Name:	KWAN, SHAN
Is Source Ind:	No	Phone No:	626-744-4416
Facility Type Cd:	TP	Phone Ext No:	-

Wells and Additional Sources Detail Report

Facility Type Desc:	Treatment Plant	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	626-744-4670
Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NET
Availability Code:	-	Avlblty Desc:	-
Water Type Code:	-	Wtr Tp Desc:	-
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	L	Owner Type:	Local government
PWS Type Code:	CWS	PWS Type:	Community water system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	SWP	Primary Srce:	Surface water purchased
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	165,740
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	36314
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Slr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	049
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	No
Submission Yr Qtr:	2016Q1		

--Details--

Treatment ID:	7403
Treatment Process Code:	401
Treatment Process:	Gaseous Chlorination, Post
Treatment Objective Code:	D
Treatment Objective:	Disinfection
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	GASEOUS CHLORINATION, POST

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910124	Pop Cat 11:	100,001-250,000
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Wells and Additional Sources Detail Report

Facility ID:	3100	Pop Cat 11 Cd:	8
Facility Name:	CHAPMAN - CHLORINATION	Pop Cat 2:	10,000+
EPA Region Code:	09	Pop Cat 2 Cd:	2
EPA Region:	Region 9	Pop Cat 3:	3,301-50,000
Season Begin Date:	-	Pop Cat 3 Cd:	3
Season End Date:	-	Pop Cat 4:	100K+
Deactivation Date:	-	Pop Cat 4 Cd:	4
Fac Deactvtn Dt:	-	Pop Cat 5:	>100,000
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	5
Last Rptd Date:	01-APR-16	ORG Name:	KWAN, SHAN
Primacy Agency:	California	Admin Name:	KWAN, SHAN
Is Source Ind:	No	Phone No:	626-744-4416
Facility Type Cd:	TP	Phone Ext No:	-
Facility Type Desc:	Treatment Plant	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	626-744-4670
Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NE T
Availability Code:	-	Avlblty Desc:	-
Water Type Code:	-	Wtr Tp Desc:	-
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	L	Owner Type:	Local government
PWS Type Code:	CWS	PWS Type:	Community water system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	SWP	Primary Srce:	Surface water purchased
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	165,740
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	36314
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Slr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	038
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qtr:	2016Q1		

--Details--

Treatment ID:	7412
Treatment Process Code:	401
Treatment Process:	Gaseous Chlorination, Post
Treatment Objective	D

Wells and Additional Sources Detail Report

Code:

Treatment Objective: Disinfection

Treatment Plant City: -

Treatment Plant State: -

Treatment Plant Addr 1: -

Treatment Plant Addr 2: -

Treatment Plant Zip Code: -

Treatment Comments: GASEOUS CHLORINATION, POST

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID: CA1910449

Facility ID: 1T

Facility Name: SPRING

EPA Region Code: 09

EPA Region: Region 9

Season Begin Date: 01-01

Season End Date: 12-31

Deactivation Date: 01-NOV-93

Fac Deactvtn Dt: 01-NOV-93

First Rptd Dt: 22-MAR-79

Last Rptd Date: 24-JUL-95

Primacy Agency: California

Is Source Ind: No

Facility Type Cd: TP

Facility Type Desc: Treatment Plant

Activity Status Cd: I

Activity Status: Inactive

Availability Code: P

Water Type Code: GW

DBPR Schd Ctg Cd: -

Facility Activity Cd: I

Filtrtn Status Cd: -

GW or SW Code: GW

LT2 Sch Ctgry Cd: -

Owner Type Code: F

PWS Type Code: TNCWS

Primcy Agency Cd: CA

Primary Source Cd: GW

Seller Treatmnt Cd: -

Submsn Status Cd: Y

Subms Sts Cd Vio: Y

Is Grant Eligible: No

Outstndng Perfrm: -

Outstndng Perf Dt: -

Pop Cat 11: <=100

Pop Cat 11 Cd: 1

Pop Cat 2: <10,000

Pop Cat 2 Cd: 1

Pop Cat 3: <=3300

Pop Cat 3 Cd: 1

Pop Cat 4: <10K

Pop Cat 4 Cd: 1

Pop Cat 5: <=500

Pop Cat 5 Cd: 1

ORG Name: -

Admin Name: USFS ANGELES NF

Phone No: -

Phone Ext No: -

Alt Phone No: -

Fax No: -

Email Addr: -

Avlblty Desc: Permanent

Wtr Tp Desc: Ground water

DBPR Schd Ctg: -

Fac Activity: Inactive

Filt Stat Desc: -

GW or SS: Groundwater

LT2 Sched Ctg: -

Owner Type: Federal government

PWS Type: Transient non-community system

Primacy Type: State

Primary Srce: Ground water

Seller Trt Dsc: -

Sub Stat Dsc: Reported and accepted

Pop Srvd Cnt: 25

Srv Cnctn Cnt: 0

Seller PWSID: -

Sllr PWS Nm: -

Wells and Additional Sources Detail Report

Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	No	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qtr:	2016Q1		

--Details--

Treatment ID:	5
Treatment Process Code:	473
Treatment Process:	Converted (FRDS-1.5)
Treatment Objective Code:	C
Treatment Objective:	Corrosion control
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Treatment ID:	11
Treatment Process Code:	461
Treatment Process:	Chlorination (FRDS-1.5)
Treatment Objective Code:	D
Treatment Objective:	Disinfection
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Treatment ID:	4
Treatment Process Code:	348
Treatment Process:	Filtered
Treatment Objective Code:	P
Treatment Objective:	Particulate removal
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Wells and Additional Sources Detail Report

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910423	Pop Cat 11:	<=100
Facility ID:	1T	Pop Cat 11 Cd:	1
Facility Name:	WELL	Pop Cat 2:	<10,000
EPA Region Code:	09	Pop Cat 2 Cd:	1
EPA Region:	Region 9	Pop Cat 3:	<=3300
Season Begin Date:	01-01	Pop Cat 3 Cd:	1
Season End Date:	12-31	Pop Cat 4:	<10K
Deactivation Date:	01-NOV-93	Pop Cat 4 Cd:	1
Fac Deactvtn Dt:	01-NOV-93	Pop Cat 5:	<=500
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	1
Last Rptd Date:	24-JUL-95	ORG Name:	-
Primacy Agency:	California	Admin Name:	USFS ANGELES NF
Is Source Ind:	No	Phone No:	-
Facility Type Cd:	TP	Phone Ext No:	-
Facility Type Desc:	Treatment Plant	Alt Phone No:	-
Activity Status Cd:	I	Fax No:	-
Activity Status:	Inactive	Email Addr:	-
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	I	Fac Activity:	Inactive
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	GW	GW or SS:	Groundwater
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	F	Owner Type:	Federal government
PWS Type Code:	TNCWS	PWS Type:	Transient non-community system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	GW	Primary Srce:	Ground water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	25
Is Grant Eligible:	No	Srv Cnctn Cnt:	0
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	SIlr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	No	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qtr:	2016Q1		

Wells and Additional Sources Detail Report

--Details--

Treatment ID: 11
 Treatment Process Code: 461
 Treatment Process: Chlorination (FRDS-1.5)
 Treatment Objective Code: D
 Treatment Objective: Disinfection
 Treatment Plant City: -
 Treatment Plant State: -
 Treatment Plant Addr 1: -
 Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: -

Treatment ID: 5
 Treatment Process Code: 473
 Treatment Process: Converted (FRDS-1.5)
 Treatment Objective Code: C
 Treatment Objective: Corrosion control
 Treatment Plant City: -
 Treatment Plant State: -
 Treatment Plant Addr 1: -
 Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: -

Treatment ID: 4
 Treatment Process Code: 348
 Treatment Process: Filtered
 Treatment Objective Code: P
 Treatment Objective: Particulate removal
 Treatment Plant City: -
 Treatment Plant State: -
 Treatment Plant Addr 1: -
 Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910124	Pop Cat 11:	100,001-250,000
Facility ID:	CA1910124011	Pop Cat 11 Cd:	8
Facility Name:	JOHN L BEHNER WTP EFFLUENT - INACTIVE	Pop Cat 2:	10,000+
EPA Region Code:	09	Pop Cat 2 Cd:	2
EPA Region:	Region 9	Pop Cat 3:	3,301-50,000

Wells and Additional Sources Detail Report

Season Begin Date:	-	Pop Cat 3 Cd:	3
Season End Date:	-	Pop Cat 4:	100K+
Deactivation Date:	-	Pop Cat 4 Cd:	4
Fac Deactvtn Dt:	01-JAN-01	Pop Cat 5:	>100,000
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	5
Last Rptd Date:	01-APR-16	ORG Name:	KWAN, SHAN
Primacy Agency:	California	Admin Name:	KWAN, SHAN
Is Source Ind:	Yes	Phone No:	626-744-4416
Facility Type Cd:	RS	Phone Ext No:	-
Facility Type Desc:	Reservoir	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	626-744-4670
Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NET
Availability Code:	O	Avlblty Desc:	Other
Water Type Code:	SW	Wtr Tp Desc:	Surface water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	I	Fac Activity:	Inactive
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	L	Owner Type:	Local government
PWS Type Code:	CWS	PWS Type:	Community water system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	SWP	Primary Srce:	Surface water purchased
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	165,740
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	36314
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Sllr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qtr:	2016Q1		

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-
Treatment Objective Code:	-
Treatment Objective:	-
Treatment Plant City:	-
Treatment Plant State:	-

Wells and Additional Sources Detail Report

Treatment Plant Addr 1: -
 Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910430	Pop Cat 11:	<=100
Facility ID:	1T	Pop Cat 11 Cd:	1
Facility Name:	SPRING	Pop Cat 2:	<10,000
EPA Region Code:	09	Pop Cat 2 Cd:	1
EPA Region:	Region 9	Pop Cat 3:	<=3300
Season Begin Date:	01-01	Pop Cat 3 Cd:	1
Season End Date:	12-31	Pop Cat 4:	<10K
Deactivation Date:	01-NOV-93	Pop Cat 4 Cd:	1
Fac Deactvtn Dt:	01-NOV-93	Pop Cat 5:	<=500
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	1
Last Rptd Date:	24-JUL-95	ORG Name:	-
Primacy Agency:	California	Admin Name:	USFS ANGELES NF
Is Source Ind:	No	Phone No:	-
Facility Type Cd:	TP	Phone Ext No:	-
Facility Type Desc:	Treatment Plant	Alt Phone No:	-
Activity Status Cd:	I	Fax No:	-
Activity Status:	Inactive	Email Addr:	-
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	I	Fac Activity:	Inactive
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	GW	GW or SS:	Groundwater
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	F	Owner Type:	Federal government
PWS Type Code:	TNCWS	PWS Type:	Transient non-community system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	GW	Primary Srce:	Ground water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	25
Is Grant Eligible:	No	Srv Cnctn Cnt:	0
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Slr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA

Wells and Additional Sources Detail Report

NPM Candidate:	No	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qtr:	2016Q1		

--Details--

Treatment ID:	4
Treatment Process Code:	348
Treatment Process:	Filtered
Treatment Objective Code:	P
Treatment Objective:	Particulate removal
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Treatment ID:	5
Treatment Process Code:	473
Treatment Process:	Converted (FRDS-1.5)
Treatment Objective Code:	C
Treatment Objective:	Corrosion control
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Treatment ID:	11
Treatment Process Code:	461
Treatment Process:	Chlorination (FRDS-1.5)
Treatment Objective Code:	D
Treatment Objective:	Disinfection
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

Wells and Additional Sources Detail Report

PWS ID:	CA1910400	Pop Cat 11:	<=100
Facility ID:	1T	Pop Cat 11 Cd:	1
Facility Name:	SPRING	Pop Cat 2:	<10,000
EPA Region Code:	09	Pop Cat 2 Cd:	1
EPA Region:	Region 9	Pop Cat 3:	<=3300
Season Begin Date:	01-01	Pop Cat 3 Cd:	1
Season End Date:	12-31	Pop Cat 4:	<10K
Deactivation Date:	01-NOV-93	Pop Cat 4 Cd:	1
Fac Deactvtn Dt:	01-NOV-93	Pop Cat 5:	<=500
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	1
Last Rptd Date:	24-JUL-95	ORG Name:	-
Primacy Agency:	California	Admin Name:	USFS ANGELES NF
Is Source Ind:	No	Phone No:	-
Facility Type Cd:	TP	Phone Ext No:	-
Facility Type Desc:	Treatment Plant	Alt Phone No:	-
Activity Status Cd:	I	Fax No:	-
Activity Status:	Inactive	Email Addr:	-
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	I	Fac Activity:	Inactive
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	GW	GW or SS:	Groundwater
LT2 Sch Ctgy Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	F	Owner Type:	Federal government
PWS Type Code:	TNCWS	PWS Type:	Transient non-community system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	GW	Primary Srce:	Ground water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	25
Is Grant Eligible:	No	Srv Cnctn Cnt:	0
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Sllr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	No	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qtr:	2016Q1		

--Details--

Treatment ID:	4
Treatment Process Code:	348
Treatment Process:	Filtered

Wells and Additional Sources Detail Report

Treatment Objective Code: P
 Treatment Objective: Particulate removal
 Treatment Plant City: -
 Treatment Plant State: -
 Treatment Plant Addr 1: -
 Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: -

Treatment ID: 11
 Treatment Process Code: 461
 Treatment Process: Chlorination (FRDS-1.5)
 Treatment Objective Code: D
 Treatment Objective: Disinfection
 Treatment Plant City: -
 Treatment Plant State: -
 Treatment Plant Addr 1: -
 Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: -

Treatment ID: 5
 Treatment Process Code: 473
 Treatment Process: Converted (FRDS-1.5)
 Treatment Objective Code: C
 Treatment Objective: Corrosion control
 Treatment Plant City: -
 Treatment Plant State: -
 Treatment Plant Addr 1: -
 Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910124	Pop Cat 11:	100,001-250,000
Facility ID:	CA1910124801	Pop Cat 11 Cd:	8
Facility Name:	SITE 31 - 1459 RUTHERFORD DRIVE-STG2 DBP	Pop Cat 2:	10,000+
EPA Region Code:	09	Pop Cat 2 Cd:	2
EPA Region:	Region 9	Pop Cat 3:	3,301-50,000
Season Begin Date:	-	Pop Cat 3 Cd:	3
Season End Date:	-	Pop Cat 4:	100K+
Deactivation Date:	-	Pop Cat 4 Cd:	4
Fac Deactivtn Dt:	-	Pop Cat 5:	>100,000

Wells and Additional Sources Detail Report

First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	5
Last Rptd Date:	18-DEC-13	ORG Name:	KWAN, SHAN
Primacy Agency:	California	Admin Name:	KWAN, SHAN
Is Source Ind:	Yes	Phone No:	626-744-4416
Facility Type Cd:	RS	Phone Ext No:	-
Facility Type Desc:	Reservoir	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	626-744-4670
Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NET
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	SW	Wtr Tp Desc:	Surface water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	L	Owner Type:	Local government
PWS Type Code:	CWS	PWS Type:	Community water system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	SW	Primary Srce:	Surface water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Unreported
Subms Sts Cd Vio:	U	Pop Srvd Cnt:	161,259
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	37355
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Slr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	4
Submission Year:	2013	Validity Ind:	No
Submission Yr Qtr:	2013Q4		

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-
Treatment Objective Code:	-
Treatment Objective:	-
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Wells and Additional Sources Detail Report

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910124	Pop Cat 11:	100,001-250,000
Facility ID:	CA1910124024	Pop Cat 11 Cd:	8
Facility Name:	SUNSET RESERVOIR-A BASIN- NO3 & VOC BLEND	Pop Cat 2:	10,000+
EPA Region Code:	09	Pop Cat 2 Cd:	2
EPA Region:	Region 9	Pop Cat 3:	3,301-50,000
Season Begin Date:	-	Pop Cat 3 Cd:	3
Season End Date:	-	Pop Cat 4:	100K+
Deactivation Date:	-	Pop Cat 4 Cd:	4
Fac Deactvtn Dt:	-	Pop Cat 5:	>100,000
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	5
Last Rptd Date:	18-DEC-13	ORG Name:	KWAN, SHAN
Primacy Agency:	California	Admin Name:	KWAN, SHAN
Is Source Ind:	No	Phone No:	626-744-4416
Facility Type Cd:	TP	Phone Ext No:	-
Facility Type Desc:	Treatment Plant	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	626-744-4670
Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NE T
Availability Code:	-	Avlblty Desc:	-
Water Type Code:	-	Wtr Tp Desc:	-
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgy Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	L	Owner Type:	Local government
PWS Type Code:	CWS	PWS Type:	Community water system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	SW	Primary Srce:	Surface water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Unreported
Subms Sts Cd Vio:	U	Pop Srvd Cnt:	161,259
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	37355
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Sllr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	4
Submission Year:	2013	Validity Ind:	No
Submission Yr Qtr:	2013Q4		

Wells and Additional Sources Detail Report

--Details--

Treatment ID: 01
 Treatment Process Code: 403
 Treatment Process: Gaseous Chlorination, Pre
 Treatment Objective Code: D
 Treatment Objective: Disinfection
 Treatment Plant City: -
 Treatment Plant State: -
 Treatment Plant Addr 1: -
 Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: -

Treatment ID: 02
 Treatment Process Code: 600
 Treatment Process: Rapid Mix
 Treatment Objective Code: I
 Treatment Objective: Inorganics removal
 Treatment Plant City: -
 Treatment Plant State: -
 Treatment Plant Addr 1: -
 Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910124	Pop Cat 11:	100,001-250,000
Facility ID:	3106	Pop Cat 11 Cd:	8
Facility Name:	WELL 58 - CHLORINATION	Pop Cat 2:	10,000+
EPA Region Code:	09	Pop Cat 2 Cd:	2
EPA Region:	Region 9	Pop Cat 3:	3,301-50,000
Season Begin Date:	-	Pop Cat 3 Cd:	3
Season End Date:	-	Pop Cat 4:	100K+
Deactivation Date:	-	Pop Cat 4 Cd:	4
Fac Deactvtn Dt:	-	Pop Cat 5:	>100,000
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	5
Last Rptd Date:	01-APR-16	ORG Name:	KWAN, SHAN
Primacy Agency:	California	Admin Name:	KWAN, SHAN
Is Source Ind:	No	Phone No:	626-744-4416
Facility Type Cd:	TP	Phone Ext No:	-
Facility Type Desc:	Treatment Plant	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	626-744-4670
Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NE

Wells and Additional Sources Detail Report

Availability Code: - Water Type Code: - DBPR Schd Ctg Cd: - Facility Activity Cd: A Filtrtn Status Cd: - GW or SW Code: SW LT2 Sch Ctgry Cd: - Owner Type Code: L PWS Type Code: CWS Primcy Agency Cd: CA Primary Source Cd: SWP Seller Treatmnt Cd: - Submsn Status Cd: Y Subms Sts Cd Vio: Y Is Grant Eligible: Yes Outstndng Perfrm: - Outstndng Perf Dt: - Schl or Dycare: No Source Treated Ind: - Src Wtr Protected: - Src Wtr Prot Dt: - NPM Candidate: Yes Is Wholesaler: No Submission Year: 2016 Submission Yr Qtr: 2016Q1	T Avlblty Desc: - Wtr Tp Desc: - DBPR Schd Ctg: - Fac Activity: Active Filt Stat Desc: - GW or SS: Surface water LT2 Sched Ctg: - Owner Type: Local government PWS Type: Community water system Primacy Type: State Primary Srce: Surface water purchased Seller Trt Dsc: - Sub Stat Dsc: Reported and accepted Pop Srvd Cnt: 165,740 Srv Cnctn Cnt: 36314 Seller PWSID: - Sllr PWS Nm: - CDS ID: - Country Code: US Cntry Nm BTP: - State Code: CA State Fac ID: 046 Sub Quarter: 1 Validity Ind: Yes
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--Details--

Treatment ID: 7405
 Treatment Process Code: 401
 Treatment Process: Gaseous Chlorination, Post
 Treatment Objective Code: D
 Treatment Objective: Disinfection
 Treatment Plant City: -
 Treatment Plant State: -
 Treatment Plant Addr 1: -
 Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: GASEOUS CHLORINATION, POST

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910124	Pop Cat 11:	100,001-250,000
Facility ID:	CA1910124042	Pop Cat 11 Cd:	8
Facility Name:	MONTE VISTA - CHLORINATION	Pop Cat 2:	10,000+

Wells and Additional Sources Detail Report

EPA Region Code:	09	Pop Cat 2 Cd:	2
EPA Region:	Region 9	Pop Cat 3:	3,301-50,000
Season Begin Date:	-	Pop Cat 3 Cd:	3
Season End Date:	-	Pop Cat 4:	100K+
Deactivation Date:	-	Pop Cat 4 Cd:	4
Fac Deactivtn Dt:	-	Pop Cat 5:	>100,000
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	5
Last Rptd Date:	18-DEC-13	ORG Name:	KWAN, SHAN
Primacy Agency:	California	Admin Name:	KWAN, SHAN
Is Source Ind:	No	Phone No:	626-744-4416
Facility Type Cd:	TP	Phone Ext No:	-
Facility Type Desc:	Treatment Plant	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	626-744-4670
Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NE T
Availability Code:	-	Avlblty Desc:	-
Water Type Code:	-	Wtr Tp Desc:	-
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgy Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	L	Owner Type:	Local government
PWS Type Code:	CWS	PWS Type:	Community water system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	SW	Primary Srce:	Surface water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Unreported
Subms Sts Cd Vio:	U	Pop Srvd Cnt:	161,259
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	37355
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Sllr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	4
Submission Year:	2013	Validity Ind:	No
Submission Yr Qtr:	2013Q4		

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-
Treatment Objective Code:	-
Treatment Objective:	-

Wells and Additional Sources Detail Report

Treatment Plant City: -
 Treatment Plant State: -
 Treatment Plant Addr 1: -
 Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910402	Pop Cat 11:	<=100
Facility ID:	1T	Pop Cat 11 Cd:	1
Facility Name:	SPRING	Pop Cat 2:	<10,000
EPA Region Code:	09	Pop Cat 2 Cd:	1
EPA Region:	Region 9	Pop Cat 3:	<=3300
Season Begin Date:	01-01	Pop Cat 3 Cd:	1
Season End Date:	12-31	Pop Cat 4:	<10K
Deactivation Date:	01-NOV-93	Pop Cat 4 Cd:	1
Fac Deactvtn Dt:	01-NOV-93	Pop Cat 5:	<=500
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	1
Last Rptd Date:	24-JUL-95	ORG Name:	-
Primacy Agency:	California	Admin Name:	USFS ANGELES NF
Is Source Ind:	No	Phone No:	-
Facility Type Cd:	TP	Phone Ext No:	-
Facility Type Desc:	Treatment Plant	Alt Phone No:	-
Activity Status Cd:	I	Fax No:	-
Activity Status:	Inactive	Email Addr:	-
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	I	Fac Activity:	Inactive
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	GW	GW or SS:	Groundwater
LT2 Sch Ctgy Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	F	Owner Type:	Federal government
PWS Type Code:	TNCWS	PWS Type:	Transient non-community system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	GW	Primary Srce:	Ground water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	25
Is Grant Eligible:	No	Srv Cnctn Cnt:	0
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Sllr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US

Wells and Additional Sources Detail Report

Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	No	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qtr:	2016Q1		

--Details--

Treatment ID:	5
Treatment Process Code:	473
Treatment Process:	Converted (FRDS-1.5)
Treatment Objective Code:	C
Treatment Objective:	Corrosion control
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Treatment ID:	11
Treatment Process Code:	461
Treatment Process:	Chlorination (FRDS-1.5)
Treatment Objective Code:	D
Treatment Objective:	Disinfection
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Treatment ID:	4
Treatment Process Code:	348
Treatment Process:	Filtered
Treatment Objective Code:	P
Treatment Objective:	Particulate removal
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

Wells and Additional Sources Detail Report

PWS ID:	CA1910124	Pop Cat 11:	100,001-250,000
Facility ID:	28403	Pop Cat 11 Cd:	8
Facility Name:	MWD CONNECTION, P-2 - TREATED	Pop Cat 2:	10,000+
EPA Region Code:	09	Pop Cat 2 Cd:	2
EPA Region:	Region 9	Pop Cat 3:	3,301-50,000
Season Begin Date:	-	Pop Cat 3 Cd:	3
Season End Date:	-	Pop Cat 4:	100K+
Deactivation Date:	-	Pop Cat 4 Cd:	4
Fac Deactvtn Dt:	-	Pop Cat 5:	>100,000
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	5
Last Rptd Date:	01-APR-16	ORG Name:	KWAN, SHAN
Primacy Agency:	California	Admin Name:	KWAN, SHAN
Is Source Ind:	Yes	Phone No:	626-744-4416
Facility Type Cd:	CC	Phone Ext No:	-
Facility Type Desc:	Consecutive Connection	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	626-744-4670
Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NET
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	SW	Wtr Tp Desc:	Surface water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	L	Owner Type:	Local government
PWS Type Code:	CWS	PWS Type:	Community water system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	SWP	Primary Srce:	Surface water purchased
Seller Treatmnt Cd:	Y	Seller Trt Dsc:	Partially treated by seller
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	165,740
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	36314
Outstndng Perfrm:	-	Seller PWSID:	CA1910087
Outstndng Perf Dt:	-	Sllr PWS Nm:	METROPOLITAN WATER DIST. OF SO. CAL.
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	N	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	034
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qtr:	2016Q1		

--Details--

Wells and Additional Sources Detail Report

Treatment ID: -
 Treatment Process Code: -
 Treatment Process: -
 Treatment Objective Code: -
 Treatment Objective: -
 Treatment Plant City: -
 Treatment Plant State: -
 Treatment Plant Addr 1: -
 Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910124	Pop Cat 11:	100,001-250,000
Facility ID:	31	Pop Cat 11 Cd:	8
Facility Name:	SUNSET RESERVOIR-TANK #2-NO3 & VOC BLEND	Pop Cat 2:	10,000+
EPA Region Code:	09	Pop Cat 2 Cd:	2
EPA Region:	Region 9	Pop Cat 3:	3,301-50,000
Season Begin Date:	-	Pop Cat 3 Cd:	3
Season End Date:	-	Pop Cat 4:	100K+
Deactivation Date:	-	Pop Cat 4 Cd:	4
Fac Deactvtn Dt:	-	Pop Cat 5:	>100,000
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	5
Last Rptd Date:	18-DEC-13	ORG Name:	KWAN, SHAN
Primacy Agency:	California	Admin Name:	KWAN, SHAN
Is Source Ind:	No	Phone No:	626-744-4416
Facility Type Cd:	ST	Phone Ext No:	-
Facility Type Desc:	Storage	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	626-744-4670
Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NET
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	-	Wtr Tp Desc:	-
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgy Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	L	Owner Type:	Local government
PWS Type Code:	CWS	PWS Type:	Community water system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	SW	Primary Srce:	Surface water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Unreported

Wells and Additional Sources Detail Report

Subms Sts Cd Vio:	U	Pop Srvd Cnt:	161,259
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	37355
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Sllr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	4
Submission Year:	2013	Validity Ind:	No
Submission Yr Qtr:	2013Q4		

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-
Treatment Objective Code:	-
Treatment Objective:	-
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910124	Pop Cat 11:	100,001-250,000
Facility ID:	CA1910124038	Pop Cat 11 Cd:	8
Facility Name:	CHAPMAN - CHLORINATION	Pop Cat 2:	10,000+
EPA Region Code:	09	Pop Cat 2 Cd:	2
EPA Region:	Region 9	Pop Cat 3:	3,301-50,000
Season Begin Date:	-	Pop Cat 3 Cd:	3
Season End Date:	-	Pop Cat 4:	100K+
Deactivation Date:	-	Pop Cat 4 Cd:	4
Fac Deactvtn Dt:	-	Pop Cat 5:	>100,000
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	5
Last Rptd Date:	18-DEC-13	ORG Name:	KWAN, SHAN
Primacy Agency:	California	Admin Name:	KWAN, SHAN
Is Source Ind:	No	Phone No:	626-744-4416
Facility Type Cd:	TP	Phone Ext No:	-
Facility Type Desc:	Treatment Plant	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	626-744-4670
Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NE T

Wells and Additional Sources Detail Report

Availability Code:	-	Avlblty Desc:	-
Water Type Code:	-	Wtr Tp Desc:	-
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	L	Owner Type:	Local government
PWS Type Code:	CWS	PWS Type:	Community water system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	SW	Primary Srce:	Surface water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Unreported
Subms Sts Cd Vio:	U	Pop Srvd Cnt:	161,259
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	37355
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Slr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	4
Submission Year:	2013	Validity Ind:	No
Submission Yr Qtr:	2013Q4		

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-
Treatment Objective Code:	-
Treatment Objective:	-
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910406	Pop Cat 11:	<=100
Facility ID:	1	Pop Cat 11 Cd:	1
Facility Name:	SPRING	Pop Cat 2:	<10,000
EPA Region Code:	09	Pop Cat 2 Cd:	1

Wells and Additional Sources Detail Report

EPA Region:	Region 9	Pop Cat 3:	<=3300
Season Begin Date:	01-01	Pop Cat 3 Cd:	1
Season End Date:	12-31	Pop Cat 4:	<10K
Deactivation Date:	01-NOV-93	Pop Cat 4 Cd:	1
Fac Deactivtn Dt:	01-NOV-93	Pop Cat 5:	<=500
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	1
Last Rptd Date:	24-JUL-95	ORG Name:	-
Primacy Agency:	California	Admin Name:	USFS ANGELES NF
Is Source Ind:	Yes	Phone No:	-
Facility Type Cd:	WL	Phone Ext No:	-
Facility Type Desc:	Well	Alt Phone No:	-
Activity Status Cd:	I	Fax No:	-
Activity Status:	Inactive	Email Addr:	-
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	I	Fac Activity:	Inactive
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	GW	GW or SS:	Groundwater
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	F	Owner Type:	Federal government
PWS Type Code:	TNCWS	PWS Type:	Transient non-community system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	GW	Primary Srce:	Ground water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	25
Is Grant Eligible:	No	Srv Cnctn Cnt:	0
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Slr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	Y	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	No	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qtr:	2016Q1		

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-
Treatment Objective Code:	-
Treatment Objective:	-
Treatment Plant City:	-
Treatment Plant State:	-

Wells and Additional Sources Detail Report

Treatment Plant Addr 1: -
 Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910124	Pop Cat 11:	100,001-250,000
Facility ID:	28404	Pop Cat 11 Cd:	8
Facility Name:	MWD CONNECTION, P-3 - TREATED	Pop Cat 2:	10,000+
EPA Region Code:	09	Pop Cat 2 Cd:	2
EPA Region:	Region 9	Pop Cat 3:	3,301-50,000
Season Begin Date:	-	Pop Cat 3 Cd:	3
Season End Date:	-	Pop Cat 4:	100K+
Deactivation Date:	-	Pop Cat 4 Cd:	4
Fac Deactvtn Dt:	-	Pop Cat 5:	>100,000
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	5
Last Rptd Date:	01-APR-16	ORG Name:	KWAN, SHAN
Primacy Agency:	California	Admin Name:	KWAN, SHAN
Is Source Ind:	Yes	Phone No:	626-744-4416
Facility Type Cd:	CC	Phone Ext No:	-
Facility Type Desc:	Consecutive Connection	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	626-744-4670
Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NET
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	SW	Wtr Tp Desc:	Surface water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	L	Owner Type:	Local government
PWS Type Code:	CWS	PWS Type:	Community water system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	SWP	Primary Srce:	Surface water purchased
Seller Treatmnt Cd:	Y	Seller Trt Dsc:	Partially treated by seller
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	165,740
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	36314
Outstndng Perfrm:	-	Seller PWSID:	CA1910087
Outstndng Perf Dt:	-	Slr PWS Nm:	METROPOLITAN WATER DIST. OF SO. CAL.
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	N	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-

Wells and Additional Sources Detail Report

Src Wtr Prot Dt: -	State Code: CA
NPM Candidate: Yes	State Fac ID: 035
Is Wholesaler: No	Sub Quarter: 1
Submission Year: 2016	Validity Ind: Yes
Submission Yr Qtr: 2016Q1	

--Details--

Treatment ID: -

Treatment Process Code: -

Treatment Process: -

Treatment Objective Code: -

Treatment Objective: -

Treatment Plant City: -

Treatment Plant State: -

Treatment Plant Addr 1: -

Treatment Plant Addr 2: -

Treatment Plant Zip Code: -

Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID: CA1910428	Pop Cat 11: <=100
Facility ID: 1T	Pop Cat 11 Cd: 1
Facility Name: WELL	Pop Cat 2: <10,000
EPA Region Code: 09	Pop Cat 2 Cd: 1
EPA Region: Region 9	Pop Cat 3: <=3300
Season Begin Date: 01-01	Pop Cat 3 Cd: 1
Season End Date: 12-31	Pop Cat 4: <10K
Deactivation Date: 01-NOV-93	Pop Cat 4 Cd: 1
Fac Deactvtn Dt: 01-NOV-93	Pop Cat 5: <=500
First Rptd Dt: 22-MAR-79	Pop Cat 5 Cd: 1
Last Rptd Date: 24-JUL-95	ORG Name: -
Primacy Agency: California	Admin Name: USFS ANGELES NF
Is Source Ind: No	Phone No: -
Facility Type Cd: TP	Phone Ext No: -
Facility Type Desc: Treatment Plant	Alt Phone No: -
Activity Status Cd: I	Fax No: -
Activity Status: Inactive	Email Addr: -
Availability Code: P	Avlblty Desc: Permanent
Water Type Code: GW	Wtr Tp Desc: Ground water
DBPR Schd Ctg Cd: -	DBPR Schd Ctg: -
Facility Activity Cd: I	Fac Activity: Inactive
Filtrtn Status Cd: -	Filt Stat Desc: -
GW or SW Code: GW	GW or SS: Groundwater
LT2 Sch Ctgry Cd: -	LT2 Sched Ctg: -

Wells and Additional Sources Detail Report

Owner Type Code:	F	Owner Type:	Federal government
PWS Type Code:	TNCWS	PWS Type:	Transient non-community system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	GW	Primary Srce:	Ground water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	25
Is Grant Eligible:	No	Srv Cnctn Cnt:	0
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Slr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	No	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qtr:	2016Q1		

--Details--

Treatment ID:	5
Treatment Process Code:	473
Treatment Process:	Converted (FRDS-1.5)
Treatment Objective Code:	C
Treatment Objective:	Corrosion control
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Treatment ID:	11
Treatment Process Code:	461
Treatment Process:	Chlorination (FRDS-1.5)
Treatment Objective Code:	D
Treatment Objective:	Disinfection
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Treatment ID:	4
Treatment Process Code:	348

Wells and Additional Sources Detail Report

Treatment Process: Filtered
 Treatment Objective Code: P
 Treatment Objective: Particulate removal
 Treatment Plant City: -
 Treatment Plant State: -
 Treatment Plant Addr 1: -
 Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910124	Pop Cat 11:	100,001-250,000
Facility ID:	CA1910124027	Pop Cat 11 Cd:	8
Facility Name:	AERATION TOWERS EFFLUENT - ABANDONED	Pop Cat 2:	10,000+
EPA Region Code:	09	Pop Cat 2 Cd:	2
EPA Region:	Region 9	Pop Cat 3:	3,301-50,000
Season Begin Date:	-	Pop Cat 3 Cd:	3
Season End Date:	-	Pop Cat 4:	100K+
Deactivation Date:	-	Pop Cat 4 Cd:	4
Fac Deactvtn Dt:	01-JAN-01	Pop Cat 5:	>100,000
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	5
Last Rptd Date:	01-APR-16	ORG Name:	KWAN, SHAN
Primacy Agency:	California	Admin Name:	KWAN, SHAN
Is Source Ind:	No	Phone No:	626-744-4416
Facility Type Cd:	TP	Phone Ext No:	-
Facility Type Desc:	Treatment Plant	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	626-744-4670
Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NET
Availability Code:	-	Avlblty Desc:	-
Water Type Code:	-	Wtr Tp Desc:	-
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	I	Fac Activity:	Inactive
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	L	Owner Type:	Local government
PWS Type Code:	CWS	PWS Type:	Community water system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	SWP	Primary Srce:	Surface water purchased
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	165,740
Is Grant Eligible:	Yes	Svc Cnctn Cnt:	36314

Wells and Additional Sources Detail Report

Outstanding Perfrm:	-	Seller PWSID:	-
Outstanding Perf Dt:	-	Sllr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qtr:	2016Q1		

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-
Treatment Objective Code:	-
Treatment Objective:	-
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910408	Pop Cat 11:	<=100
Facility ID:	1T	Pop Cat 11 Cd:	1
Facility Name:	WELL	Pop Cat 2:	<10,000
EPA Region Code:	09	Pop Cat 2 Cd:	1
EPA Region:	Region 9	Pop Cat 3:	<=3300
Season Begin Date:	01-01	Pop Cat 3 Cd:	1
Season End Date:	12-31	Pop Cat 4:	<10K
Deactivation Date:	01-NOV-93	Pop Cat 4 Cd:	1
Fac Deactvtn Dt:	01-NOV-93	Pop Cat 5:	<=500
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	1
Last Rptd Date:	24-JUL-95	ORG Name:	-
Primacy Agency:	California	Admin Name:	USFS ANGELES NF
Is Source Ind:	No	Phone No:	-
Facility Type Cd:	TP	Phone Ext No:	-
Facility Type Desc:	Treatment Plant	Alt Phone No:	-
Activity Status Cd:	I	Fax No:	-
Activity Status:	Inactive	Email Addr:	-
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	GW	Wtr Tp Desc:	Ground water

Wells and Additional Sources Detail Report

DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	I	Fac Activity:	Inactive
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	GW	GW or SS:	Groundwater
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	F	Owner Type:	Federal government
PWS Type Code:	TNCWS	PWS Type:	Transient non-community system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	GW	Primary Srce:	Ground water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	25
Is Grant Eligible:	No	Srv Cnctn Cnt:	0
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Sllr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	No	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qtr:	2016Q1		

--Details--

Treatment ID:	11
Treatment Process Code:	461
Treatment Process:	Chlorination (FRDS-1.5)
Treatment Objective Code:	D
Treatment Objective:	Disinfection
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Treatment ID:	5
Treatment Process Code:	473
Treatment Process:	Converted (FRDS-1.5)
Treatment Objective Code:	C
Treatment Objective:	Corrosion control
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-

Wells and Additional Sources Detail Report

Treatment Plant Zip Code: -
 Treatment Comments: -
 Treatment ID: 4
 Treatment Process Code: 348
 Treatment Process: Filtered
 Treatment Objective Code: P
 Treatment Objective: Particulate removal
 Treatment Plant City: -
 Treatment Plant State: -
 Treatment Plant Addr 1: -
 Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910124	Pop Cat 11:	100,001-250,000
Facility ID:	18	Pop Cat 11 Cd:	8
Facility Name:	SUNSET	Pop Cat 2:	10,000+
EPA Region Code:	09	Pop Cat 2 Cd:	2
EPA Region:	Region 9	Pop Cat 3:	3,301-50,000
Season Begin Date:	-	Pop Cat 3 Cd:	3
Season End Date:	-	Pop Cat 4:	100K+
Deactivation Date:	-	Pop Cat 4 Cd:	4
Fac Deactvtn Dt:	-	Pop Cat 5:	>100,000
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	5
Last Rptd Date:	18-DEC-13	ORG Name:	KWAN, SHAN
Primacy Agency:	California	Admin Name:	KWAN, SHAN
Is Source Ind:	Yes	Phone No:	626-744-4416
Facility Type Cd:	WL	Phone Ext No:	-
Facility Type Desc:	Well	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	626-744-4670
Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NET
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	L	Owner Type:	Local government
PWS Type Code:	CWS	PWS Type:	Community water system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	SW	Primary Srce:	Surface water

Wells and Additional Sources Detail Report

Seller Treatmnt Cd: -	Seller Trt Dsc: -
Submsn Status Cd: Y	Sub Stat Dsc: Unreported
Subms Sts Cd Vio: U	Pop Srvd Cnt: 161,259
Is Grant Eligible: Yes	Srv Cnctn Cnt: 37355
Outstndng Perfrm: -	Seller PWSID: -
Outstndng Perf Dt: -	Sllr PWS Nm: -
Schl or Dycare: No	CDS ID: -
Source Treated Ind: U	Country Code: US
Src Wtr Protected: -	Cntry Nm BTP: -
Src Wtr Prot Dt: -	State Code: CA
NPM Candidate: Yes	State Fac ID: -
Is Wholesaler: No	Sub Quarter: 4
Submission Year: 2013	Validity Ind: No
Submission Yr Qtr: 2013Q4	

--Details--

Treatment ID: -

Treatment Process Code: -

Treatment Process: -

Treatment Objective Code: -

Treatment Objective: -

Treatment Plant City: -

Treatment Plant State: -

Treatment Plant Addr 1: -

Treatment Plant Addr 2: -

Treatment Plant Zip Code: -

Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID: CA1910413	Pop Cat 11: <=100
Facility ID: 1	Pop Cat 11 Cd: 1
Facility Name: STREAM	Pop Cat 2: <10,000
EPA Region Code: 09	Pop Cat 2 Cd: 1
EPA Region: Region 9	Pop Cat 3: <=3300
Season Begin Date: 01-01	Pop Cat 3 Cd: 1
Season End Date: 12-31	Pop Cat 4: <10K
Deactivation Date: 01-NOV-93	Pop Cat 4 Cd: 1
Fac Deactvtn Dt: 01-NOV-93	Pop Cat 5: <=500
First Rptd Dt: 22-MAR-79	Pop Cat 5 Cd: 1
Last Rptd Date: 24-JUL-95	ORG Name: -
Primacy Agency: California	Admin Name: USFS ANGELES NF
Is Source Ind: Yes	Phone No: -
Facility Type Cd: IN	Phone Ext No: -
Facility Type Desc: Intake	Alt Phone No: -

Wells and Additional Sources Detail Report

Activity Status Cd:	I	Fax No:	-
Activity Status:	Inactive	Email Addr:	-
Availability Code:	P	Avlbty Desc:	Permanent
Water Type Code:	SW	Wtr Tp Desc:	Surface water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	I	Fac Activity:	Inactive
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	F	Owner Type:	Federal government
PWS Type Code:	TNCWS	PWS Type:	Transient non-community system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	SW	Primary Srce:	Surface water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	25
Is Grant Eligible:	No	Srv Cnctn Cnt:	0
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Sllr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	Y	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	No	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qtr:	2016Q1		

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-
Treatment Objective Code:	-
Treatment Objective:	-
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910409	Pop Cat 11:	<=100
Facility ID:	1	Pop Cat 11 Cd:	1

Wells and Additional Sources Detail Report

Facility Name:	SPRING	Pop Cat 2:	<10,000
EPA Region Code:	09	Pop Cat 2 Cd:	1
EPA Region:	Region 9	Pop Cat 3:	<=3300
Season Begin Date:	01-01	Pop Cat 3 Cd:	1
Season End Date:	12-31	Pop Cat 4:	<10K
Deactivation Date:	01-NOV-93	Pop Cat 4 Cd:	1
Fac Deactvtn Dt:	01-NOV-93	Pop Cat 5:	<=500
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	1
Last Rptd Date:	24-JUL-95	ORG Name:	-
Primacy Agency:	California	Admin Name:	USFS ANGELES NF
Is Source Ind:	Yes	Phone No:	-
Facility Type Cd:	WL	Phone Ext No:	-
Facility Type Desc:	Well	Alt Phone No:	-
Activity Status Cd:	I	Fax No:	-
Activity Status:	Inactive	Email Addr:	-
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	I	Fac Activity:	Inactive
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	GW	GW or SS:	Groundwater
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	F	Owner Type:	Federal government
PWS Type Code:	TNCWS	PWS Type:	Transient non-community system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	GW	Primary Srce:	Ground water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	25
Is Grant Eligible:	No	Srv Cnctn Cnt:	0
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Slr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	Y	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	No	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qtr:	2016Q1		

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-
Treatment Objective Code:	-
Treatment Objective:	-

Wells and Additional Sources Detail Report

Treatment Plant City: -
 Treatment Plant State: -
 Treatment Plant Addr 1: -
 Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910405	Pop Cat 11:	<=100
Facility ID:	1	Pop Cat 11 Cd:	1
Facility Name:	SPRING	Pop Cat 2:	<10,000
EPA Region Code:	09	Pop Cat 2 Cd:	1
EPA Region:	Region 9	Pop Cat 3:	<=3300
Season Begin Date:	01-01	Pop Cat 3 Cd:	1
Season End Date:	12-31	Pop Cat 4:	<10K
Deactivation Date:	01-NOV-93	Pop Cat 4 Cd:	1
Fac Deactvtn Dt:	01-NOV-93	Pop Cat 5:	<=500
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	1
Last Rptd Date:	24-JUL-95	ORG Name:	-
Primacy Agency:	California	Admin Name:	USFS ANGELES NF
Is Source Ind:	Yes	Phone No:	-
Facility Type Cd:	WL	Phone Ext No:	-
Facility Type Desc:	Well	Alt Phone No:	-
Activity Status Cd:	I	Fax No:	-
Activity Status:	Inactive	Email Addr:	-
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	I	Fac Activity:	Inactive
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	GW	GW or SS:	Groundwater
LT2 Sch Ctgy Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	F	Owner Type:	Federal government
PWS Type Code:	TNCWS	PWS Type:	Transient non-community system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	GW	Primary Srce:	Ground water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	25
Is Grant Eligible:	No	Srv Cnctn Cnt:	0
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Sllr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	Y	Country Code:	US

Wells and Additional Sources Detail Report

Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	No	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qtr:	2016Q1		

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-
Treatment Objective Code:	-
Treatment Objective:	-
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910400	Pop Cat 11:	<=100
Facility ID:	1	Pop Cat 11 Cd:	1
Facility Name:	SPRING	Pop Cat 2:	<10,000
EPA Region Code:	09	Pop Cat 2 Cd:	1
EPA Region:	Region 9	Pop Cat 3:	<=3300
Season Begin Date:	01-01	Pop Cat 3 Cd:	1
Season End Date:	12-31	Pop Cat 4:	<10K
Deactivation Date:	01-NOV-93	Pop Cat 4 Cd:	1
Fac Deactvtn Dt:	01-NOV-93	Pop Cat 5:	<=500
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	1
Last Rptd Date:	24-JUL-95	ORG Name:	-
Primacy Agency:	California	Admin Name:	USFS ANGELES NF
Is Source Ind:	Yes	Phone No:	-
Facility Type Cd:	WL	Phone Ext No:	-
Facility Type Desc:	Well	Alt Phone No:	-
Activity Status Cd:	I	Fax No:	-
Activity Status:	Inactive	Email Addr:	-
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	I	Fac Activity:	Inactive
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	GW	GW or SS:	Groundwater

Wells and Additional Sources Detail Report

LT2 Sch Ctgr Cd: -	LT2 Sched Ctg: -
Owner Type Code: F	Owner Type: Federal government
PWS Type Code: TNCWS	PWS Type: Transient non-community system
Primcy Agency Cd: CA	Primacy Type: State
Primary Source Cd: GW	Primary Srce: Ground water
Seller Treatmnt Cd: -	Seller Trt Dsc: -
Submsn Status Cd: Y	Sub Stat Dsc: Reported and accepted
Subms Sts Cd Vio: Y	Pop Srvd Cnt: 25
Is Grant Eligible: No	Srv Cnctn Cnt: 0
Outstndng Perfrm: -	Seller PWSID: -
Outstndng Perf Dt: -	Sllr PWS Nm: -
Schl or Dycare: No	CDS ID: -
Source Treated Ind: Y	Country Code: US
Src Wtr Protected: -	Cntry Nm BTP: -
Src Wtr Prot Dt: -	State Code: CA
NPM Candidate: No	State Fac ID: -
Is Wholesaler: No	Sub Quarter: 1
Submission Year: 2016	Validity Ind: Yes
Submission Yr Qtr: 2016Q1	

--Details--

Treatment ID: -

Treatment Process Code: -

Treatment Process: -

Treatment Objective Code: -

Treatment Objective: -

Treatment Plant City: -

Treatment Plant State: -

Treatment Plant Addr 1: -

Treatment Plant Addr 2: -

Treatment Plant Zip Code: -

Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID: CA1910426	Pop Cat 11: <=100
Facility ID: 1	Pop Cat 11 Cd: 1
Facility Name: SPRING	Pop Cat 2: <10,000
EPA Region Code: 09	Pop Cat 2 Cd: 1
EPA Region: Region 9	Pop Cat 3: <=3300
Season Begin Date: 01-01	Pop Cat 3 Cd: 1
Season End Date: 12-31	Pop Cat 4: <10K
Deactivation Date: 01-NOV-93	Pop Cat 4 Cd: 1
Fac Deactvtn Dt: 01-NOV-93	Pop Cat 5: <=500
First Rptd Dt: 22-MAR-79	Pop Cat 5 Cd: 1

Wells and Additional Sources Detail Report

Last Rptd Date:	24-JUL-95	ORG Name:	-
Primacy Agency:	California	Admin Name:	USFS ANGELES NF
Is Source Ind:	Yes	Phone No:	-
Facility Type Cd:	WL	Phone Ext No:	-
Facility Type Desc:	Well	Alt Phone No:	-
Activity Status Cd:	I	Fax No:	-
Activity Status:	Inactive	Email Addr:	-
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	I	Fac Activity:	Inactive
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	GW	GW or SS:	Groundwater
LT2 Sch Ctgy Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	F	Owner Type:	Federal government
PWS Type Code:	TNCWS	PWS Type:	Transient non-community system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	GW	Primary Srce:	Ground water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	25
Is Grant Eligible:	No	Srv Cnctn Cnt:	0
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Sllr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	Y	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	No	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qtr:	2016Q1		

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-
Treatment Objective Code:	-
Treatment Objective:	-
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
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Wells and Additional Sources Detail Report

2	NE	0.48	2,539.22	830.34	SDWIS
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PWS ID:	CA1910124	Pop Cat 11:	100,001-250,000
Facility ID:	CA1910124039	Pop Cat 11 Cd:	8
Facility Name:	CRAIG - CHLORINATION	Pop Cat 2:	10,000+
EPA Region Code:	09	Pop Cat 2 Cd:	2
EPA Region:	Region 9	Pop Cat 3:	3,301-50,000
Season Begin Date:	-	Pop Cat 3 Cd:	3
Season End Date:	-	Pop Cat 4:	100K+
Deactivation Date:	-	Pop Cat 4 Cd:	4
Fac Deactivtn Dt:	-	Pop Cat 5:	>100,000
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	5
Last Rptd Date:	18-DEC-13	ORG Name:	KWAN, SHAN
Primacy Agency:	California	Admin Name:	KWAN, SHAN
Is Source Ind:	No	Phone No:	626-744-4416
Facility Type Cd:	TP	Phone Ext No:	-
Facility Type Desc:	Treatment Plant	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	626-744-4670
Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NE T
Availability Code:	-	Avlblty Desc:	-
Water Type Code:	-	Wtr Tp Desc:	-
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	L	Owner Type:	Local government
PWS Type Code:	CWS	PWS Type:	Community water system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	SW	Primary Srce:	Surface water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Unreported
Subms Sts Cd Vio:	U	Pop Srvd Cnt:	161,259
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	37355
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Slr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	4
Submission Year:	2013	Validity Ind:	No
Submission Yr Qrtr:	2013Q4		

--Details--

Wells and Additional Sources Detail Report

Treatment ID: -
 Treatment Process Code: -
 Treatment Process: -
 Treatment Objective Code: -
 Treatment Objective: -
 Treatment Plant City: -
 Treatment Plant State: -
 Treatment Plant Addr 1: -
 Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910124	Pop Cat 11:	100,001-250,000
Facility ID:	18258	Pop Cat 11 Cd:	8
Facility Name:	VILLA-GARFIELD-FLUORIDE BLEND-DESTROYED	Pop Cat 2:	10,000+
EPA Region Code:	09	Pop Cat 2 Cd:	2
EPA Region:	Region 9	Pop Cat 3:	3,301-50,000
Season Begin Date:	-	Pop Cat 3 Cd:	3
Season End Date:	-	Pop Cat 4:	100K+
Deactivation Date:	-	Pop Cat 4 Cd:	4
Fac Deactvtn Dt:	01-JUL-95	Pop Cat 5:	>100,000
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	5
Last Rptd Date:	01-APR-16	ORG Name:	KWAN, SHAN
Primacy Agency:	California	Admin Name:	KWAN, SHAN
Is Source Ind:	Yes	Phone No:	626-744-4416
Facility Type Cd:	WL	Phone Ext No:	-
Facility Type Desc:	Well	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	626-744-4670
Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NET
Availability Code:	O	Avlblty Desc:	Other
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	I	Fac Activity:	Inactive
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	L	Owner Type:	Local government
PWS Type Code:	CWS	PWS Type:	Community water system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	SWP	Primary Srce:	Surface water purchased
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted

Wells and Additional Sources Detail Report

Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	165,740
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	36314
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Sllr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	032
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qtr:	2016Q1		

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-
Treatment Objective Code:	-
Treatment Objective:	-
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910124	Pop Cat 11:	100,001-250,000
Facility ID:	5887	Pop Cat 11 Cd:	8
Facility Name:	SUNSET RESERVOIR-TANK #1-NO3 & VOC BLEND	Pop Cat 2:	10,000+
EPA Region Code:	09	Pop Cat 2 Cd:	2
EPA Region:	Region 9	Pop Cat 3:	3,301-50,000
Season Begin Date:	-	Pop Cat 3 Cd:	3
Season End Date:	-	Pop Cat 4:	100K+
Deactivation Date:	-	Pop Cat 4 Cd:	4
Fac Deactvtn Dt:	-	Pop Cat 5:	>100,000
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	5
Last Rptd Date:	01-APR-16	ORG Name:	KWAN, SHAN
Primacy Agency:	California	Admin Name:	KWAN, SHAN
Is Source Ind:	No	Phone No:	626-744-4416
Facility Type Cd:	TP	Phone Ext No:	-
Facility Type Desc:	Treatment Plant	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	626-744-4670
Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NE

Wells and Additional Sources Detail Report

Availability Code:	-	Avlblty Desc:	T
Water Type Code:	-	Wtr Tp Desc:	-
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	L	Owner Type:	Local government
PWS Type Code:	CWS	PWS Type:	Community water system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	SWP	Primary Srce:	Surface water purchased
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	165,740
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	36314
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Slr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	030
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qtr:	2016Q1		

--Details--

Treatment ID:	7396
Treatment Process Code:	403
Treatment Process:	Gaseous Chlorination, Pre
Treatment Objective Code:	D
Treatment Objective:	Disinfection
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	GASEOUS CHLORINATION, PRE

Treatment ID:	7397
Treatment Process Code:	600
Treatment Process:	Rapid Mix
Treatment Objective Code:	I
Treatment Objective:	Inorganics removal
Treatment Plant City:	-

Wells and Additional Sources Detail Report

Treatment Plant State: -
 Treatment Plant Addr 1: -
 Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: RAPID MIX

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910442	Pop Cat 11:	<=100
Facility ID:	1T	Pop Cat 11 Cd:	1
Facility Name:	SPRING	Pop Cat 2:	<10,000
EPA Region Code:	09	Pop Cat 2 Cd:	1
EPA Region:	Region 9	Pop Cat 3:	<=3300
Season Begin Date:	01-01	Pop Cat 3 Cd:	1
Season End Date:	12-31	Pop Cat 4:	<10K
Deactivation Date:	01-NOV-93	Pop Cat 4 Cd:	1
Fac Deactvtn Dt:	01-NOV-93	Pop Cat 5:	<=500
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	1
Last Rptd Date:	24-JUL-95	ORG Name:	-
Primacy Agency:	California	Admin Name:	USFS ANGELES NF
Is Source Ind:	No	Phone No:	-
Facility Type Cd:	TP	Phone Ext No:	-
Facility Type Desc:	Treatment Plant	Alt Phone No:	-
Activity Status Cd:	I	Fax No:	-
Activity Status:	Inactive	Email Addr:	-
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	I	Fac Activity:	Inactive
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	GW	GW or SS:	Groundwater
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	F	Owner Type:	Federal government
PWS Type Code:	TNCWS	PWS Type:	Transient non-community system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	GW	Primary Srce:	Ground water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	25
Is Grant Eligible:	No	Srv Cnctn Cnt:	0
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Slr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-

Wells and Additional Sources Detail Report

Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	No	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qtr:	2016Q1		

--Details--

Treatment ID:	5
Treatment Process Code:	473
Treatment Process:	Converted (FRDS-1.5)
Treatment Objective Code:	C
Treatment Objective:	Corrosion control
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Treatment ID:	4
Treatment Process Code:	348
Treatment Process:	Filtered
Treatment Objective Code:	P
Treatment Objective:	Particulate removal
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Treatment ID:	11
Treatment Process Code:	461
Treatment Process:	Chlorination (FRDS-1.5)
Treatment Objective Code:	D
Treatment Objective:	Disinfection
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

Wells and Additional Sources Detail Report

PWS ID:	CA1910435	Pop Cat 11:	<=100
Facility ID:	1T	Pop Cat 11 Cd:	1
Facility Name:	STREAM	Pop Cat 2:	<10,000
EPA Region Code:	09	Pop Cat 2 Cd:	1
EPA Region:	Region 9	Pop Cat 3:	<=3300
Season Begin Date:	01-01	Pop Cat 3 Cd:	1
Season End Date:	12-31	Pop Cat 4:	<10K
Deactivation Date:	01-NOV-93	Pop Cat 4 Cd:	1
Fac Deactivtn Dt:	01-NOV-93	Pop Cat 5:	<=500
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	1
Last Rptd Date:	24-JUL-95	ORG Name:	-
Primacy Agency:	California	Admin Name:	USFS ANGELES NF
Is Source Ind:	No	Phone No:	-
Facility Type Cd:	TP	Phone Ext No:	-
Facility Type Desc:	Treatment Plant	Alt Phone No:	-
Activity Status Cd:	I	Fax No:	-
Activity Status:	Inactive	Email Addr:	-
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	SW	Wtr Tp Desc:	Surface water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	I	Fac Activity:	Inactive
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	F	Owner Type:	Federal government
PWS Type Code:	TNCWS	PWS Type:	Transient non-community system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	SW	Primary Srce:	Surface water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	25
Is Grant Eligible:	No	Srv Cnctn Cnt:	0
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Slr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	No	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qtr:	2016Q1		

--Details--

Treatment ID: 11
Treatment Process Code: 461

Wells and Additional Sources Detail Report

Treatment Process: Chlorination (FRDS-1.5)
 Treatment Objective Code: D
 Treatment Objective: Disinfection
 Treatment Plant City: -
 Treatment Plant State: -
 Treatment Plant Addr 1: -
 Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: -

Treatment ID: 4
 Treatment Process Code: 348
 Treatment Process: Filtered
 Treatment Objective Code: P
 Treatment Objective: Particulate removal
 Treatment Plant City: -
 Treatment Plant State: -
 Treatment Plant Addr 1: -
 Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: -

Treatment ID: 5
 Treatment Process Code: 473
 Treatment Process: Converted (FRDS-1.5)
 Treatment Objective Code: C
 Treatment Objective: Corrosion control
 Treatment Plant City: -
 Treatment Plant State: -
 Treatment Plant Addr 1: -
 Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910124	Pop Cat 11:	100,001-250,000
Facility ID:	CA1910124047	Pop Cat 11 Cd:	8
Facility Name:	WELL 59	Pop Cat 2:	10,000+
EPA Region Code:	09	Pop Cat 2 Cd:	2
EPA Region:	Region 9	Pop Cat 3:	3,301-50,000
Season Begin Date:	-	Pop Cat 3 Cd:	3
Season End Date:	-	Pop Cat 4:	100K+
Deactivation Date:	-	Pop Cat 4 Cd:	4

Wells and Additional Sources Detail Report

Fac Deactivtn Dt:	-	Pop Cat 5:	>100,000
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	5
Last Rptd Date:	18-DEC-13	ORG Name:	KWAN, SHAN
Primacy Agency:	California	Admin Name:	KWAN, SHAN
Is Source Ind:	Yes	Phone No:	626-744-4416
Facility Type Cd:	WL	Phone Ext No:	-
Facility Type Desc:	Well	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	626-744-4670
Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NET
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgy Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	L	Owner Type:	Local government
PWS Type Code:	CWS	PWS Type:	Community water system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	SW	Primary Srce:	Surface water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Unreported
Subms Sts Cd Vio:	U	Pop Srvd Cnt:	161,259
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	37355
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Sllr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	4
Submission Year:	2013	Validity Ind:	No
Submission Yr Qtr:	2013Q4		

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-
Treatment Objective Code:	-
Treatment Objective:	-
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-

Wells and Additional Sources Detail Report

Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910124	Pop Cat 11:	100,001-250,000
Facility ID:	3101	Pop Cat 11 Cd:	8
Facility Name:	CRAIG - CHLORINATION	Pop Cat 2:	10,000+
EPA Region Code:	09	Pop Cat 2 Cd:	2
EPA Region:	Region 9	Pop Cat 3:	3,301-50,000
Season Begin Date:	-	Pop Cat 3 Cd:	3
Season End Date:	-	Pop Cat 4:	100K+
Deactivation Date:	-	Pop Cat 4 Cd:	4
Fac Deactvtn Dt:	-	Pop Cat 5:	>100,000
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	5
Last Rptd Date:	01-APR-16	ORG Name:	KWAN, SHAN
Primacy Agency:	California	Admin Name:	KWAN, SHAN
Is Source Ind:	No	Phone No:	626-744-4416
Facility Type Cd:	TP	Phone Ext No:	-
Facility Type Desc:	Treatment Plant	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	626-744-4670
Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NE T
Availability Code:	-	Avlblty Desc:	-
Water Type Code:	-	Wtr Tp Desc:	-
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	L	Owner Type:	Local government
PWS Type Code:	CWS	PWS Type:	Community water system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	SWP	Primary Srce:	Surface water purchased
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	165,740
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	36314
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Sllr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	039
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes

Wells and Additional Sources Detail Report

Submission Yr Qtr: 2016Q1

--Details--

Treatment ID: 7411
 Treatment Process Code: 401
 Treatment Process: Gaseous Chlorination, Post
 Treatment Objective Code: D
 Treatment Objective: Disinfection
 Treatment Plant City: -
 Treatment Plant State: -
 Treatment Plant Addr 1: -
 Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: GASEOUS CHLORINATION, POST

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910415	Pop Cat 11:	<=100
Facility ID:	1	Pop Cat 11 Cd:	1
Facility Name:	SPRING	Pop Cat 2:	<10,000
EPA Region Code:	09	Pop Cat 2 Cd:	1
EPA Region:	Region 9	Pop Cat 3:	<=3300
Season Begin Date:	01-01	Pop Cat 3 Cd:	1
Season End Date:	12-31	Pop Cat 4:	<10K
Deactivation Date:	01-NOV-93	Pop Cat 4 Cd:	1
Fac Deactvtn Dt:	01-NOV-93	Pop Cat 5:	<=500
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	1
Last Rptd Date:	24-JUL-95	ORG Name:	-
Primacy Agency:	California	Admin Name:	USFS ANGELES NF
Is Source Ind:	Yes	Phone No:	-
Facility Type Cd:	WL	Phone Ext No:	-
Facility Type Desc:	Well	Alt Phone No:	-
Activity Status Cd:	I	Fax No:	-
Activity Status:	Inactive	Email Addr:	-
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	I	Fac Activity:	Inactive
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	GW	GW or SS:	Groundwater
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	F	Owner Type:	Federal government
PWS Type Code:	TNCWS	PWS Type:	Transient non-community system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	GW	Primary Srce:	Ground water

Wells and Additional Sources Detail Report

Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	25
Is Grant Eligible:	No	Srv Cnctn Cnt:	0
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Sllr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	Y	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	No	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qtr:	2016Q1		

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-
Treatment Objective Code:	-
Treatment Objective:	-
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910124	Pop Cat 11:	100,001-250,000
Facility ID:	CA1910124049	Pop Cat 11 Cd:	8
Facility Name:	SUNSET & COPELIN WELL CHLORINATION XCLD	Pop Cat 2:	10,000+
EPA Region Code:	09	Pop Cat 2 Cd:	2
EPA Region:	Region 9	Pop Cat 3:	3,301-50,000
Season Begin Date:	-	Pop Cat 3 Cd:	3
Season End Date:	-	Pop Cat 4:	100K+
Deactivation Date:	-	Pop Cat 4 Cd:	4
Fac Deactvtn Dt:	-	Pop Cat 5:	>100,000
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	5
Last Rptd Date:	18-DEC-13	ORG Name:	KWAN, SHAN
Primacy Agency:	California	Admin Name:	KWAN, SHAN
Is Source Ind:	No	Phone No:	626-744-4416
Facility Type Cd:	TP	Phone Ext No:	-
Facility Type Desc:	Treatment Plant	Alt Phone No:	-

Wells and Additional Sources Detail Report

Activity Status Cd: A	Fax No: 626-744-4670
Activity Status: Active	Email Addr: SKWAN@CITYOFPASADENA.NET
Availability Code: -	Avlblty Desc: -
Water Type Code: -	Wtr Tp Desc: -
DBPR Schd Ctg Cd: -	DBPR Schd Ctg: -
Facility Activity Cd: A	Fac Activity: Active
Filtrtn Status Cd: -	Filt Stat Desc: -
GW or SW Code: SW	GW or SS: Surface water
LT2 Sch Ctgry Cd: -	LT2 Sched Ctg: -
Owner Type Code: L	Owner Type: Local government
PWS Type Code: CWS	PWS Type: Community water system
Primcy Agency Cd: CA	Primacy Type: State
Primary Source Cd: SW	Primary Srce: Surface water
Seller Treatmnt Cd: -	Seller Trt Dsc: -
Submsn Status Cd: Y	Sub Stat Dsc: Unreported
Subms Sts Cd Vio: U	Pop Srvd Cnt: 161,259
Is Grant Eligible: Yes	Srv Cnctn Cnt: 37355
Outstndng Perfrm: -	Seller PWSID: -
Outstndng Perf Dt: -	Sllr PWS Nm: -
Schl or Dycare: No	CDS ID: -
Source Treated Ind: -	Country Code: US
Src Wtr Protected: -	Cntry Nm BTP: -
Src Wtr Prot Dt: -	State Code: CA
NPM Candidate: Yes	State Fac ID: -
Is Wholesaler: No	Sub Quarter: 4
Submission Year: 2013	Validity Ind: No
Submission Yr Qtr: 2013Q4	

--Details--

Treatment ID: -

Treatment Process Code: -

Treatment Process: -

Treatment Objective Code: -

Treatment Objective: -

Treatment Plant City: -

Treatment Plant State: -

Treatment Plant Addr 1: -

Treatment Plant Addr 2: -

Treatment Plant Zip Code: -

Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID: CA1910124	Pop Cat 11: 100,001-250,000
Facility ID: 30	Pop Cat 11 Cd: 8

Wells and Additional Sources Detail Report

Facility Name:	SUNSET RESERVOIR-TANK #1- NO3 & VOC BLEND	Pop Cat 2:	10,000+
EPA Region Code:	09	Pop Cat 2 Cd:	2
EPA Region:	Region 9	Pop Cat 3:	3,301-50,000
Season Begin Date:	-	Pop Cat 3 Cd:	3
Season End Date:	-	Pop Cat 4:	100K+
Deactivation Date:	-	Pop Cat 4 Cd:	4
Fac Deactvtn Dt:	-	Pop Cat 5:	>100,000
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	5
Last Rptd Date:	18-DEC-13	ORG Name:	KWAN, SHAN
Primacy Agency:	California	Admin Name:	KWAN, SHAN
Is Source Ind:	No	Phone No:	626-744-4416
Facility Type Cd:	ST	Phone Ext No:	-
Facility Type Desc:	Storage	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	626-744-4670
Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NE T
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	-	Wtr Tp Desc:	-
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	L	Owner Type:	Local government
PWS Type Code:	CWS	PWS Type:	Community water system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	SW	Primary Srce:	Surface water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Unreported
Subms Sts Cd Vio:	U	Pop Srvd Cnt:	161,259
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	37355
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Slr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	4
Submission Year:	2013	Validity Ind:	No
Submission Yr Qtr:	2013Q4		

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-
Treatment Objective Code:	-

Wells and Additional Sources Detail Report

Treatment Objective: -
 Treatment Plant City: -
 Treatment Plant State: -
 Treatment Plant Addr 1: -
 Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910433	Pop Cat 11:	<=100
Facility ID:	1T	Pop Cat 11 Cd:	1
Facility Name:	WELL	Pop Cat 2:	<10,000
EPA Region Code:	09	Pop Cat 2 Cd:	1
EPA Region:	Region 9	Pop Cat 3:	<=3300
Season Begin Date:	01-01	Pop Cat 3 Cd:	1
Season End Date:	12-31	Pop Cat 4:	<10K
Deactivation Date:	01-NOV-93	Pop Cat 4 Cd:	1
Fac Deactvtn Dt:	01-NOV-93	Pop Cat 5:	<=500
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	1
Last Rptd Date:	24-JUL-95	ORG Name:	-
Primacy Agency:	California	Admin Name:	USFS ANGELES NF
Is Source Ind:	No	Phone No:	-
Facility Type Cd:	TP	Phone Ext No:	-
Facility Type Desc:	Treatment Plant	Alt Phone No:	-
Activity Status Cd:	I	Fax No:	-
Activity Status:	Inactive	Email Addr:	-
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	I	Fac Activity:	Inactive
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	GW	GW or SS:	Groundwater
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	F	Owner Type:	Federal government
PWS Type Code:	TNCWS	PWS Type:	Transient non-community system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	GW	Primary Srce:	Ground water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	25
Is Grant Eligible:	No	Srv Cnctn Cnt:	0
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Slr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-

Wells and Additional Sources Detail Report

Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	No	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qtr:	2016Q1		

--Details--

Treatment ID:	5
Treatment Process Code:	473
Treatment Process:	Converted (FRDS-1.5)
Treatment Objective Code:	C
Treatment Objective:	Corrosion control
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Treatment ID:	4
Treatment Process Code:	348
Treatment Process:	Filtered
Treatment Objective Code:	P
Treatment Objective:	Particulate removal
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Treatment ID:	11
Treatment Process Code:	461
Treatment Process:	Chlorination (FRDS-1.5)
Treatment Objective Code:	D
Treatment Objective:	Disinfection
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
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Wells and Additional Sources Detail Report

2	NE	0.48	2,539.22	830.34	SDWIS
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PWS ID:	CA1910446	Pop Cat 11:	<=100
Facility ID:	1	Pop Cat 11 Cd:	1
Facility Name:	WELL	Pop Cat 2:	<10,000
EPA Region Code:	09	Pop Cat 2 Cd:	1
EPA Region:	Region 9	Pop Cat 3:	<=3300
Season Begin Date:	01-01	Pop Cat 3 Cd:	1
Season End Date:	12-31	Pop Cat 4:	<10K
Deactivation Date:	01-NOV-93	Pop Cat 4 Cd:	1
Fac Deactivtn Dt:	01-NOV-93	Pop Cat 5:	<=500
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	1
Last Rptd Date:	24-JUL-95	ORG Name:	-
Primacy Agency:	California	Admin Name:	USFS ANGELES NF
Is Source Ind:	Yes	Phone No:	-
Facility Type Cd:	WL	Phone Ext No:	-
Facility Type Desc:	Well	Alt Phone No:	-
Activity Status Cd:	I	Fax No:	-
Activity Status:	Inactive	Email Addr:	-
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	I	Fac Activity:	Inactive
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	GW	GW or SS:	Groundwater
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	F	Owner Type:	Federal government
PWS Type Code:	TNCWS	PWS Type:	Transient non-community system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	GW	Primary Srce:	Ground water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	25
Is Grant Eligible:	No	Srv Cnctn Cnt:	0
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Slr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	Y	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	No	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qtr:	2016Q1		

--Details--

Wells and Additional Sources Detail Report

Treatment ID: -
 Treatment Process Code: -
 Treatment Process: -
 Treatment Objective Code: -
 Treatment Objective: -
 Treatment Plant City: -
 Treatment Plant State: -
 Treatment Plant Addr 1: -
 Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910422	Pop Cat 11:	<=100
Facility ID:	1T	Pop Cat 11 Cd:	1
Facility Name:	SPRING	Pop Cat 2:	<10,000
EPA Region Code:	09	Pop Cat 2 Cd:	1
EPA Region:	Region 9	Pop Cat 3:	<=3300
Season Begin Date:	01-01	Pop Cat 3 Cd:	1
Season End Date:	12-31	Pop Cat 4:	<10K
Deactivation Date:	01-NOV-93	Pop Cat 4 Cd:	1
Fac Deactvtn Dt:	01-NOV-93	Pop Cat 5:	<=500
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	1
Last Rptd Date:	24-JUL-95	ORG Name:	-
Primacy Agency:	California	Admin Name:	USFS ANGELES NF
Is Source Ind:	No	Phone No:	-
Facility Type Cd:	TP	Phone Ext No:	-
Facility Type Desc:	Treatment Plant	Alt Phone No:	-
Activity Status Cd:	I	Fax No:	-
Activity Status:	Inactive	Email Addr:	-
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	I	Fac Activity:	Inactive
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	GW	GW or SS:	Groundwater
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	F	Owner Type:	Federal government
PWS Type Code:	TNCWS	PWS Type:	Transient non-community system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	GW	Primary Srce:	Ground water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	25

Wells and Additional Sources Detail Report

Is Grant Eligible:	No	Srv Cnctn Cnt:	0
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Slr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	No	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qtr:	2016Q1		

--Details--

Treatment ID:	4
Treatment Process Code:	348
Treatment Process:	Filtered
Treatment Objective Code:	P
Treatment Objective:	Particulate removal
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-
Treatment ID:	5
Treatment Process Code:	473
Treatment Process:	Converted (FRDS-1.5)
Treatment Objective Code:	C
Treatment Objective:	Corrosion control
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-
Treatment ID:	11
Treatment Process Code:	461
Treatment Process:	Chlorination (FRDS-1.5)
Treatment Objective Code:	D
Treatment Objective:	Disinfection
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-

Wells and Additional Sources Detail Report

Treatment Plant Zip Code: -

Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910407	Pop Cat 11:	<=100
Facility ID:	1	Pop Cat 11 Cd:	1
Facility Name:	STREAM	Pop Cat 2:	<10,000
EPA Region Code:	09	Pop Cat 2 Cd:	1
EPA Region:	Region 9	Pop Cat 3:	<=3300
Season Begin Date:	01-01	Pop Cat 3 Cd:	1
Season End Date:	12-31	Pop Cat 4:	<10K
Deactivation Date:	01-NOV-93	Pop Cat 4 Cd:	1
Fac Deactvtn Dt:	01-NOV-93	Pop Cat 5:	<=500
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	1
Last Rptd Date:	24-JUL-95	ORG Name:	-
Primacy Agency:	California	Admin Name:	USFS ANGELES NF
Is Source Ind:	Yes	Phone No:	-
Facility Type Cd:	IN	Phone Ext No:	-
Facility Type Desc:	Intake	Alt Phone No:	-
Activity Status Cd:	I	Fax No:	-
Activity Status:	Inactive	Email Addr:	-
Availability Code:	P	Avlbly Desc:	Permanent
Water Type Code:	SW	Wtr Tp Desc:	Surface water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	I	Fac Activity:	Inactive
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	F	Owner Type:	Federal government
PWS Type Code:	TNCWS	PWS Type:	Transient non-community system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	SW	Primary Srce:	Surface water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	25
Is Grant Eligible:	No	Srv Cnctn Cnt:	0
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Sllr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	Y	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	No	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	1

Wells and Additional Sources Detail Report

Submission Year: 2016 Validity Ind: Yes
 Submission Yr Qtr: 2016Q1

--Details--

Treatment ID: -
 Treatment Process Code: -
 Treatment Process: -
 Treatment Objective Code: -
 Treatment Objective: -
 Treatment Plant City: -
 Treatment Plant State: -
 Treatment Plant Addr 1: -
 Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910124	Pop Cat 11:	100,001-250,000
Facility ID:	9	Pop Cat 11 Cd:	8
Facility Name:	EATON WELL - STANDBY	Pop Cat 2:	10,000+
EPA Region Code:	09	Pop Cat 2 Cd:	2
EPA Region:	Region 9	Pop Cat 3:	3,301-50,000
Season Begin Date:	-	Pop Cat 3 Cd:	3
Season End Date:	-	Pop Cat 4:	100K+
Deactivation Date:	-	Pop Cat 4 Cd:	4
Fac Deactivtn Dt:	-	Pop Cat 5:	>100,000
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	5
Last Rptd Date:	18-DEC-13	ORG Name:	KWAN, SHAN
Primacy Agency:	California	Admin Name:	KWAN, SHAN
Is Source Ind:	Yes	Phone No:	626-744-4416
Facility Type Cd:	WL	Phone Ext No:	-
Facility Type Desc:	Well	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	626-744-4670
Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NET
Availability Code:	E	Avlblty Desc:	Emergency
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	L	Owner Type:	Local government
PWS Type Code:	CWS	PWS Type:	Community water system
Primcy Agency Cd:	CA	Primacy Type:	State

Wells and Additional Sources Detail Report

Primary Source Cd:	SW	Primary Srce:	Surface water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Unreported
Subms Sts Cd Vio:	U	Pop Srvd Cnt:	161,259
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	37355
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Sllr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	U	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	4
Submission Year:	2013	Validity Ind:	No
Submission Yr Qtr:	2013Q4		

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-
Treatment Objective Code:	-
Treatment Objective:	-
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910124	Pop Cat 11:	100,001-250,000
Facility ID:	7	Pop Cat 11 Cd:	8
Facility Name:	CRAIG	Pop Cat 2:	10,000+
EPA Region Code:	09	Pop Cat 2 Cd:	2
EPA Region:	Region 9	Pop Cat 3:	3,301-50,000
Season Begin Date:	-	Pop Cat 3 Cd:	3
Season End Date:	-	Pop Cat 4:	100K+
Deactivation Date:	-	Pop Cat 4 Cd:	4
Fac Deactvtn Dt:	-	Pop Cat 5:	>100,000
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	5
Last Rptd Date:	18-DEC-13	ORG Name:	KWAN, SHAN
Primacy Agency:	California	Admin Name:	KWAN, SHAN
Is Source Ind:	Yes	Phone No:	626-744-4416
Facility Type Cd:	WL	Phone Ext No:	-

Wells and Additional Sources Detail Report

Facility Type Desc:	Well	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	626-744-4670
Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NET
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	L	Owner Type:	Local government
PWS Type Code:	CWS	PWS Type:	Community water system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	SW	Primary Srce:	Surface water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Unreported
Subms Sts Cd Vio:	U	Pop Srvd Cnt:	161,259
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	37355
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Sllr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	U	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	4
Submission Year:	2013	Validity Ind:	No
Submission Yr Qtr:	2013Q4		

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-
Treatment Objective Code:	-
Treatment Objective:	-
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910124	Pop Cat 11:	100,001-250,000
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Wells and Additional Sources Detail Report

Facility ID:	54486	Pop Cat 11 Cd:	8
Facility Name:	MHTS- IX COMBINED EFFLUENT	Pop Cat 2:	10,000+
EPA Region Code:	09	Pop Cat 2 Cd:	2
EPA Region:	Region 9	Pop Cat 3:	3,301-50,000
Season Begin Date:	-	Pop Cat 3 Cd:	3
Season End Date:	-	Pop Cat 4:	100K+
Deactivation Date:	-	Pop Cat 4 Cd:	4
Fac Deactvtn Dt:	-	Pop Cat 5:	>100,000
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	5
Last Rptd Date:	01-APR-16	ORG Name:	KWAN, SHAN
Primacy Agency:	California	Admin Name:	KWAN, SHAN
Is Source Ind:	No	Phone No:	626-744-4416
Facility Type Cd:	TP	Phone Ext No:	-
Facility Type Desc:	Treatment Plant	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	626-744-4670
Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NE T
Availability Code:	-	Avlblty Desc:	-
Water Type Code:	-	Wtr Tp Desc:	-
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	L	Owner Type:	Local government
PWS Type Code:	CWS	PWS Type:	Community water system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	SWP	Primary Srce:	Surface water purchased
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	165,740
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	36314
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Slr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	051
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	No
Submission Yr Qtr:	2016Q1		

--Details--

Treatment ID:	12074
Treatment Process Code:	460
Treatment Process:	Ion Exchange
Treatment Objective	I

Wells and Additional Sources Detail Report

Code:

Treatment Objective: Inorganics removal
 Treatment Plant City: -
 Treatment Plant State: -
 Treatment Plant Addr 1: -
 Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: ION EXCHANGE

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910427	Pop Cat 11:	<=100
Facility ID:	1	Pop Cat 11 Cd:	1
Facility Name:	WELL	Pop Cat 2:	<10,000
EPA Region Code:	09	Pop Cat 2 Cd:	1
EPA Region:	Region 9	Pop Cat 3:	<=3300
Season Begin Date:	01-01	Pop Cat 3 Cd:	1
Season End Date:	12-31	Pop Cat 4:	<10K
Deactivation Date:	01-NOV-93	Pop Cat 4 Cd:	1
Fac Deactivtn Dt:	01-NOV-93	Pop Cat 5:	<=500
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	1
Last Rptd Date:	24-JUL-95	ORG Name:	-
Primacy Agency:	California	Admin Name:	USFS ANGELES NF
Is Source Ind:	Yes	Phone No:	-
Facility Type Cd:	WL	Phone Ext No:	-
Facility Type Desc:	Well	Alt Phone No:	-
Activity Status Cd:	I	Fax No:	-
Activity Status:	Inactive	Email Addr:	-
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	I	Fac Activity:	Inactive
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	GW	GW or SS:	Groundwater
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	F	Owner Type:	Federal government
PWS Type Code:	TNCWS	PWS Type:	Transient non-community system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	GW	Primary Srce:	Ground water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	25
Is Grant Eligible:	No	Srv Cnctn Cnt:	0
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Sllr PWS Nm:	-

Wells and Additional Sources Detail Report

Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	Y	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	No	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qtr:	2016Q1		

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-
Treatment Objective Code:	-
Treatment Objective:	-
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910418	Pop Cat 11:	<=100
Facility ID:	1T	Pop Cat 11 Cd:	1
Facility Name:	SPRING	Pop Cat 2:	<10,000
EPA Region Code:	09	Pop Cat 2 Cd:	1
EPA Region:	Region 9	Pop Cat 3:	<=3300
Season Begin Date:	01-01	Pop Cat 3 Cd:	1
Season End Date:	12-31	Pop Cat 4:	<10K
Deactivation Date:	01-NOV-93	Pop Cat 4 Cd:	1
Fac Deactvtn Dt:	01-NOV-93	Pop Cat 5:	<=500
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	1
Last Rptd Date:	24-JUL-95	ORG Name:	-
Primacy Agency:	California	Admin Name:	USFS ANGELES NF
Is Source Ind:	No	Phone No:	-
Facility Type Cd:	TP	Phone Ext No:	-
Facility Type Desc:	Treatment Plant	Alt Phone No:	-
Activity Status Cd:	I	Fax No:	-
Activity Status:	Inactive	Email Addr:	-
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	I	Fac Activity:	Inactive

Wells and Additional Sources Detail Report

Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	GW	GW or SS:	Groundwater
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	F	Owner Type:	Federal government
PWS Type Code:	TNCWS	PWS Type:	Transient non-community system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	GW	Primary Srce:	Ground water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	25
Is Grant Eligible:	No	Srv Cnctn Cnt:	0
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	SIlr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	No	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qtr:	2016Q1		

--Details--

Treatment ID:	11
Treatment Process Code:	461
Treatment Process:	Chlorination (FRDS-1.5)
Treatment Objective Code:	D
Treatment Objective:	Disinfection
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Treatment ID:	4
Treatment Process Code:	348
Treatment Process:	Filtered
Treatment Objective Code:	P
Treatment Objective:	Particulate removal
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Wells and Additional Sources Detail Report

Treatment ID: 5
 Treatment Process Code: 473
 Treatment Process: Converted (FRDS-1.5)
 Treatment Objective Code: C
 Treatment Objective: Corrosion control
 Treatment Plant City: -
 Treatment Plant State: -
 Treatment Plant Addr 1: -
 Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910124	Pop Cat 11:	100,001-250,000
Facility ID:	CA1910124030	Pop Cat 11 Cd:	8
Facility Name:	SUNSET RESERVOIR-TANK #1-NO3 & VOC BLEND	Pop Cat 2:	10,000+
EPA Region Code:	09	Pop Cat 2 Cd:	2
EPA Region:	Region 9	Pop Cat 3:	3,301-50,000
Season Begin Date:	-	Pop Cat 3 Cd:	3
Season End Date:	-	Pop Cat 4:	100K+
Deactivation Date:	-	Pop Cat 4 Cd:	4
Fac Deactivtn Dt:	-	Pop Cat 5:	>100,000
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	5
Last Rptd Date:	18-DEC-13	ORG Name:	KWAN, SHAN
Primacy Agency:	California	Admin Name:	KWAN, SHAN
Is Source Ind:	No	Phone No:	626-744-4416
Facility Type Cd:	TP	Phone Ext No:	-
Facility Type Desc:	Treatment Plant	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	626-744-4670
Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NET
Availability Code:	-	Avlblty Desc:	-
Water Type Code:	-	Wtr Tp Desc:	-
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	L	Owner Type:	Local government
PWS Type Code:	CWS	PWS Type:	Community water system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	SW	Primary Srce:	Surface water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-

Wells and Additional Sources Detail Report

Submsn Status Cd:	Y	Sub Stat Dsc:	Unreported
Subms Sts Cd Vio:	U	Pop Srvd Cnt:	161,259
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	37355
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Sllr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	4
Submission Year:	2013	Validity Ind:	No
Submission Yr Qtr:	2013Q4		

--Details--

Treatment ID:	02
Treatment Process Code:	403
Treatment Process:	Gaseous Chlorination, Pre
Treatment Objective Code:	D
Treatment Objective:	Disinfection
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Treatment ID:	01
Treatment Process Code:	600
Treatment Process:	Rapid Mix
Treatment Objective Code:	I
Treatment Objective:	Inorganics removal
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910124	Pop Cat 11:	100,001-250,000
Facility ID:	25	Pop Cat 11 Cd:	8
Facility Name:	WINDSOR RESERVOIR - NO3 & VOC BLENDING	Pop Cat 2:	10,000+

Wells and Additional Sources Detail Report

EPA Region Code:	09	Pop Cat 2 Cd:	2
EPA Region:	Region 9	Pop Cat 3:	3,301-50,000
Season Begin Date:	-	Pop Cat 3 Cd:	3
Season End Date:	-	Pop Cat 4:	100K+
Deactivation Date:	-	Pop Cat 4 Cd:	4
Fac Deactivtn Dt:	-	Pop Cat 5:	>100,000
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	5
Last Rptd Date:	18-DEC-13	ORG Name:	KWAN, SHAN
Primacy Agency:	California	Admin Name:	KWAN, SHAN
Is Source Ind:	No	Phone No:	626-744-4416
Facility Type Cd:	ST	Phone Ext No:	-
Facility Type Desc:	Storage	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	626-744-4670
Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NE T
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	-	Wtr Tp Desc:	-
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgy Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	L	Owner Type:	Local government
PWS Type Code:	CWS	PWS Type:	Community water system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	SW	Primary Srce:	Surface water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Unreported
Subms Sts Cd Vio:	U	Pop Srvd Cnt:	161,259
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	37355
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Sllr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	4
Submission Year:	2013	Validity Ind:	No
Submission Yr Qtr:	2013Q4		

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-
Treatment Objective Code:	-
Treatment Objective:	-

Wells and Additional Sources Detail Report

Treatment Plant City: -
 Treatment Plant State: -
 Treatment Plant Addr 1: -
 Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910441	Pop Cat 11:	<=100
Facility ID:	1T	Pop Cat 11 Cd:	1
Facility Name:	SPRING	Pop Cat 2:	<10,000
EPA Region Code:	09	Pop Cat 2 Cd:	1
EPA Region:	Region 9	Pop Cat 3:	<=3300
Season Begin Date:	01-01	Pop Cat 3 Cd:	1
Season End Date:	12-31	Pop Cat 4:	<10K
Deactivation Date:	01-NOV-93	Pop Cat 4 Cd:	1
Fac Deactvtn Dt:	01-NOV-93	Pop Cat 5:	<=500
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	1
Last Rptd Date:	24-JUL-95	ORG Name:	-
Primacy Agency:	California	Admin Name:	USFS ANGELES NF
Is Source Ind:	No	Phone No:	-
Facility Type Cd:	TP	Phone Ext No:	-
Facility Type Desc:	Treatment Plant	Alt Phone No:	-
Activity Status Cd:	I	Fax No:	-
Activity Status:	Inactive	Email Addr:	-
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	I	Fac Activity:	Inactive
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	GW	GW or SS:	Groundwater
LT2 Sch Ctgy Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	F	Owner Type:	Federal government
PWS Type Code:	TNCWS	PWS Type:	Transient non-community system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	GW	Primary Srce:	Ground water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	25
Is Grant Eligible:	No	Srv Cnctn Cnt:	0
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Sllr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US

Wells and Additional Sources Detail Report

Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	No	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qtr:	2016Q1		

--Details--

Treatment ID:	5
Treatment Process Code:	473
Treatment Process:	Converted (FRDS-1.5)
Treatment Objective Code:	C
Treatment Objective:	Corrosion control
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Treatment ID:	4
Treatment Process Code:	348
Treatment Process:	Filtered
Treatment Objective Code:	P
Treatment Objective:	Particulate removal
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Treatment ID:	11
Treatment Process Code:	461
Treatment Process:	Chlorination (FRDS-1.5)
Treatment Objective Code:	D
Treatment Objective:	Disinfection
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

Wells and Additional Sources Detail Report

PWS ID:	CA1910450	Pop Cat 11:	<=100
Facility ID:	1T	Pop Cat 11 Cd:	1
Facility Name:	SPRING	Pop Cat 2:	<10,000
EPA Region Code:	09	Pop Cat 2 Cd:	1
EPA Region:	Region 9	Pop Cat 3:	<=3300
Season Begin Date:	01-01	Pop Cat 3 Cd:	1
Season End Date:	12-31	Pop Cat 4:	<10K
Deactivation Date:	01-NOV-93	Pop Cat 4 Cd:	1
Fac Deactvtn Dt:	01-NOV-93	Pop Cat 5:	<=500
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	1
Last Rptd Date:	24-JUL-95	ORG Name:	-
Primacy Agency:	California	Admin Name:	USFS ANGELES NF
Is Source Ind:	No	Phone No:	-
Facility Type Cd:	TP	Phone Ext No:	-
Facility Type Desc:	Treatment Plant	Alt Phone No:	-
Activity Status Cd:	I	Fax No:	-
Activity Status:	Inactive	Email Addr:	-
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	I	Fac Activity:	Inactive
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	GW	GW or SS:	Groundwater
LT2 Sch Ctgy Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	F	Owner Type:	Federal government
PWS Type Code:	TNCWS	PWS Type:	Transient non-community system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	GW	Primary Srce:	Ground water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	25
Is Grant Eligible:	No	Srv Cnctn Cnt:	0
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Sllr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	No	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qtr:	2016Q1		

--Details--

Treatment ID: 5
 Treatment Process Code: 473

Wells and Additional Sources Detail Report

Treatment Process: Converted (FRDS-1.5)
 Treatment Objective Code: C
 Treatment Objective: Corrosion control
 Treatment Plant City: -
 Treatment Plant State: -
 Treatment Plant Addr 1: -
 Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: -

Treatment ID: 4
 Treatment Process Code: 348
 Treatment Process: Filtered
 Treatment Objective Code: P
 Treatment Objective: Particulate removal
 Treatment Plant City: -
 Treatment Plant State: -
 Treatment Plant Addr 1: -
 Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: -

Treatment ID: 11
 Treatment Process Code: 461
 Treatment Process: Chlorination (FRDS-1.5)
 Treatment Objective Code: D
 Treatment Objective: Disinfection
 Treatment Plant City: -
 Treatment Plant State: -
 Treatment Plant Addr 1: -
 Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910437	Pop Cat 11:	<=100
Facility ID:	1T	Pop Cat 11 Cd:	1
Facility Name:	SPRING	Pop Cat 2:	<10,000
EPA Region Code:	09	Pop Cat 2 Cd:	1
EPA Region:	Region 9	Pop Cat 3:	<=3300
Season Begin Date:	01-01	Pop Cat 3 Cd:	1
Season End Date:	12-31	Pop Cat 4:	<10K
Deactivation Date:	01-NOV-93	Pop Cat 4 Cd:	1

Wells and Additional Sources Detail Report

Fac Deactivtn Dt:	01-NOV-93	Pop Cat 5:	<=500
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	1
Last Rptd Date:	24-JUL-95	ORG Name:	-
Primacy Agency:	California	Admin Name:	USFS ANGELES NF
Is Source Ind:	No	Phone No:	-
Facility Type Cd:	TP	Phone Ext No:	-
Facility Type Desc:	Treatment Plant	Alt Phone No:	-
Activity Status Cd:	I	Fax No:	-
Activity Status:	Inactive	Email Addr:	-
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	I	Fac Activity:	Inactive
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	GW	GW or SS:	Groundwater
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	F	Owner Type:	Federal government
PWS Type Code:	TNCWS	PWS Type:	Transient non-community system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	GW	Primary Srce:	Ground water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	25
Is Grant Eligible:	No	Srv Cnctn Cnt:	0
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Sllr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	No	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qtr:	2016Q1		

--Details--

Treatment ID:	11
Treatment Process Code:	461
Treatment Process:	Chlorination (FRDS-1.5)
Treatment Objective Code:	D
Treatment Objective:	Disinfection
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Wells and Additional Sources Detail Report

Treatment ID: 5
 Treatment Process Code: 473
 Treatment Process: Converted (FRDS-1.5)
 Treatment Objective Code: C
 Treatment Objective: Corrosion control
 Treatment Plant City: -
 Treatment Plant State: -
 Treatment Plant Addr 1: -
 Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: -

Treatment ID: 4
 Treatment Process Code: 348
 Treatment Process: Filtered
 Treatment Objective Code: P
 Treatment Objective: Particulate removal
 Treatment Plant City: -
 Treatment Plant State: -
 Treatment Plant Addr 1: -
 Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910124	Pop Cat 11:	100,001-250,000
Facility ID:	39	Pop Cat 11 Cd:	8
Facility Name:	CRAIG - CHLORINATION	Pop Cat 2:	10,000+
EPA Region Code:	09	Pop Cat 2 Cd:	2
EPA Region:	Region 9	Pop Cat 3:	3,301-50,000
Season Begin Date:	-	Pop Cat 3 Cd:	3
Season End Date:	-	Pop Cat 4:	100K+
Deactivation Date:	-	Pop Cat 4 Cd:	4
Fac Deactvtn Dt:	-	Pop Cat 5:	>100,000
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	5
Last Rptd Date:	18-DEC-13	ORG Name:	KWAN, SHAN
Primacy Agency:	California	Admin Name:	KWAN, SHAN
Is Source Ind:	No	Phone No:	626-744-4416
Facility Type Cd:	TP	Phone Ext No:	-
Facility Type Desc:	Treatment Plant	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	626-744-4670
Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NET

Wells and Additional Sources Detail Report

Availability Code: P	Avlblty Desc: Permanent
Water Type Code: -	Wtr Tp Desc: -
DBPR Schd Ctg Cd: -	DBPR Schd Ctg: -
Facility Activity Cd: A	Fac Activity: Active
Filtrtn Status Cd: -	Filt Stat Desc: -
GW or SW Code: SW	GW or SS: Surface water
LT2 Sch Ctgry Cd: -	LT2 Sched Ctg: -
Owner Type Code: L	Owner Type: Local government
PWS Type Code: CWS	PWS Type: Community water system
Primcy Agency Cd: CA	Primacy Type: State
Primary Source Cd: SW	Primary Srce: Surface water
Seller Treatmnt Cd: -	Seller Trt Dsc: -
Submsn Status Cd: Y	Sub Stat Dsc: Unreported
Subms Sts Cd Vio: U	Pop Srvd Cnt: 161,259
Is Grant Eligible: Yes	Srv Cnctn Cnt: 37355
Outstndng Perfrm: -	Seller PWSID: -
Outstndng Perf Dt: -	Slr PWS Nm: -
Schl or Dycare: No	CDS ID: -
Source Treated Ind: -	Country Code: US
Src Wtr Protected: -	Cntry Nm BTP: -
Src Wtr Prot Dt: -	State Code: CA
NPM Candidate: Yes	State Fac ID: -
Is Wholesaler: No	Sub Quarter: 4
Submission Year: 2013	Validity Ind: No
Submission Yr Qtr: 2013Q4	

--Details--

Treatment ID: 1	
Treatment Process Code: 401	
Treatment Process: Gaseous Chlorination, Post	
Treatment Objective Code: D	
Treatment Objective: Disinfection	
Treatment Plant City: -	
Treatment Plant State: -	
Treatment Plant Addr 1: -	
Treatment Plant Addr 2: -	
Treatment Plant Zip Code: -	
Treatment Comments: -	

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID: CA1910124	Pop Cat 11: 100,001-250,000
Facility ID: 58036	Pop Cat 11 Cd: 8
Facility Name: JONES RES. NO3 & CLO4 BLEND COMPLIANCE	Pop Cat 2: 10,000+
EPA Region Code: 09	Pop Cat 2 Cd: 2

Wells and Additional Sources Detail Report

EPA Region:	Region 9	Pop Cat 3:	3,301-50,000
Season Begin Date:	-	Pop Cat 3 Cd:	3
Season End Date:	-	Pop Cat 4:	100K+
Deactivation Date:	-	Pop Cat 4 Cd:	4
Fac Deactivtn Dt:	-	Pop Cat 5:	>100,000
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	5
Last Rptd Date:	01-APR-16	ORG Name:	KWAN, SHAN
Primacy Agency:	California	Admin Name:	KWAN, SHAN
Is Source Ind:	No	Phone No:	626-744-4416
Facility Type Cd:	TP	Phone Ext No:	-
Facility Type Desc:	Treatment Plant	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	626-744-4670
Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NE T
Availability Code:	-	Avlblty Desc:	-
Water Type Code:	-	Wtr Tp Desc:	-
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	L	Owner Type:	Local government
PWS Type Code:	CWS	PWS Type:	Community water system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	SWP	Primary Srce:	Surface water purchased
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	165,740
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	36314
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Slr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	053
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	No
Submission Yr Qtr:	2016Q1		

--Details--

Treatment ID:	13740
Treatment Process Code:	600
Treatment Process:	Rapid Mix
Treatment Objective Code:	I
Treatment Objective:	Inorganics removal
Treatment Plant City:	-

Wells and Additional Sources Detail Report

Treatment Plant State: -
 Treatment Plant Addr 1: -
 Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: RAPID MIX

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910124	Pop Cat 11:	100,001-250,000
Facility ID:	34	Pop Cat 11 Cd:	8
Facility Name:	MWD CONNECTION, P-2 - TREATED	Pop Cat 2:	10,000+
EPA Region Code:	09	Pop Cat 2 Cd:	2
EPA Region:	Region 9	Pop Cat 3:	3,301-50,000
Season Begin Date:	-	Pop Cat 3 Cd:	3
Season End Date:	-	Pop Cat 4:	100K+
Deactivation Date:	-	Pop Cat 4 Cd:	4
Fac Deactivtn Dt:	-	Pop Cat 5:	>100,000
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	5
Last Rptd Date:	18-DEC-13	ORG Name:	KWAN, SHAN
Primacy Agency:	California	Admin Name:	KWAN, SHAN
Is Source Ind:	Yes	Phone No:	626-744-4416
Facility Type Cd:	CC	Phone Ext No:	-
Facility Type Desc:	Consecutive Connection	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	626-744-4670
Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NET
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	SW	Wtr Tp Desc:	Surface water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	L	Owner Type:	Local government
PWS Type Code:	CWS	PWS Type:	Community water system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	SW	Primary Srce:	Surface water
Seller Treatmnt Cd:	U	Seller Trt Dsc:	Unknown
Submsn Status Cd:	Y	Sub Stat Dsc:	Unreported
Subms Sts Cd Vio:	U	Pop Srvd Cnt:	161,259
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	37355
Outstndng Perfrm:	-	Seller PWSID:	CA1910087
Outstndng Perf Dt:	-	Slr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	U	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-

Wells and Additional Sources Detail Report

Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	4
Submission Year:	2013	Validity Ind:	No
Submission Yr Qtr:	2013Q4		

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-
Treatment Objective Code:	-
Treatment Objective:	-
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910444	Pop Cat 11:	<=100
Facility ID:	1T	Pop Cat 11 Cd:	1
Facility Name:	SPRING	Pop Cat 2:	<10,000
EPA Region Code:	09	Pop Cat 2 Cd:	1
EPA Region:	Region 9	Pop Cat 3:	<=3300
Season Begin Date:	01-01	Pop Cat 3 Cd:	1
Season End Date:	12-31	Pop Cat 4:	<10K
Deactivation Date:	01-NOV-93	Pop Cat 4 Cd:	1
Fac Deactvtn Dt:	01-NOV-93	Pop Cat 5:	<=500
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	1
Last Rptd Date:	24-JUL-95	ORG Name:	-
Primacy Agency:	California	Admin Name:	USFS ANGELES NF
Is Source Ind:	No	Phone No:	-
Facility Type Cd:	TP	Phone Ext No:	-
Facility Type Desc:	Treatment Plant	Alt Phone No:	-
Activity Status Cd:	I	Fax No:	-
Activity Status:	Inactive	Email Addr:	-
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	I	Fac Activity:	Inactive
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	GW	GW or SS:	Groundwater
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-

Wells and Additional Sources Detail Report

Owner Type Code:	F	Owner Type:	Federal government
PWS Type Code:	TNCWS	PWS Type:	Transient non-community system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	GW	Primary Srce:	Ground water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	25
Is Grant Eligible:	No	Srv Cnctn Cnt:	0
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Slr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	No	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qtr:	2016Q1		

--Details--

Treatment ID:	4
Treatment Process Code:	348
Treatment Process:	Filtered
Treatment Objective Code:	P
Treatment Objective:	Particulate removal
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-
Treatment ID:	11
Treatment Process Code:	461
Treatment Process:	Chlorination (FRDS-1.5)
Treatment Objective Code:	D
Treatment Objective:	Disinfection
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-
Treatment ID:	5
Treatment Process Code:	473

Wells and Additional Sources Detail Report

Treatment Process: Converted (FRDS-1.5)
 Treatment Objective Code: C
 Treatment Objective: Corrosion control
 Treatment Plant City: -
 Treatment Plant State: -
 Treatment Plant Addr 1: -
 Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910415	Pop Cat 11:	<=100
Facility ID:	1T	Pop Cat 11 Cd:	1
Facility Name:	SPRING	Pop Cat 2:	<10,000
EPA Region Code:	09	Pop Cat 2 Cd:	1
EPA Region:	Region 9	Pop Cat 3:	<=3300
Season Begin Date:	01-01	Pop Cat 3 Cd:	1
Season End Date:	12-31	Pop Cat 4:	<10K
Deactivation Date:	01-NOV-93	Pop Cat 4 Cd:	1
Fac Deactvtn Dt:	01-NOV-93	Pop Cat 5:	<=500
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	1
Last Rptd Date:	24-JUL-95	ORG Name:	-
Primacy Agency:	California	Admin Name:	USFS ANGELES NF
Is Source Ind:	No	Phone No:	-
Facility Type Cd:	TP	Phone Ext No:	-
Facility Type Desc:	Treatment Plant	Alt Phone No:	-
Activity Status Cd:	I	Fax No:	-
Activity Status:	Inactive	Email Addr:	-
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	I	Fac Activity:	Inactive
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	GW	GW or SS:	Groundwater
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	F	Owner Type:	Federal government
PWS Type Code:	TNCWS	PWS Type:	Transient non-community system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	GW	Primary Srce:	Ground water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	25
Is Grant Eligible:	No	Srv Cnctn Cnt:	0
Outstndng Perfrm:	-	Seller PWSID:	-

Wells and Additional Sources Detail Report

Outstndng Perf Dt:	-	Sllr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	No	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qtr:	2016Q1		

--Details--

Treatment ID:	11
Treatment Process Code:	461
Treatment Process:	Chlorination (FRDS-1.5)
Treatment Objective Code:	D
Treatment Objective:	Disinfection
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Treatment ID:	5
Treatment Process Code:	473
Treatment Process:	Converted (FRDS-1.5)
Treatment Objective Code:	C
Treatment Objective:	Corrosion control
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Treatment ID:	4
Treatment Process Code:	348
Treatment Process:	Filtered
Treatment Objective Code:	P
Treatment Objective:	Particulate removal
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Wells and Additional Sources Detail Report

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910449	Pop Cat 11:	<=100
Facility ID:	1	Pop Cat 11 Cd:	1
Facility Name:	SPRING	Pop Cat 2:	<10,000
EPA Region Code:	09	Pop Cat 2 Cd:	1
EPA Region:	Region 9	Pop Cat 3:	<=3300
Season Begin Date:	01-01	Pop Cat 3 Cd:	1
Season End Date:	12-31	Pop Cat 4:	<10K
Deactivation Date:	01-NOV-93	Pop Cat 4 Cd:	1
Fac Deactivtn Dt:	01-NOV-93	Pop Cat 5:	<=500
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	1
Last Rptd Date:	24-JUL-95	ORG Name:	-
Primacy Agency:	California	Admin Name:	USFS ANGELES NF
Is Source Ind:	Yes	Phone No:	-
Facility Type Cd:	WL	Phone Ext No:	-
Facility Type Desc:	Well	Alt Phone No:	-
Activity Status Cd:	I	Fax No:	-
Activity Status:	Inactive	Email Addr:	-
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	I	Fac Activity:	Inactive
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	GW	GW or SS:	Groundwater
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	F	Owner Type:	Federal government
PWS Type Code:	TNCWS	PWS Type:	Transient non-community system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	GW	Primary Srce:	Ground water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	25
Is Grant Eligible:	No	Srv Cnctn Cnt:	0
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Slr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	Y	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	No	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qtr:	2016Q1		

Wells and Additional Sources Detail Report

--Details--

Treatment ID: -
 Treatment Process Code: -
 Treatment Process: -
 Treatment Objective Code: -
 Treatment Objective: -
 Treatment Plant City: -
 Treatment Plant State: -
 Treatment Plant Addr 1: -
 Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910418	Pop Cat 11:	<=100
Facility ID:	1	Pop Cat 11 Cd:	1
Facility Name:	SPRING	Pop Cat 2:	<10,000
EPA Region Code:	09	Pop Cat 2 Cd:	1
EPA Region:	Region 9	Pop Cat 3:	<=3300
Season Begin Date:	01-01	Pop Cat 3 Cd:	1
Season End Date:	12-31	Pop Cat 4:	<10K
Deactivation Date:	01-NOV-93	Pop Cat 4 Cd:	1
Fac Deactvtn Dt:	01-NOV-93	Pop Cat 5:	<=500
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	1
Last Rptd Date:	24-JUL-95	ORG Name:	-
Primacy Agency:	California	Admin Name:	USFS ANGELES NF
Is Source Ind:	Yes	Phone No:	-
Facility Type Cd:	WL	Phone Ext No:	-
Facility Type Desc:	Well	Alt Phone No:	-
Activity Status Cd:	I	Fax No:	-
Activity Status:	Inactive	Email Addr:	-
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	I	Fac Activity:	Inactive
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	GW	GW or SS:	Groundwater
LT2 Sch Ctgy Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	F	Owner Type:	Federal government
PWS Type Code:	TNCWS	PWS Type:	Transient non-community system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	GW	Primary Srce:	Ground water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-

Wells and Additional Sources Detail Report

Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	25
Is Grant Eligible:	No	Srv Cnctn Cnt:	0
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Slr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	Y	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	No	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qtr:	2016Q1		

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-
Treatment Objective Code:	-
Treatment Objective:	-
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910124	Pop Cat 11:	100,001-250,000
Facility ID:	9308	Pop Cat 11 Cd:	8
Facility Name:	MONTE VISTA	Pop Cat 2:	10,000+
EPA Region Code:	09	Pop Cat 2 Cd:	2
EPA Region:	Region 9	Pop Cat 3:	3,301-50,000
Season Begin Date:	-	Pop Cat 3 Cd:	3
Season End Date:	-	Pop Cat 4:	100K+
Deactivation Date:	-	Pop Cat 4 Cd:	4
Fac Deactvtn Dt:	-	Pop Cat 5:	>100,000
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	5
Last Rptd Date:	01-APR-16	ORG Name:	KWAN, SHAN
Primacy Agency:	California	Admin Name:	KWAN, SHAN
Is Source Ind:	Yes	Phone No:	626-744-4416
Facility Type Cd:	WL	Phone Ext No:	-
Facility Type Desc:	Well	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	626-744-4670

Wells and Additional Sources Detail Report

Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NET
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	L	Owner Type:	Local government
PWS Type Code:	CWS	PWS Type:	Community water system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	SWP	Primary Srce:	Surface water purchased
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	165,740
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	36314
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Slr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	Y	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	014
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qtr:	2016Q1		

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-
Treatment Objective Code:	-
Treatment Objective:	-
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910124	Pop Cat 11:	100,001-250,000
Facility ID:	44	Pop Cat 11 Cd:	8
Facility Name:	WOODBURY - CHLORINATION	Pop Cat 2:	10,000+

Wells and Additional Sources Detail Report

EPA Region Code:	09	Pop Cat 2 Cd:	2
EPA Region:	Region 9	Pop Cat 3:	3,301-50,000
Season Begin Date:	-	Pop Cat 3 Cd:	3
Season End Date:	-	Pop Cat 4:	100K+
Deactivation Date:	-	Pop Cat 4 Cd:	4
Fac Deactivtn Dt:	-	Pop Cat 5:	>100,000
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	5
Last Rptd Date:	18-DEC-13	ORG Name:	KWAN, SHAN
Primacy Agency:	California	Admin Name:	KWAN, SHAN
Is Source Ind:	No	Phone No:	626-744-4416
Facility Type Cd:	TP	Phone Ext No:	-
Facility Type Desc:	Treatment Plant	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	626-744-4670
Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NE T
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	-	Wtr Tp Desc:	-
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgy Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	L	Owner Type:	Local government
PWS Type Code:	CWS	PWS Type:	Community water system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	SW	Primary Srce:	Surface water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Unreported
Subms Sts Cd Vio:	U	Pop Srvd Cnt:	161,259
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	37355
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Sllr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	4
Submission Year:	2013	Validity Ind:	No
Submission Yr Qtr:	2013Q4		

--Details--

Treatment ID:	1
Treatment Process Code:	401
Treatment Process:	Gaseous Chlorination, Post
Treatment Objective Code:	D
Treatment Objective:	Disinfection

Wells and Additional Sources Detail Report

Treatment Plant City: -
 Treatment Plant State: -
 Treatment Plant Addr 1: -
 Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910124	Pop Cat 11:	100,001-250,000
Facility ID:	3102	Pop Cat 11 Cd:	8
Facility Name:	GARFIELD - CHLORINATION	Pop Cat 2:	10,000+
EPA Region Code:	09	Pop Cat 2 Cd:	2
EPA Region:	Region 9	Pop Cat 3:	3,301-50,000
Season Begin Date:	-	Pop Cat 3 Cd:	3
Season End Date:	-	Pop Cat 4:	100K+
Deactivation Date:	-	Pop Cat 4 Cd:	4
Fac Deactvtn Dt:	-	Pop Cat 5:	>100,000
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	5
Last Rptd Date:	01-APR-16	ORG Name:	KWAN, SHAN
Primacy Agency:	California	Admin Name:	KWAN, SHAN
Is Source Ind:	No	Phone No:	626-744-4416
Facility Type Cd:	TP	Phone Ext No:	-
Facility Type Desc:	Treatment Plant	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	626-744-4670
Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NE T
Availability Code:	-	Avlblty Desc:	-
Water Type Code:	-	Wtr Tp Desc:	-
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgy Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	L	Owner Type:	Local government
PWS Type Code:	CWS	PWS Type:	Community water system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	SWP	Primary Srce:	Surface water purchased
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	165,740
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	36314
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Slr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US

Wells and Additional Sources Detail Report

Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	041
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qtr:	2016Q1		

--Details--

Treatment ID:	7409
Treatment Process Code:	401
Treatment Process:	Gaseous Chlorination, Post
Treatment Objective Code:	D
Treatment Objective:	Disinfection
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	GASEOUS CHLORINATION, POST

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910124	Pop Cat 11:	100,001-250,000
Facility ID:	28402	Pop Cat 11 Cd:	8
Facility Name:	MWD CONNECTION, P-1 - TREATED	Pop Cat 2:	10,000+
EPA Region Code:	09	Pop Cat 2 Cd:	2
EPA Region:	Region 9	Pop Cat 3:	3,301-50,000
Season Begin Date:	-	Pop Cat 3 Cd:	3
Season End Date:	-	Pop Cat 4:	100K+
Deactivation Date:	-	Pop Cat 4 Cd:	4
Fac Deactvtn Dt:	-	Pop Cat 5:	>100,000
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	5
Last Rptd Date:	01-APR-16	ORG Name:	KWAN, SHAN
Primacy Agency:	California	Admin Name:	KWAN, SHAN
Is Source Ind:	Yes	Phone No:	626-744-4416
Facility Type Cd:	CC	Phone Ext No:	-
Facility Type Desc:	Consecutive Connection	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	626-744-4670
Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NET
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	SW	Wtr Tp Desc:	Surface water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active
Filtrtn Status Cd:	-	Filt Stat Desc:	-

Wells and Additional Sources Detail Report

GW or SW Code: SW	GW or SS: Surface water
LT2 Sch Ctgr Cd: -	LT2 Sched Ctg: -
Owner Type Code: L	Owner Type: Local government
PWS Type Code: CWS	PWS Type: Community water system
Primcy Agency Cd: CA	Primacy Type: State
Primary Source Cd: SWP	Primary Srce: Surface water purchased
Seller Treatmnt Cd: Y	Seller Trt Dsc: Partially treated by seller
Submsn Status Cd: Y	Sub Stat Dsc: Reported and accepted
Subms Sts Cd Vio: Y	Pop Srvd Cnt: 165,740
Is Grant Eligible: Yes	Srv Cnctn Cnt: 36314
Outstndng Perfrm: -	Seller PWSID: CA1910087
Outstndng Perf Dt: -	Slr PWS Nm: METROPOLITAN WATER DIST. OF SO. CAL.
Schl or Dycare: No	CDS ID: -
Source Treated Ind: N	Country Code: US
Src Wtr Protected: -	Cntry Nm BTP: -
Src Wtr Prot Dt: -	State Code: CA
NPM Candidate: Yes	State Fac ID: 033
Is Wholesaler: No	Sub Quarter: 1
Submission Year: 2016	Validity Ind: Yes
Submission Yr Qtr: 2016Q1	

--Details--

Treatment ID: -

Treatment Process Code: -

Treatment Process: -

Treatment Objective Code: -

Treatment Objective: -

Treatment Plant City: -

Treatment Plant State: -

Treatment Plant Addr 1: -

Treatment Plant Addr 2: -

Treatment Plant Zip Code: -

Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID: CA1910124	Pop Cat 11: 100,001-250,000
Facility ID: 11	Pop Cat 11 Cd: 8
Facility Name: JOHN L BEHNER WTP EFFLUENT - INACTIVE	Pop Cat 2: 10,000+
EPA Region Code: 09	Pop Cat 2 Cd: 2
EPA Region: Region 9	Pop Cat 3: 3,301-50,000
Season Begin Date: -	Pop Cat 3 Cd: 3
Season End Date: -	Pop Cat 4: 100K+
Deactivation Date: -	Pop Cat 4 Cd: 4

Wells and Additional Sources Detail Report

Fac Deactivtn Dt:	-	Pop Cat 5:	>100,000
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	5
Last Rptd Date:	18-DEC-13	ORG Name:	KWAN, SHAN
Primacy Agency:	California	Admin Name:	KWAN, SHAN
Is Source Ind:	Yes	Phone No:	626-744-4416
Facility Type Cd:	IN	Phone Ext No:	-
Facility Type Desc:	Intake	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	626-744-4670
Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NE T
Availability Code:	O	Avlblty Desc:	Other
Water Type Code:	SW	Wtr Tp Desc:	Surface water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	L	Owner Type:	Local government
PWS Type Code:	CWS	PWS Type:	Community water system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	SW	Primary Srce:	Surface water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Unreported
Subms Sts Cd Vio:	U	Pop Srvd Cnt:	161,259
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	37355
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Sllr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	U	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	4
Submission Year:	2013	Validity Ind:	No
Submission Yr Qtr:	2013Q4		

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-
Treatment Objective Code:	-
Treatment Objective:	-
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-

Wells and Additional Sources Detail Report

Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910124	Pop Cat 11:	100,001-250,000
Facility ID:	CA1910124014	Pop Cat 11 Cd:	8
Facility Name:	MONTE VISTA	Pop Cat 2:	10,000+
EPA Region Code:	09	Pop Cat 2 Cd:	2
EPA Region:	Region 9	Pop Cat 3:	3,301-50,000
Season Begin Date:	-	Pop Cat 3 Cd:	3
Season End Date:	-	Pop Cat 4:	100K+
Deactivation Date:	-	Pop Cat 4 Cd:	4
Fac Deactvtn Dt:	-	Pop Cat 5:	>100,000
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	5
Last Rptd Date:	18-DEC-13	ORG Name:	KWAN, SHAN
Primacy Agency:	California	Admin Name:	KWAN, SHAN
Is Source Ind:	Yes	Phone No:	626-744-4416
Facility Type Cd:	WL	Phone Ext No:	-
Facility Type Desc:	Well	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	626-744-4670
Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NET
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	L	Owner Type:	Local government
PWS Type Code:	CWS	PWS Type:	Community water system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	SW	Primary Srce:	Surface water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Unreported
Subms Sts Cd Vio:	U	Pop Srvd Cnt:	161,259
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	37355
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Sllr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	4
Submission Year:	2013	Validity Ind:	No

Wells and Additional Sources Detail Report

Submission Yr Qtr: 2013Q4

--Details--

Treatment ID: -
 Treatment Process Code: -
 Treatment Process: -
 Treatment Objective Code: -
 Treatment Objective: -
 Treatment Plant City: -
 Treatment Plant State: -
 Treatment Plant Addr 1: -
 Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910124	Pop Cat 11:	100,001-250,000
Facility ID:	CA1910124025	Pop Cat 11 Cd:	8
Facility Name:	WINDSOR RESVR-NO3 BLENDING COMPLIANCE	Pop Cat 2:	10,000+
EPA Region Code:	09	Pop Cat 2 Cd:	2
EPA Region:	Region 9	Pop Cat 3:	3,301-50,000
Season Begin Date:	-	Pop Cat 3 Cd:	3
Season End Date:	-	Pop Cat 4:	100K+
Deactivation Date:	-	Pop Cat 4 Cd:	4
Fac Deactvtn Dt:	-	Pop Cat 5:	>100,000
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	5
Last Rptd Date:	18-DEC-13	ORG Name:	KWAN, SHAN
Primacy Agency:	California	Admin Name:	KWAN, SHAN
Is Source Ind:	No	Phone No:	626-744-4416
Facility Type Cd:	TP	Phone Ext No:	-
Facility Type Desc:	Treatment Plant	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	626-744-4670
Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NET
Availability Code:	-	Avlblty Desc:	-
Water Type Code:	-	Wtr Tp Desc:	-
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	L	Owner Type:	Local government
PWS Type Code:	CWS	PWS Type:	Community water system
Primcy Agency Cd:	CA	Primacy Type:	State

Wells and Additional Sources Detail Report

Primary Source Cd:	SW	Primary Srce:	Surface water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Unreported
Subms Sts Cd Vio:	U	Pop Srvd Cnt:	161,259
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	37355
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Slr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	4
Submission Year:	2013	Validity Ind:	No
Submission Yr Qtr:	2013Q4		

--Details--

Treatment ID:	02
Treatment Process Code:	403
Treatment Process:	Gaseous Chlorination, Pre
Treatment Objective Code:	D
Treatment Objective:	Disinfection
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Treatment ID:	01
Treatment Process Code:	600
Treatment Process:	Rapid Mix
Treatment Objective Code:	I
Treatment Objective:	Inorganics removal
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910124	Pop Cat 11:	100,001-250,000
Facility ID:	3096	Pop Cat 11 Cd:	8

Wells and Additional Sources Detail Report

Facility Name:	WELL 59 - CHLORINATION XCLD	Pop Cat 2:	10,000+
EPA Region Code:	09	Pop Cat 2 Cd:	2
EPA Region:	Region 9	Pop Cat 3:	3,301-50,000
Season Begin Date:	-	Pop Cat 3 Cd:	3
Season End Date:	-	Pop Cat 4:	100K+
Deactivation Date:	-	Pop Cat 4 Cd:	4
Fac Deactvtn Dt:	-	Pop Cat 5:	>100,000
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	5
Last Rptd Date:	01-APR-16	ORG Name:	KWAN, SHAN
Primacy Agency:	California	Admin Name:	KWAN, SHAN
Is Source Ind:	No	Phone No:	626-744-4416
Facility Type Cd:	TP	Phone Ext No:	-
Facility Type Desc:	Treatment Plant	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	626-744-4670
Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NE T
Availability Code:	-	Avlblty Desc:	-
Water Type Code:	-	Wtr Tp Desc:	-
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	L	Owner Type:	Local government
PWS Type Code:	CWS	PWS Type:	Community water system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	SWP	Primary Srce:	Surface water purchased
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	165,740
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	36314
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Sllr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	048
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qtr:	2016Q1		

--Details--

Treatment ID:	7404
Treatment Process Code:	401
Treatment Process:	Gaseous Chlorination, Post
Treatment Objective Code:	D

Wells and Additional Sources Detail Report

Treatment Objective: Disinfection
 Treatment Plant City: -
 Treatment Plant State: -
 Treatment Plant Addr 1: -
 Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: GASEOUS CHLORINATION, POST

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910124	Pop Cat 11:	100,001-250,000
Facility ID:	27	Pop Cat 11 Cd:	8
Facility Name:	AERATION TOWERS EFFLUENT	Pop Cat 2:	10,000+
EPA Region Code:	09	Pop Cat 2 Cd:	2
EPA Region:	Region 9	Pop Cat 3:	3,301-50,000
Season Begin Date:	-	Pop Cat 3 Cd:	3
Season End Date:	-	Pop Cat 4:	100K+
Deactivation Date:	-	Pop Cat 4 Cd:	4
Fac Deactivtn Dt:	-	Pop Cat 5:	>100,000
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	5
Last Rptd Date:	18-DEC-13	ORG Name:	KWAN, SHAN
Primacy Agency:	California	Admin Name:	KWAN, SHAN
Is Source Ind:	Yes	Phone No:	626-744-4416
Facility Type Cd:	WL	Phone Ext No:	-
Facility Type Desc:	Well	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	626-744-4670
Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NET
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	L	Owner Type:	Local government
PWS Type Code:	CWS	PWS Type:	Community water system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	SW	Primary Srce:	Surface water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Unreported
Subms Sts Cd Vio:	U	Pop Srvd Cnt:	161,259
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	37355
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Slr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-

Wells and Additional Sources Detail Report

Source Treated Ind:	U	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	4
Submission Year:	2013	Validity Ind:	No
Submission Yr Qtr:	2013Q4		

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-
Treatment Objective Code:	-
Treatment Objective:	-
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910124	Pop Cat 11:	100,001-250,000
Facility ID:	23	Pop Cat 11 Cd:	8
Facility Name:	WOODBURY	Pop Cat 2:	10,000+
EPA Region Code:	09	Pop Cat 2 Cd:	2
EPA Region:	Region 9	Pop Cat 3:	3,301-50,000
Season Begin Date:	-	Pop Cat 3 Cd:	3
Season End Date:	-	Pop Cat 4:	100K+
Deactivation Date:	-	Pop Cat 4 Cd:	4
Fac Deactvtn Dt:	-	Pop Cat 5:	>100,000
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	5
Last Rptd Date:	18-DEC-13	ORG Name:	KWAN, SHAN
Primacy Agency:	California	Admin Name:	KWAN, SHAN
Is Source Ind:	Yes	Phone No:	626-744-4416
Facility Type Cd:	WL	Phone Ext No:	-
Facility Type Desc:	Well	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	626-744-4670
Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NE T
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active
Filtrtn Status Cd:	-	Filt Stat Desc:	-

Wells and Additional Sources Detail Report

GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	L	Owner Type:	Local government
PWS Type Code:	CWS	PWS Type:	Community water system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	SW	Primary Srce:	Surface water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Unreported
Subms Sts Cd Vio:	U	Pop Srvd Cnt:	161,259
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	37355
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Slr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	U	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	4
Submission Year:	2013	Validity Ind:	No
Submission Yr Qtr:	2013Q4		

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-
Treatment Objective Code:	-
Treatment Objective:	-
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910124	Pop Cat 11:	100,001-250,000
Facility ID:	CA1910124041	Pop Cat 11 Cd:	8
Facility Name:	GARFIELD - CHLORINATION	Pop Cat 2:	10,000+
EPA Region Code:	09	Pop Cat 2 Cd:	2
EPA Region:	Region 9	Pop Cat 3:	3,301-50,000
Season Begin Date:	-	Pop Cat 3 Cd:	3
Season End Date:	-	Pop Cat 4:	100K+
Deactivation Date:	-	Pop Cat 4 Cd:	4
Fac Deactvtn Dt:	-	Pop Cat 5:	>100,000

Wells and Additional Sources Detail Report

First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	5
Last Rptd Date:	18-DEC-13	ORG Name:	KWAN, SHAN
Primacy Agency:	California	Admin Name:	KWAN, SHAN
Is Source Ind:	No	Phone No:	626-744-4416
Facility Type Cd:	TP	Phone Ext No:	-
Facility Type Desc:	Treatment Plant	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	626-744-4670
Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NET
Availability Code:	-	Avlblty Desc:	-
Water Type Code:	-	Wtr Tp Desc:	-
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	L	Owner Type:	Local government
PWS Type Code:	CWS	PWS Type:	Community water system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	SW	Primary Srce:	Surface water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Unreported
Subms Sts Cd Vio:	U	Pop Srvd Cnt:	161,259
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	37355
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Slr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	4
Submission Year:	2013	Validity Ind:	No
Submission Yr Qtr:	2013Q4		

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-
Treatment Objective Code:	-
Treatment Objective:	-
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Wells and Additional Sources Detail Report

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910124	Pop Cat 11:	100,001-250,000
Facility ID:	3116	Pop Cat 11 Cd:	8
Facility Name:	WOODBURY - CHLORINATION	Pop Cat 2:	10,000+
EPA Region Code:	09	Pop Cat 2 Cd:	2
EPA Region:	Region 9	Pop Cat 3:	3,301-50,000
Season Begin Date:	-	Pop Cat 3 Cd:	3
Season End Date:	-	Pop Cat 4:	100K+
Deactivation Date:	-	Pop Cat 4 Cd:	4
Fac Deactvtn Dt:	-	Pop Cat 5:	>100,000
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	5
Last Rptd Date:	01-APR-16	ORG Name:	KWAN, SHAN
Primacy Agency:	California	Admin Name:	KWAN, SHAN
Is Source Ind:	No	Phone No:	626-744-4416
Facility Type Cd:	TP	Phone Ext No:	-
Facility Type Desc:	Treatment Plant	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	626-744-4670
Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NE T
Availability Code:	-	Avlblty Desc:	-
Water Type Code:	-	Wtr Tp Desc:	-
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	L	Owner Type:	Local government
PWS Type Code:	CWS	PWS Type:	Community water system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	SWP	Primary Srce:	Surface water purchased
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	165,740
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	36314
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Slr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	044
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qtr:	2016Q1		

Wells and Additional Sources Detail Report

--Details--

Treatment ID: 7406
 Treatment Process Code: 401
 Treatment Process: Gaseous Chlorination, Post
 Treatment Objective Code: D
 Treatment Objective: Disinfection
 Treatment Plant City: -
 Treatment Plant State: -
 Treatment Plant Addr 1: -
 Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: GASEOUS CHLORINATION, POST

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910124	Pop Cat 11:	100,001-250,000
Facility ID:	CA1910124020	Pop Cat 11 Cd:	8
Facility Name:	VILLA	Pop Cat 2:	10,000+
EPA Region Code:	09	Pop Cat 2 Cd:	2
EPA Region:	Region 9	Pop Cat 3:	3,301-50,000
Season Begin Date:	-	Pop Cat 3 Cd:	3
Season End Date:	-	Pop Cat 4:	100K+
Deactivation Date:	-	Pop Cat 4 Cd:	4
Fac Deactvtn Dt:	-	Pop Cat 5:	>100,000
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	5
Last Rptd Date:	18-DEC-13	ORG Name:	KWAN, SHAN
Primacy Agency:	California	Admin Name:	KWAN, SHAN
Is Source Ind:	Yes	Phone No:	626-744-4416
Facility Type Cd:	WL	Phone Ext No:	-
Facility Type Desc:	Well	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	626-744-4670
Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NE T
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	L	Owner Type:	Local government
PWS Type Code:	CWS	PWS Type:	Community water system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	SW	Primary Srce:	Surface water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Unreported

Wells and Additional Sources Detail Report

Subms Sts Cd Vio:	U	Pop Srvd Cnt:	161,259
Is Grant Eligible:	Yes	Srvs Cnctn Cnt:	37355
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Sllr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	4
Submission Year:	2013	Validity Ind:	No
Submission Yr Qtr:	2013Q4		

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-
Treatment Objective Code:	-
Treatment Objective:	-
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910124	Pop Cat 11:	100,001-250,000
Facility ID:	28399	Pop Cat 11 Cd:	8
Facility Name:	EATON CANYON STREAM - RAW - INACTIVE	Pop Cat 2:	10,000+
EPA Region Code:	09	Pop Cat 2 Cd:	2
EPA Region:	Region 9	Pop Cat 3:	3,301-50,000
Season Begin Date:	-	Pop Cat 3 Cd:	3
Season End Date:	-	Pop Cat 4:	100K+
Deactivation Date:	-	Pop Cat 4 Cd:	4
Fac Deactvtn Dt:	01-JUL-95	Pop Cat 5:	>100,000
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	5
Last Rptd Date:	01-APR-16	ORG Name:	KWAN, SHAN
Primacy Agency:	California	Admin Name:	KWAN, SHAN
Is Source Ind:	Yes	Phone No:	626-744-4416
Facility Type Cd:	IN	Phone Ext No:	-
Facility Type Desc:	Intake	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	626-744-4670
Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NE

Wells and Additional Sources Detail Report

Availability Code:	O	Avlblty Desc:	T Other
Water Type Code:	SW	Wtr Tp Desc:	Surface water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	I	Fac Activity:	Inactive
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	L	Owner Type:	Local government
PWS Type Code:	CWS	PWS Type:	Community water system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	SWP	Primary Srce:	Surface water purchased
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	165,740
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	36314
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Slr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	008
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qtr:	2016Q1		

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-
Treatment Objective Code:	-
Treatment Objective:	-
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910435	Pop Cat 11:	<=100
Facility ID:	1	Pop Cat 11 Cd:	1
Facility Name:	STREAM	Pop Cat 2:	<10,000

Wells and Additional Sources Detail Report

EPA Region Code:	09	Pop Cat 2 Cd:	1
EPA Region:	Region 9	Pop Cat 3:	<=3300
Season Begin Date:	01-01	Pop Cat 3 Cd:	1
Season End Date:	12-31	Pop Cat 4:	<10K
Deactivation Date:	01-NOV-93	Pop Cat 4 Cd:	1
Fac Deactivtn Dt:	01-NOV-93	Pop Cat 5:	<=500
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	1
Last Rptd Date:	24-JUL-95	ORG Name:	-
Primacy Agency:	California	Admin Name:	USFS ANGELES NF
Is Source Ind:	Yes	Phone No:	-
Facility Type Cd:	IN	Phone Ext No:	-
Facility Type Desc:	Intake	Alt Phone No:	-
Activity Status Cd:	I	Fax No:	-
Activity Status:	Inactive	Email Addr:	-
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	SW	Wtr Tp Desc:	Surface water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	I	Fac Activity:	Inactive
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	F	Owner Type:	Federal government
PWS Type Code:	TNCWS	PWS Type:	Transient non-community system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	SW	Primary Srce:	Surface water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	25
Is Grant Eligible:	No	Srv Cnctn Cnt:	0
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Sllr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	Y	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	No	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qtr:	2016Q1		

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-
Treatment Objective Code:	-
Treatment Objective:	-
Treatment Plant City:	-

Wells and Additional Sources Detail Report

Treatment Plant State: -
 Treatment Plant Addr 1: -
 Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910124	Pop Cat 11:	100,001-250,000
Facility ID:	CA1910124043	Pop Cat 11 Cd:	8
Facility Name:	VILLA - CHLORINATION	Pop Cat 2:	10,000+
EPA Region Code:	09	Pop Cat 2 Cd:	2
EPA Region:	Region 9	Pop Cat 3:	3,301-50,000
Season Begin Date:	-	Pop Cat 3 Cd:	3
Season End Date:	-	Pop Cat 4:	100K+
Deactivation Date:	-	Pop Cat 4 Cd:	4
Fac Deactvtn Dt:	-	Pop Cat 5:	>100,000
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	5
Last Rptd Date:	18-DEC-13	ORG Name:	KWAN, SHAN
Primacy Agency:	California	Admin Name:	KWAN, SHAN
Is Source Ind:	No	Phone No:	626-744-4416
Facility Type Cd:	TP	Phone Ext No:	-
Facility Type Desc:	Treatment Plant	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	626-744-4670
Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NE T
Availability Code:	-	Avlblty Desc:	-
Water Type Code:	-	Wtr Tp Desc:	-
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	L	Owner Type:	Local government
PWS Type Code:	CWS	PWS Type:	Community water system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	SW	Primary Srce:	Surface water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Unreported
Subms Sts Cd Vio:	U	Pop Srvd Cnt:	161,259
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	37355
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Slr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-

Wells and Additional Sources Detail Report

Src Wtr Prot Dt: -	State Code: CA
NPM Candidate: Yes	State Fac ID: -
Is Wholesaler: No	Sub Quarter: 4
Submission Year: 2013	Validity Ind: No
Submission Yr Qtr: 2013Q4	

--Details--

Treatment ID: -

Treatment Process Code: -

Treatment Process: -

Treatment Objective Code: -

Treatment Objective: -

Treatment Plant City: -

Treatment Plant State: -

Treatment Plant Addr 1: -

Treatment Plant Addr 2: -

Treatment Plant Zip Code: -

Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID: CA1910124	Pop Cat 11: 100,001-250,000
Facility ID: 20323	Pop Cat 11 Cd: 8
Facility Name: WELL 52	Pop Cat 2: 10,000+
EPA Region Code: 09	Pop Cat 2 Cd: 2
EPA Region: Region 9	Pop Cat 3: 3,301-50,000
Season Begin Date: -	Pop Cat 3 Cd: 3
Season End Date: -	Pop Cat 4: 100K+
Deactivation Date: -	Pop Cat 4 Cd: 4
Fac Deactvtn Dt: -	Pop Cat 5: >100,000
First Rptd Dt: 22-MAR-79	Pop Cat 5 Cd: 5
Last Rptd Date: 01-APR-16	ORG Name: KWAN, SHAN
Primacy Agency: California	Admin Name: KWAN, SHAN
Is Source Ind: Yes	Phone No: 626-744-4416
Facility Type Cd: WL	Phone Ext No: -
Facility Type Desc: Well	Alt Phone No: -
Activity Status Cd: A	Fax No: 626-744-4670
Activity Status: Active	Email Addr: SKWAN@CITYOFPASADENA.NET
Availability Code: P	Avlbty Desc: Permanent
Water Type Code: GW	Wtr Tp Desc: Ground water
DBPR Schd Ctg Cd: -	DBPR Schd Ctg: -
Facility Activity Cd: A	Fac Activity: Active
Filtrtn Status Cd: -	Filt Stat Desc: -
GW or SW Code: SW	GW or SS: Surface water
LT2 Sch Ctgry Cd: -	LT2 Sched Ctg: -

Wells and Additional Sources Detail Report

Owner Type Code: L	Owner Type: Local government
PWS Type Code: CWS	PWS Type: Community water system
Primcy Agency Cd: CA	Primacy Type: State
Primary Source Cd: SWP	Primary Srce: Surface water purchased
Seller Treatmnt Cd: -	Seller Trt Dsc: -
Submsn Status Cd: Y	Sub Stat Dsc: Reported and accepted
Subms Sts Cd Vio: Y	Pop Srvd Cnt: 165,740
Is Grant Eligible: Yes	Srv Cnctn Cnt: 36314
Outstndng Perfrm: -	Seller PWSID: -
Outstndng Perf Dt: -	Sllr PWS Nm: -
Schl or Dycare: No	CDS ID: -
Source Treated Ind: Y	Country Code: US
Src Wtr Protected: -	Cntry Nm BTP: -
Src Wtr Prot Dt: -	State Code: CA
NPM Candidate: Yes	State Fac ID: 021
Is Wholesaler: No	Sub Quarter: 1
Submission Year: 2016	Validity Ind: No
Submission Yr Qtr: 2016Q1	

--Details--

Treatment ID: -

Treatment Process Code: -

Treatment Process: -

Treatment Objective Code: -

Treatment Objective: -

Treatment Plant City: -

Treatment Plant State: -

Treatment Plant Addr 1: -

Treatment Plant Addr 2: -

Treatment Plant Zip Code: -

Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID: CA1910124	Pop Cat 11: 100,001-250,000
Facility ID: 9306	Pop Cat 11 Cd: 8
Facility Name: GARFIELD	Pop Cat 2: 10,000+
EPA Region Code: 09	Pop Cat 2 Cd: 2
EPA Region: Region 9	Pop Cat 3: 3,301-50,000
Season Begin Date: -	Pop Cat 3 Cd: 3
Season End Date: -	Pop Cat 4: 100K+
Deactivation Date: -	Pop Cat 4 Cd: 4
Fac Deactvtn Dt: -	Pop Cat 5: >100,000
First Rptd Dt: 22-MAR-79	Pop Cat 5 Cd: 5
Last Rptd Date: 01-APR-16	ORG Name: KWAN, SHAN

Wells and Additional Sources Detail Report

Primacy Agency:	California	Admin Name:	KWAN, SHAN
Is Source Ind:	Yes	Phone No:	626-744-4416
Facility Type Cd:	WL	Phone Ext No:	-
Facility Type Desc:	Well	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	626-744-4670
Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NET
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	L	Owner Type:	Local government
PWS Type Code:	CWS	PWS Type:	Community water system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	SWP	Primary Srce:	Surface water purchased
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	165,740
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	36314
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Slr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	Y	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	010
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qtr:	2016Q1		

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-
Treatment Objective Code:	-
Treatment Objective:	-
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
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Wells and Additional Sources Detail Report

2	NE	0.48	2,539.22	830.34	SDWIS
PWS ID:	CA1910124	Pop Cat 11:	100,001-250,000		
Facility ID:	CA1910124044	Pop Cat 11 Cd:	8		
Facility Name:	WOODBURY - CHLORINATION	Pop Cat 2:	10,000+		
EPA Region Code:	09	Pop Cat 2 Cd:	2		
EPA Region:	Region 9	Pop Cat 3:	3,301-50,000		
Season Begin Date:	-	Pop Cat 3 Cd:	3		
Season End Date:	-	Pop Cat 4:	100K+		
Deactivation Date:	-	Pop Cat 4 Cd:	4		
Fac Deactvtn Dt:	-	Pop Cat 5:	>100,000		
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	5		
Last Rptd Date:	18-DEC-13	ORG Name:	KWAN, SHAN		
Primacy Agency:	California	Admin Name:	KWAN, SHAN		
Is Source Ind:	No	Phone No:	626-744-4416		
Facility Type Cd:	TP	Phone Ext No:	-		
Facility Type Desc:	Treatment Plant	Alt Phone No:	-		
Activity Status Cd:	A	Fax No:	626-744-4670		
Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NE T		
Availability Code:	-	Avlblty Desc:	-		
Water Type Code:	-	Wtr Tp Desc:	-		
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-		
Facility Activity Cd:	A	Fac Activity:	Active		
Filtrtn Status Cd:	-	Filt Stat Desc:	-		
GW or SW Code:	SW	GW or SS:	Surface water		
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-		
Owner Type Code:	L	Owner Type:	Local government		
PWS Type Code:	CWS	PWS Type:	Community water system		
Primcy Agency Cd:	CA	Primacy Type:	State		
Primary Source Cd:	SW	Primary Srce:	Surface water		
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-		
Submsn Status Cd:	Y	Sub Stat Dsc:	Unreported		
Subms Sts Cd Vio:	U	Pop Srvd Cnt:	161,259		
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	37355		
Outstndng Perfrm:	-	Seller PWSID:	-		
Outstndng Perf Dt:	-	Slr PWS Nm:	-		
Schl or Dycare:	No	CDS ID:	-		
Source Treated Ind:	-	Country Code:	US		
Src Wtr Protected:	-	Cntry Nm BTP:	-		
Src Wtr Prot Dt:	-	State Code:	CA		
NPM Candidate:	Yes	State Fac ID:	-		
Is Wholesaler:	No	Sub Quarter:	4		
Submission Year:	2013	Validity Ind:	No		
Submission Yr Qtr:	2013Q4				

--Details--

Wells and Additional Sources Detail Report

Treatment ID: -
 Treatment Process Code: -
 Treatment Process: -
 Treatment Objective Code: -
 Treatment Objective: -
 Treatment Plant City: -
 Treatment Plant State: -
 Treatment Plant Addr 1: -
 Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910124	Pop Cat 11:	100,001-250,000
Facility ID:	53621	Pop Cat 11 Cd:	8
Facility Name:	MHTS-TREATED EFFL. BEFORE DISINFECTION	Pop Cat 2:	10,000+
EPA Region Code:	09	Pop Cat 2 Cd:	2
EPA Region:	Region 9	Pop Cat 3:	3,301-50,000
Season Begin Date:	-	Pop Cat 3 Cd:	3
Season End Date:	-	Pop Cat 4:	100K+
Deactivation Date:	-	Pop Cat 4 Cd:	4
Fac Deactvtn Dt:	-	Pop Cat 5:	>100,000
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	5
Last Rptd Date:	01-APR-16	ORG Name:	KWAN, SHAN
Primacy Agency:	California	Admin Name:	KWAN, SHAN
Is Source Ind:	No	Phone No:	626-744-4416
Facility Type Cd:	TP	Phone Ext No:	-
Facility Type Desc:	Treatment Plant	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	626-744-4670
Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NET
Availability Code:	-	Avlblty Desc:	-
Water Type Code:	-	Wtr Tp Desc:	-
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	L	Owner Type:	Local government
PWS Type Code:	CWS	PWS Type:	Community water system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	SWP	Primary Srce:	Surface water purchased
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted

Wells and Additional Sources Detail Report

Subms Sts Cd Vio: Y	Pop Srvd Cnt: 165,740
Is Grant Eligible: Yes	Srv Cnctn Cnt: 36314
Outstndng Perfrm: -	Seller PWSID: -
Outstndng Perf Dt: -	Sllr PWS Nm: -
Schl or Dycare: No	CDS ID: -
Source Treated Ind: -	Country Code: US
Src Wtr Protected: -	Cntry Nm BTP: -
Src Wtr Prot Dt: -	State Code: CA
NPM Candidate: Yes	State Fac ID: 050
Is Wholesaler: No	Sub Quarter: 1
Submission Year: 2016	Validity Ind: No
Submission Yr Qtr: 2016Q1	

--Details--

Treatment ID: 11686
 Treatment Process Code: 460
 Treatment Process: Ion Exchange
 Treatment Objective Code: I
 Treatment Objective: Inorganics removal
 Treatment Plant City: -
 Treatment Plant State: -
 Treatment Plant Addr 1: -
 Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: ION EXCHANGE

Treatment ID: 11685
 Treatment Process Code: 121
 Treatment Process: Activated Carbon, Granular
 Treatment Objective Code: O
 Treatment Objective: Organics removal
 Treatment Plant City: -
 Treatment Plant State: -
 Treatment Plant Addr 1: -
 Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: ACTIVATED CARBON, GRANULAR

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID: CA1910124	Pop Cat 11: 100,001-250,000
Facility ID: 1	Pop Cat 11 Cd: 8
Facility Name: ARROYO - INACTIVE	Pop Cat 2: 10,000+
EPA Region Code: 09	Pop Cat 2 Cd: 2
EPA Region: Region 9	Pop Cat 3: 3,301-50,000

Wells and Additional Sources Detail Report

Season Begin Date:	-	Pop Cat 3 Cd:	3
Season End Date:	-	Pop Cat 4:	100K+
Deactivation Date:	-	Pop Cat 4 Cd:	4
Fac Deactvtn Dt:	-	Pop Cat 5:	>100,000
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	5
Last Rptd Date:	18-DEC-13	ORG Name:	KWAN, SHAN
Primacy Agency:	California	Admin Name:	KWAN, SHAN
Is Source Ind:	Yes	Phone No:	626-744-4416
Facility Type Cd:	WL	Phone Ext No:	-
Facility Type Desc:	Well	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	626-744-4670
Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NET
Availability Code:	O	Avlblty Desc:	Other
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	L	Owner Type:	Local government
PWS Type Code:	CWS	PWS Type:	Community water system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	SW	Primary Srce:	Surface water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Unreported
Subms Sts Cd Vio:	U	Pop Srvd Cnt:	161,259
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	37355
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Sllr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	U	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	4
Submission Year:	2013	Validity Ind:	No
Submission Yr Qtr:	2013Q4		

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-
Treatment Objective Code:	-
Treatment Objective:	-
Treatment Plant City:	-
Treatment Plant State:	-

Wells and Additional Sources Detail Report

Treatment Plant Addr 1: -
 Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910124	Pop Cat 11:	100,001-250,000
Facility ID:	5911	Pop Cat 11 Cd:	8
Facility Name:	SUNSET RESERVOIR-A BASIN-NO3 & VOC BLEND	Pop Cat 2:	10,000+
EPA Region Code:	09	Pop Cat 2 Cd:	2
EPA Region:	Region 9	Pop Cat 3:	3,301-50,000
Season Begin Date:	-	Pop Cat 3 Cd:	3
Season End Date:	-	Pop Cat 4:	100K+
Deactivation Date:	-	Pop Cat 4 Cd:	4
Fac Deactvtn Dt:	-	Pop Cat 5:	>100,000
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	5
Last Rptd Date:	01-APR-16	ORG Name:	KWAN, SHAN
Primacy Agency:	California	Admin Name:	KWAN, SHAN
Is Source Ind:	No	Phone No:	626-744-4416
Facility Type Cd:	TP	Phone Ext No:	-
Facility Type Desc:	Treatment Plant	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	626-744-4670
Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NET
Availability Code:	-	Avlblty Desc:	-
Water Type Code:	-	Wtr Tp Desc:	-
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	L	Owner Type:	Local government
PWS Type Code:	CWS	PWS Type:	Community water system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	SWP	Primary Srce:	Surface water purchased
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	165,740
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	36314
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Slr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA

Wells and Additional Sources Detail Report

NPM Candidate:	Yes	State Fac ID:	024
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qtr:	2016Q1		

--Details--

Treatment ID:	7399
Treatment Process Code:	403
Treatment Process:	Gaseous Chlorination, Pre
Treatment Objective Code:	D
Treatment Objective:	Disinfection
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	GASEOUS CHLORINATION, PRE

Treatment ID:	7398
Treatment Process Code:	600
Treatment Process:	Rapid Mix
Treatment Objective Code:	I
Treatment Objective:	Inorganics removal
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	RAPID MIX

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910442	Pop Cat 11:	<=100
Facility ID:	1	Pop Cat 11 Cd:	1
Facility Name:	SPRING	Pop Cat 2:	<10,000
EPA Region Code:	09	Pop Cat 2 Cd:	1
EPA Region:	Region 9	Pop Cat 3:	<=3300
Season Begin Date:	01-01	Pop Cat 3 Cd:	1
Season End Date:	12-31	Pop Cat 4:	<10K
Deactivation Date:	01-NOV-93	Pop Cat 4 Cd:	1
Fac Deactvtn Dt:	01-NOV-93	Pop Cat 5:	<=500
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	1
Last Rptd Date:	24-JUL-95	ORG Name:	-
Primacy Agency:	California	Admin Name:	USFS ANGELES NF
Is Source Ind:	Yes	Phone No:	-

Wells and Additional Sources Detail Report

Facility Type Cd:	WL	Phone Ext No:	-
Facility Type Desc:	Well	Alt Phone No:	-
Activity Status Cd:	I	Fax No:	-
Activity Status:	Inactive	Email Addr:	-
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	I	Fac Activity:	Inactive
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	GW	GW or SS:	Groundwater
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	F	Owner Type:	Federal government
PWS Type Code:	TNCWS	PWS Type:	Transient non-community system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	GW	Primary Srce:	Ground water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	25
Is Grant Eligible:	No	Srv Cnctn Cnt:	0
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Sllr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	Y	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	No	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qtr:	2016Q1		

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-
Treatment Objective Code:	-
Treatment Objective:	-
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

Wells and Additional Sources Detail Report

PWS ID:	CA1910124	Pop Cat 11:	100,001-250,000
Facility ID:	CA1910124040	Pop Cat 11 Cd:	8
Facility Name:	EATON WELL - CHLORINATION - STANDBY	Pop Cat 2:	10,000+
EPA Region Code:	09	Pop Cat 2 Cd:	2
EPA Region:	Region 9	Pop Cat 3:	3,301-50,000
Season Begin Date:	-	Pop Cat 3 Cd:	3
Season End Date:	-	Pop Cat 4:	100K+
Deactivation Date:	-	Pop Cat 4 Cd:	4
Fac Deactvtn Dt:	-	Pop Cat 5:	>100,000
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	5
Last Rptd Date:	18-DEC-13	ORG Name:	KWAN, SHAN
Primacy Agency:	California	Admin Name:	KWAN, SHAN
Is Source Ind:	No	Phone No:	626-744-4416
Facility Type Cd:	TP	Phone Ext No:	-
Facility Type Desc:	Treatment Plant	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	626-744-4670
Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NE T
Availability Code:	-	Avlblty Desc:	-
Water Type Code:	-	Wtr Tp Desc:	-
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgy Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	L	Owner Type:	Local government
PWS Type Code:	CWS	PWS Type:	Community water system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	SW	Primary Srce:	Surface water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Unreported
Subms Sts Cd Vio:	U	Pop Srvd Cnt:	161,259
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	37355
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Slr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	4
Submission Year:	2013	Validity Ind:	No
Submission Yr Qtr:	2013Q4		

--Details--

Treatment ID: -
Treatment Process Code: -

Wells and Additional Sources Detail Report

Treatment Process: -
 Treatment Objective Code: -
 Treatment Objective: -
 Treatment Plant City: -
 Treatment Plant State: -
 Treatment Plant Addr 1: -
 Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910124	Pop Cat 11:	100,001-250,000
Facility ID:	9284	Pop Cat 11 Cd:	8
Facility Name:	BANGHAM	Pop Cat 2:	10,000+
EPA Region Code:	09	Pop Cat 2 Cd:	2
EPA Region:	Region 9	Pop Cat 3:	3,301-50,000
Season Begin Date:	-	Pop Cat 3 Cd:	3
Season End Date:	-	Pop Cat 4:	100K+
Deactivation Date:	-	Pop Cat 4 Cd:	4
Fac Deactvtn Dt:	-	Pop Cat 5:	>100,000
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	5
Last Rptd Date:	01-APR-16	ORG Name:	KWAN, SHAN
Primacy Agency:	California	Admin Name:	KWAN, SHAN
Is Source Ind:	Yes	Phone No:	626-744-4416
Facility Type Cd:	WL	Phone Ext No:	-
Facility Type Desc:	Well	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	626-744-4670
Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NET
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	L	Owner Type:	Local government
PWS Type Code:	CWS	PWS Type:	Community water system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	SWP	Primary Srce:	Surface water purchased
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	165,740
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	36314
Outstndng Perfrm:	-	Seller PWSID:	-

Wells and Additional Sources Detail Report

Outstndng Perf Dt:	-	Sllr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	Y	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	028
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qtr:	2016Q1		

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-
Treatment Objective Code:	-
Treatment Objective:	-
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910436	Pop Cat 11:	<=100
Facility ID:	1	Pop Cat 11 Cd:	1
Facility Name:	SPRING	Pop Cat 2:	<10,000
EPA Region Code:	09	Pop Cat 2 Cd:	1
EPA Region:	Region 9	Pop Cat 3:	<=3300
Season Begin Date:	01-01	Pop Cat 3 Cd:	1
Season End Date:	12-31	Pop Cat 4:	<10K
Deactivation Date:	01-NOV-93	Pop Cat 4 Cd:	1
Fac Deactvtn Dt:	01-NOV-93	Pop Cat 5:	<=500
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	1
Last Rptd Date:	24-JUL-95	ORG Name:	-
Primacy Agency:	California	Admin Name:	USFS ANGELES NF
Is Source Ind:	Yes	Phone No:	-
Facility Type Cd:	WL	Phone Ext No:	-
Facility Type Desc:	Well	Alt Phone No:	-
Activity Status Cd:	I	Fax No:	-
Activity Status:	Inactive	Email Addr:	-
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-

Wells and Additional Sources Detail Report

Facility Activity Cd: I	Fac Activity: Inactive
Filtrtn Status Cd: -	Filt Stat Desc: -
GW or SW Code: GW	GW or SS: Groundwater
LT2 Sch Ctgr Cd: -	LT2 Sched Ctg: -
Owner Type Code: F	Owner Type: Federal government
PWS Type Code: TNCWS	PWS Type: Transient non-community system
Primcy Agency Cd: CA	Primacy Type: State
Primary Source Cd: GW	Primary Srce: Ground water
Seller Treatmnt Cd: -	Seller Trt Dsc: -
Submsn Status Cd: Y	Sub Stat Dsc: Reported and accepted
Subms Sts Cd Vio: Y	Pop Srvd Cnt: 25
Is Grant Eligible: No	Srv Cnctn Cnt: 0
Outstndng Perfrm: -	Seller PWSID: -
Outstndng Perf Dt: -	Sllr PWS Nm: -
Schl or Dycare: No	CDS ID: -
Source Treated Ind: Y	Country Code: US
Src Wtr Protected: -	Cntry Nm BTP: -
Src Wtr Prot Dt: -	State Code: CA
NPM Candidate: No	State Fac ID: -
Is Wholesaler: No	Sub Quarter: 1
Submission Year: 2016	Validity Ind: Yes
Submission Yr Qtr: 2016Q1	

--Details--

Treatment ID: -

Treatment Process Code: -

Treatment Process: -

Treatment Objective Code: -

Treatment Objective: -

Treatment Plant City: -

Treatment Plant State: -

Treatment Plant Addr 1: -

Treatment Plant Addr 2: -

Treatment Plant Zip Code: -

Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID: CA1910124	Pop Cat 11: 100,001-250,000
Facility ID: 24	Pop Cat 11 Cd: 8
Facility Name: SUNSET RESERVOIR-A BASIN-NO3 & VOC BLEND	Pop Cat 2: 10,000+
EPA Region Code: 09	Pop Cat 2 Cd: 2
EPA Region: Region 9	Pop Cat 3: 3,301-50,000
Season Begin Date: -	Pop Cat 3 Cd: 3
Season End Date: -	Pop Cat 4: 100K+

Wells and Additional Sources Detail Report

Deactivation Date:	-	Pop Cat 4 Cd:	4
Fac Deactvtn Dt:	-	Pop Cat 5:	>100,000
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	5
Last Rptd Date:	18-DEC-13	ORG Name:	KWAN, SHAN
Primacy Agency:	California	Admin Name:	KWAN, SHAN
Is Source Ind:	No	Phone No:	626-744-4416
Facility Type Cd:	ST	Phone Ext No:	-
Facility Type Desc:	Storage	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	626-744-4670
Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NE T
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	-	Wtr Tp Desc:	-
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	L	Owner Type:	Local government
PWS Type Code:	CWS	PWS Type:	Community water system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	SW	Primary Srce:	Surface water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Unreported
Subms Sts Cd Vio:	U	Pop Srvd Cnt:	161,259
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	37355
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Slr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	4
Submission Year:	2013	Validity Ind:	No
Submission Yr Qtr:	2013Q4		

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-
Treatment Objective Code:	-
Treatment Objective:	-
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-

Wells and Additional Sources Detail Report

Treatment Plant Zip Code: -

Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910124	Pop Cat 11:	100,001-250,000
Facility ID:	24538	Pop Cat 11 Cd:	8
Facility Name:	EATON WELL - STANDBY	Pop Cat 2:	10,000+
EPA Region Code:	09	Pop Cat 2 Cd:	2
EPA Region:	Region 9	Pop Cat 3:	3,301-50,000
Season Begin Date:	-	Pop Cat 3 Cd:	3
Season End Date:	-	Pop Cat 4:	100K+
Deactivation Date:	-	Pop Cat 4 Cd:	4
Fac Deactivtn Dt:	-	Pop Cat 5:	>100,000
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	5
Last Rptd Date:	01-APR-16	ORG Name:	KWAN, SHAN
Primacy Agency:	California	Admin Name:	KWAN, SHAN
Is Source Ind:	Yes	Phone No:	626-744-4416
Facility Type Cd:	WL	Phone Ext No:	-
Facility Type Desc:	Well	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	626-744-4670
Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NET
Availability Code:	E	Avlblty Desc:	Emergency
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	L	Owner Type:	Local government
PWS Type Code:	CWS	PWS Type:	Community water system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	SWP	Primary Srce:	Surface water purchased
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	165,740
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	36314
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Slr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	Y	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	009
Is Wholesaler:	No	Sub Quarter:	1

Wells and Additional Sources Detail Report

Submission Year: 2016 Validity Ind: Yes
 Submission Yr Qtr: 2016Q1

--Details--

Treatment ID: -
 Treatment Process Code: -
 Treatment Process: -
 Treatment Objective Code: -
 Treatment Objective: -
 Treatment Plant City: -
 Treatment Plant State: -
 Treatment Plant Addr 1: -
 Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910124	Pop Cat 11:	100,001-250,000
Facility ID:	6	Pop Cat 11 Cd:	8
Facility Name:	COPELIN	Pop Cat 2:	10,000+
EPA Region Code:	09	Pop Cat 2 Cd:	2
EPA Region:	Region 9	Pop Cat 3:	3,301-50,000
Season Begin Date:	-	Pop Cat 3 Cd:	3
Season End Date:	-	Pop Cat 4:	100K+
Deactivation Date:	-	Pop Cat 4 Cd:	4
Fac Deactivtn Dt:	-	Pop Cat 5:	>100,000
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	5
Last Rptd Date:	18-DEC-13	ORG Name:	KWAN, SHAN
Primacy Agency:	California	Admin Name:	KWAN, SHAN
Is Source Ind:	Yes	Phone No:	626-744-4416
Facility Type Cd:	WL	Phone Ext No:	-
Facility Type Desc:	Well	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	626-744-4670
Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NET
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	L	Owner Type:	Local government
PWS Type Code:	CWS	PWS Type:	Community water system
Primcy Agency Cd:	CA	Primacy Type:	State

Wells and Additional Sources Detail Report

Primary Source Cd:	SW	Primary Srce:	Surface water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Unreported
Subms Sts Cd Vio:	U	Pop Srvd Cnt:	161,259
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	37355
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Sllr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	U	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	4
Submission Year:	2013	Validity Ind:	No
Submission Yr Qtr:	2013Q4		

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-
Treatment Objective Code:	-
Treatment Objective:	-
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910124	Pop Cat 11:	100,001-250,000
Facility ID:	5932	Pop Cat 11 Cd:	8
Facility Name:	SUNSET RESERVOIR-TANK #2-NO3 & VOC BLEND	Pop Cat 2:	10,000+
EPA Region Code:	09	Pop Cat 2 Cd:	2
EPA Region:	Region 9	Pop Cat 3:	3,301-50,000
Season Begin Date:	-	Pop Cat 3 Cd:	3
Season End Date:	-	Pop Cat 4:	100K+
Deactivation Date:	-	Pop Cat 4 Cd:	4
Fac Deactvtn Dt:	-	Pop Cat 5:	>100,000
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	5
Last Rptd Date:	01-APR-16	ORG Name:	KWAN, SHAN
Primacy Agency:	California	Admin Name:	KWAN, SHAN
Is Source Ind:	No	Phone No:	626-744-4416
Facility Type Cd:	TP	Phone Ext No:	-

Wells and Additional Sources Detail Report

Facility Type Desc:	Treatment Plant	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	626-744-4670
Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NET
Availability Code:	-	Avlblty Desc:	-
Water Type Code:	-	Wtr Tp Desc:	-
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	L	Owner Type:	Local government
PWS Type Code:	CWS	PWS Type:	Community water system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	SWP	Primary Srce:	Surface water purchased
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	165,740
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	36314
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Slr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	031
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qtr:	2016Q1		

--Details--

Treatment ID:	7395
Treatment Process Code:	600
Treatment Process:	Rapid Mix
Treatment Objective Code:	I
Treatment Objective:	Inorganics removal
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	RAPID MIX
Treatment ID:	7394
Treatment Process Code:	403
Treatment Process:	Gaseous Chlorination, Pre
Treatment Objective Code:	D

Wells and Additional Sources Detail Report

Treatment Objective: Disinfection
 Treatment Plant City: -
 Treatment Plant State: -
 Treatment Plant Addr 1: -
 Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: GASEOUS CHLORINATION, PRE

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910124	Pop Cat 11:	100,001-250,000
Facility ID:	9283	Pop Cat 11 Cd:	8
Facility Name:	WOODBURY	Pop Cat 2:	10,000+
EPA Region Code:	09	Pop Cat 2 Cd:	2
EPA Region:	Region 9	Pop Cat 3:	3,301-50,000
Season Begin Date:	-	Pop Cat 3 Cd:	3
Season End Date:	-	Pop Cat 4:	100K+
Deactivation Date:	-	Pop Cat 4 Cd:	4
Fac Deactivtn Dt:	-	Pop Cat 5:	>100,000
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	5
Last Rptd Date:	01-APR-16	ORG Name:	KWAN, SHAN
Primacy Agency:	California	Admin Name:	KWAN, SHAN
Is Source Ind:	Yes	Phone No:	626-744-4416
Facility Type Cd:	WL	Phone Ext No:	-
Facility Type Desc:	Well	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	626-744-4670
Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NET
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	L	Owner Type:	Local government
PWS Type Code:	CWS	PWS Type:	Community water system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	SWP	Primary Srce:	Surface water purchased
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	165,740
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	36314
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Slr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-

Wells and Additional Sources Detail Report

Source Treated Ind:	Y	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	023
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qtr:	2016Q1		

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-
Treatment Objective Code:	-
Treatment Objective:	-
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910124	Pop Cat 11:	100,001-250,000
Facility ID:	CA1910124050	Pop Cat 11 Cd:	8
Facility Name:	MHTS-TREATED EFFL. BEFORE DISINFECTION	Pop Cat 2:	10,000+
EPA Region Code:	09	Pop Cat 2 Cd:	2
EPA Region:	Region 9	Pop Cat 3:	3,301-50,000
Season Begin Date:	-	Pop Cat 3 Cd:	3
Season End Date:	-	Pop Cat 4:	100K+
Deactivation Date:	-	Pop Cat 4 Cd:	4
Fac Deactvtn Dt:	-	Pop Cat 5:	>100,000
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	5
Last Rptd Date:	18-DEC-13	ORG Name:	KWAN, SHAN
Primacy Agency:	California	Admin Name:	KWAN, SHAN
Is Source Ind:	No	Phone No:	626-744-4416
Facility Type Cd:	TP	Phone Ext No:	-
Facility Type Desc:	Treatment Plant	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	626-744-4670
Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NE T
Availability Code:	-	Avlblty Desc:	-
Water Type Code:	-	Wtr Tp Desc:	-
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active

Wells and Additional Sources Detail Report

Filtrtn Status Cd: -	Filt Stat Desc: -
GW or SW Code: SW	GW or SS: Surface water
LT2 Sch Ctgry Cd: -	LT2 Sched Ctg: -
Owner Type Code: L	Owner Type: Local government
PWS Type Code: CWS	PWS Type: Community water system
Primcy Agency Cd: CA	Primacy Type: State
Primary Source Cd: SW	Primary Srce: Surface water
Seller Treatmnt Cd: -	Seller Trt Dsc: -
Submsn Status Cd: Y	Sub Stat Dsc: Unreported
Subms Sts Cd Vio: U	Pop Srvd Cnt: 161,259
Is Grant Eligible: Yes	Srv Cnctn Cnt: 37355
Outstndng Perfrm: -	Seller PWSID: -
Outstndng Perf Dt: -	Slr PWS Nm: -
Schl or Dycare: No	CDS ID: -
Source Treated Ind: -	Country Code: US
Src Wtr Protected: -	Cntry Nm BTP: -
Src Wtr Prot Dt: -	State Code: CA
NPM Candidate: Yes	State Fac ID: -
Is Wholesaler: No	Sub Quarter: 4
Submission Year: 2013	Validity Ind: No
Submission Yr Qtr: 2013Q4	

--Details--

Treatment ID: -

Treatment Process Code: -

Treatment Process: -

Treatment Objective Code: -

Treatment Objective: -

Treatment Plant City: -

Treatment Plant State: -

Treatment Plant Addr 1: -

Treatment Plant Addr 2: -

Treatment Plant Zip Code: -

Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID: CA1910124	Pop Cat 11: 100,001-250,000
Facility ID: 28397	Pop Cat 11 Cd: 8
Facility Name: CASITAS - MONITORING SITE	Pop Cat 2: 10,000+
EPA Region Code: 09	Pop Cat 2 Cd: 2
EPA Region: Region 9	Pop Cat 3: 3,301-50,000
Season Begin Date: -	Pop Cat 3 Cd: 3
Season End Date: -	Pop Cat 4: 100K+
Deactivation Date: -	Pop Cat 4 Cd: 4

Wells and Additional Sources Detail Report

Fac Deactvtn Dt:	-	Pop Cat 5:	>100,000
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	5
Last Rptd Date:	01-APR-16	ORG Name:	KWAN, SHAN
Primacy Agency:	California	Admin Name:	KWAN, SHAN
Is Source Ind:	No	Phone No:	626-744-4416
Facility Type Cd:	SS	Phone Ext No:	-
Facility Type Desc:	Sampling Station	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	626-744-4670
Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NET
Availability Code:	-	Avlblty Desc:	-
Water Type Code:	-	Wtr Tp Desc:	-
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgy Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	L	Owner Type:	Local government
PWS Type Code:	CWS	PWS Type:	Community water system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	SWP	Primary Srce:	Surface water purchased
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	165,740
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	36314
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Sllr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	004
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qtr:	2016Q1		

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-
Treatment Objective Code:	-
Treatment Objective:	-
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-

Wells and Additional Sources Detail Report

Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910124	Pop Cat 11:	100,001-250,000
Facility ID:	28395	Pop Cat 11 Cd:	8
Facility Name:	ARROYO SECO CYN STREAM - RAW - INACTIVE	Pop Cat 2:	10,000+
EPA Region Code:	09	Pop Cat 2 Cd:	2
EPA Region:	Region 9	Pop Cat 3:	3,301-50,000
Season Begin Date:	-	Pop Cat 3 Cd:	3
Season End Date:	-	Pop Cat 4:	100K+
Deactivation Date:	-	Pop Cat 4 Cd:	4
Fac Deactvtn Dt:	01-JUL-95	Pop Cat 5:	>100,000
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	5
Last Rptd Date:	01-APR-16	ORG Name:	KWAN, SHAN
Primacy Agency:	California	Admin Name:	KWAN, SHAN
Is Source Ind:	Yes	Phone No:	626-744-4416
Facility Type Cd:	IN	Phone Ext No:	-
Facility Type Desc:	Intake	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	626-744-4670
Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NET
Availability Code:	O	Avlblty Desc:	Other
Water Type Code:	SW	Wtr Tp Desc:	Surface water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	I	Fac Activity:	Inactive
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgy Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	L	Owner Type:	Local government
PWS Type Code:	CWS	PWS Type:	Community water system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	SWP	Primary Srce:	Surface water purchased
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	165,740
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	36314
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Slr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	002
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes

Wells and Additional Sources Detail Report

Submission Yr Qtr: 2016Q1

--Details--

Treatment ID: -
 Treatment Process Code: -
 Treatment Process: -
 Treatment Objective Code: -
 Treatment Objective: -
 Treatment Plant City: -
 Treatment Plant State: -
 Treatment Plant Addr 1: -
 Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910124	Pop Cat 11:	100,001-250,000
Facility ID:	28401	Pop Cat 11 Cd:	8
Facility Name:	MILLARD CANYON STREAM - RAW - ABANDONED	Pop Cat 2:	10,000+
EPA Region Code:	09	Pop Cat 2 Cd:	2
EPA Region:	Region 9	Pop Cat 3:	3,301-50,000
Season Begin Date:	-	Pop Cat 3 Cd:	3
Season End Date:	-	Pop Cat 4:	100K+
Deactivation Date:	-	Pop Cat 4 Cd:	4
Fac Deactvtn Dt:	01-JUL-95	Pop Cat 5:	>100,000
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	5
Last Rptd Date:	01-APR-16	ORG Name:	KWAN, SHAN
Primacy Agency:	California	Admin Name:	KWAN, SHAN
Is Source Ind:	Yes	Phone No:	626-744-4416
Facility Type Cd:	IN	Phone Ext No:	-
Facility Type Desc:	Intake	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	626-744-4670
Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NET
Availability Code:	O	Avlblty Desc:	Other
Water Type Code:	SW	Wtr Tp Desc:	Surface water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	I	Fac Activity:	Inactive
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	L	Owner Type:	Local government
PWS Type Code:	CWS	PWS Type:	Community water system
Primcy Agency Cd:	CA	Primacy Type:	State

Wells and Additional Sources Detail Report

Primary Source Cd:	SWP	Primary Srce:	Surface water purchased
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	165,740
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	36314
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Sllr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	013
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qtr:	2016Q1		

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-
Treatment Objective Code:	-
Treatment Objective:	-
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910411	Pop Cat 11:	<=100
Facility ID:	1	Pop Cat 11 Cd:	1
Facility Name:	WELL	Pop Cat 2:	<10,000
EPA Region Code:	09	Pop Cat 2 Cd:	1
EPA Region:	Region 9	Pop Cat 3:	<=3300
Season Begin Date:	01-01	Pop Cat 3 Cd:	1
Season End Date:	12-31	Pop Cat 4:	<10K
Deactivation Date:	01-NOV-93	Pop Cat 4 Cd:	1
Fac Deactvtn Dt:	01-NOV-93	Pop Cat 5:	<=500
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	1
Last Rptd Date:	24-JUL-95	ORG Name:	-
Primacy Agency:	California	Admin Name:	USFS ANGELES NF
Is Source Ind:	Yes	Phone No:	-
Facility Type Cd:	WL	Phone Ext No:	-

Wells and Additional Sources Detail Report

Facility Type Desc:	Well	Alt Phone No:	-
Activity Status Cd:	I	Fax No:	-
Activity Status:	Inactive	Email Addr:	-
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	I	Fac Activity:	Inactive
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	GW	GW or SS:	Groundwater
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	F	Owner Type:	Federal government
PWS Type Code:	TNCWS	PWS Type:	Transient non-community system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	GW	Primary Srce:	Ground water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	25
Is Grant Eligible:	No	Srv Cnctn Cnt:	0
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Slr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	Y	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	No	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qtr:	2016Q1		

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-
Treatment Objective Code:	-
Treatment Objective:	-
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910432	Pop Cat 11:	<=100
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Wells and Additional Sources Detail Report

Facility ID:	1T	Pop Cat 11 Cd:	1
Facility Name:	SPRING	Pop Cat 2:	<10,000
EPA Region Code:	09	Pop Cat 2 Cd:	1
EPA Region:	Region 9	Pop Cat 3:	<=3300
Season Begin Date:	01-01	Pop Cat 3 Cd:	1
Season End Date:	12-31	Pop Cat 4:	<10K
Deactivation Date:	01-NOV-93	Pop Cat 4 Cd:	1
Fac Deactvtn Dt:	01-NOV-93	Pop Cat 5:	<=500
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	1
Last Rptd Date:	24-JUL-95	ORG Name:	-
Primacy Agency:	California	Admin Name:	USFS ANGELES NF
Is Source Ind:	No	Phone No:	-
Facility Type Cd:	TP	Phone Ext No:	-
Facility Type Desc:	Treatment Plant	Alt Phone No:	-
Activity Status Cd:	I	Fax No:	-
Activity Status:	Inactive	Email Addr:	-
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	I	Fac Activity:	Inactive
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	GW	GW or SS:	Groundwater
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	F	Owner Type:	Federal government
PWS Type Code:	TNCWS	PWS Type:	Transient non-community system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	GW	Primary Srce:	Ground water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	25
Is Grant Eligible:	No	Srv Cnctn Cnt:	0
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Slr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	No	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qtr:	2016Q1		

--Details--

Treatment ID:	11
Treatment Process Code:	461
Treatment Process:	Chlorination (FRDS-1.5)
Treatment Objective Code:	D

Wells and Additional Sources Detail Report

Treatment Objective:	Disinfection
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-
Treatment ID:	5
Treatment Process Code:	473
Treatment Process:	Converted (FRDS-1.5)
Treatment Objective Code:	C
Treatment Objective:	Corrosion control
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-
Treatment ID:	4
Treatment Process Code:	348
Treatment Process:	Filtered
Treatment Objective Code:	P
Treatment Objective:	Particulate removal
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910124	Pop Cat 11:	100,001-250,000
Facility ID:	20335	Pop Cat 11 Cd:	8
Facility Name:	ARROYO WELL	Pop Cat 2:	10,000+
EPA Region Code:	09	Pop Cat 2 Cd:	2
EPA Region:	Region 9	Pop Cat 3:	3,301-50,000
Season Begin Date:	-	Pop Cat 3 Cd:	3
Season End Date:	-	Pop Cat 4:	100K+
Deactivation Date:	-	Pop Cat 4 Cd:	4
Fac Deactvtn Dt:	-	Pop Cat 5:	>100,000
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	5
Last Rptd Date:	01-APR-16	ORG Name:	KWAN, SHAN

Wells and Additional Sources Detail Report

Primacy Agency:	California	Admin Name:	KWAN, SHAN
Is Source Ind:	Yes	Phone No:	626-744-4416
Facility Type Cd:	WL	Phone Ext No:	-
Facility Type Desc:	Well	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	626-744-4670
Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NET
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	L	Owner Type:	Local government
PWS Type Code:	CWS	PWS Type:	Community water system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	SWP	Primary Srce:	Surface water purchased
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	165,740
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	36314
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Slr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	Y	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	001
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	No
Submission Yr Qtr:	2016Q1		

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-
Treatment Objective Code:	-
Treatment Objective:	-
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
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Wells and Additional Sources Detail Report

2	NE	0.48	2,539.22	830.34	SDWIS
PWS ID:	CA1910124	Pop Cat 11:	100,001-250,000		
Facility ID:	47	Pop Cat 11 Cd:	8		
Facility Name:	WELL 59	Pop Cat 2:	10,000+		
EPA Region Code:	09	Pop Cat 2 Cd:	2		
EPA Region:	Region 9	Pop Cat 3:	3,301-50,000		
Season Begin Date:	-	Pop Cat 3 Cd:	3		
Season End Date:	-	Pop Cat 4:	100K+		
Deactivation Date:	-	Pop Cat 4 Cd:	4		
Fac Deactivtn Dt:	-	Pop Cat 5:	>100,000		
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	5		
Last Rptd Date:	18-DEC-13	ORG Name:	KWAN, SHAN		
Primacy Agency:	California	Admin Name:	KWAN, SHAN		
Is Source Ind:	Yes	Phone No:	626-744-4416		
Facility Type Cd:	WL	Phone Ext No:	-		
Facility Type Desc:	Well	Alt Phone No:	-		
Activity Status Cd:	A	Fax No:	626-744-4670		
Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NE T		
Availability Code:	P	Avlblty Desc:	Permanent		
Water Type Code:	GW	Wtr Tp Desc:	Ground water		
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-		
Facility Activity Cd:	A	Fac Activity:	Active		
Filtrtn Status Cd:	-	Filt Stat Desc:	-		
GW or SW Code:	SW	GW or SS:	Surface water		
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-		
Owner Type Code:	L	Owner Type:	Local government		
PWS Type Code:	CWS	PWS Type:	Community water system		
Primcy Agency Cd:	CA	Primacy Type:	State		
Primary Source Cd:	SW	Primary Srce:	Surface water		
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-		
Submsn Status Cd:	Y	Sub Stat Dsc:	Unreported		
Subms Sts Cd Vio:	U	Pop Srvd Cnt:	161,259		
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	37355		
Outstndng Perfrm:	-	Seller PWSID:	-		
Outstndng Perf Dt:	-	Slir PWS Nm:	-		
Schl or Dycare:	No	CDS ID:	-		
Source Treated Ind:	U	Country Code:	US		
Src Wtr Protected:	-	Cntry Nm BTP:	-		
Src Wtr Prot Dt:	-	State Code:	CA		
NPM Candidate:	Yes	State Fac ID:	-		
Is Wholesaler:	No	Sub Quarter:	4		
Submission Year:	2013	Validity Ind:	No		
Submission Yr Qtr:	2013Q4				

--Details--

Wells and Additional Sources Detail Report

Treatment ID: -
 Treatment Process Code: -
 Treatment Process: -
 Treatment Objective Code: -
 Treatment Objective: -
 Treatment Plant City: -
 Treatment Plant State: -
 Treatment Plant Addr 1: -
 Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910124	Pop Cat 11:	100,001-250,000
Facility ID:	CA1910124026	Pop Cat 11 Cd:	8
Facility Name:	AERATION - SOUTH TOWER- INFLUENT-ABANDOND	Pop Cat 2:	10,000+
EPA Region Code:	09	Pop Cat 2 Cd:	2
EPA Region:	Region 9	Pop Cat 3:	3,301-50,000
Season Begin Date:	-	Pop Cat 3 Cd:	3
Season End Date:	-	Pop Cat 4:	100K+
Deactivation Date:	-	Pop Cat 4 Cd:	4
Fac Deactvtn Dt:	01-JAN-01	Pop Cat 5:	>100,000
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	5
Last Rptd Date:	01-APR-16	ORG Name:	KWAN, SHAN
Primacy Agency:	California	Admin Name:	KWAN, SHAN
Is Source Ind:	Yes	Phone No:	626-744-4416
Facility Type Cd:	WL	Phone Ext No:	-
Facility Type Desc:	Well	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	626-744-4670
Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NE T
Availability Code:	O	Avlblty Desc:	Other
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	I	Fac Activity:	Inactive
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	L	Owner Type:	Local government
PWS Type Code:	CWS	PWS Type:	Community water system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	SWP	Primary Srce:	Surface water purchased
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted

Wells and Additional Sources Detail Report

Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	165,740
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	36314
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Sllr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qtr:	2016Q1		

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-
Treatment Objective Code:	-
Treatment Objective:	-
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910124	Pop Cat 11:	100,001-250,000
Facility ID:	CA1910124035	Pop Cat 11 Cd:	8
Facility Name:	MWD CONNECTION, P-3 - TREATED	Pop Cat 2:	10,000+
EPA Region Code:	09	Pop Cat 2 Cd:	2
EPA Region:	Region 9	Pop Cat 3:	3,301-50,000
Season Begin Date:	-	Pop Cat 3 Cd:	3
Season End Date:	-	Pop Cat 4:	100K+
Deactivation Date:	-	Pop Cat 4 Cd:	4
Fac Deactvtn Dt:	-	Pop Cat 5:	>100,000
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	5
Last Rptd Date:	18-DEC-13	ORG Name:	KWAN, SHAN
Primacy Agency:	California	Admin Name:	KWAN, SHAN
Is Source Ind:	Yes	Phone No:	626-744-4416
Facility Type Cd:	CC	Phone Ext No:	-
Facility Type Desc:	Consecutive Connection	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	626-744-4670
Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NE

Wells and Additional Sources Detail Report

Availability Code:	P	Avlblty Desc:	T
Water Type Code:	SW	Wtr Tp Desc:	Surface water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	L	Owner Type:	Local government
PWS Type Code:	CWS	PWS Type:	Community water system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	SW	Primary Srce:	Surface water
Seller Treatmnt Cd:	N	Seller Trt Dsc:	Not treated
Submsn Status Cd:	Y	Sub Stat Dsc:	Unreported
Subms Sts Cd Vio:	U	Pop Srvd Cnt:	161,259
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	37355
Outstndng Perfrm:	-	Seller PWSID:	CA1910087
Outstndng Perf Dt:	-	Slr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	4
Submission Year:	2013	Validity Ind:	No
Submission Yr Qtr:	2013Q4		

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-
Treatment Objective Code:	-
Treatment Objective:	-
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910413	Pop Cat 11:	<=100
Facility ID:	1T	Pop Cat 11 Cd:	1
Facility Name:	STREAM	Pop Cat 2:	<10,000

Wells and Additional Sources Detail Report

EPA Region Code:	09	Pop Cat 2 Cd:	1
EPA Region:	Region 9	Pop Cat 3:	<=3300
Season Begin Date:	01-01	Pop Cat 3 Cd:	1
Season End Date:	12-31	Pop Cat 4:	<10K
Deactivation Date:	01-NOV-93	Pop Cat 4 Cd:	1
Fac Deactivtn Dt:	01-NOV-93	Pop Cat 5:	<=500
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	1
Last Rptd Date:	24-JUL-95	ORG Name:	-
Primacy Agency:	California	Admin Name:	USFS ANGELES NF
Is Source Ind:	No	Phone No:	-
Facility Type Cd:	TP	Phone Ext No:	-
Facility Type Desc:	Treatment Plant	Alt Phone No:	-
Activity Status Cd:	I	Fax No:	-
Activity Status:	Inactive	Email Addr:	-
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	SW	Wtr Tp Desc:	Surface water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	I	Fac Activity:	Inactive
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	F	Owner Type:	Federal government
PWS Type Code:	TNCWS	PWS Type:	Transient non-community system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	SW	Primary Srce:	Surface water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	25
Is Grant Eligible:	No	Srv Cnctn Cnt:	0
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Sllr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	No	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qtr:	2016Q1		

--Details--

Treatment ID:	11
Treatment Process Code:	461
Treatment Process:	Chlorination (FRDS-1.5)
Treatment Objective Code:	D
Treatment Objective:	Disinfection
Treatment Plant City:	-

Wells and Additional Sources Detail Report

Treatment Plant State: -
 Treatment Plant Addr 1: -
 Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: -

Treatment ID: 4
 Treatment Process Code: 348
 Treatment Process: Filtered
 Treatment Objective Code: P
 Treatment Objective: Particulate removal
 Treatment Plant City: -
 Treatment Plant State: -
 Treatment Plant Addr 1: -
 Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: -

Treatment ID: 5
 Treatment Process Code: 473
 Treatment Process: Converted (FRDS-1.5)
 Treatment Objective Code: C
 Treatment Objective: Corrosion control
 Treatment Plant City: -
 Treatment Plant State: -
 Treatment Plant Addr 1: -
 Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910425	Pop Cat 11:	<=100
Facility ID:	1T	Pop Cat 11 Cd:	1
Facility Name:	WELL	Pop Cat 2:	<10,000
EPA Region Code:	09	Pop Cat 2 Cd:	1
EPA Region:	Region 9	Pop Cat 3:	<=3300
Season Begin Date:	01-01	Pop Cat 3 Cd:	1
Season End Date:	12-31	Pop Cat 4:	<10K
Deactivation Date:	01-NOV-93	Pop Cat 4 Cd:	1
Fac Deactvtn Dt:	01-NOV-93	Pop Cat 5:	<=500
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	1
Last Rptd Date:	24-JUL-95	ORG Name:	-
Primacy Agency:	California	Admin Name:	USFS ANGELES NF
Is Source Ind:	No	Phone No:	-

Wells and Additional Sources Detail Report

Facility Type Cd:	TP	Phone Ext No:	-
Facility Type Desc:	Treatment Plant	Alt Phone No:	-
Activity Status Cd:	I	Fax No:	-
Activity Status:	Inactive	Email Addr:	-
Availability Code:	P	Avlbly Desc:	Permanent
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	I	Fac Activity:	Inactive
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	GW	GW or SS:	Groundwater
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	F	Owner Type:	Federal government
PWS Type Code:	TNCWS	PWS Type:	Transient non-community system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	GW	Primary Srce:	Ground water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	25
Is Grant Eligible:	No	Srv Cnctn Cnt:	0
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Slr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	No	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qtr:	2016Q1		

--Details--

Treatment ID:	11
Treatment Process Code:	461
Treatment Process:	Chlorination (FRDS-1.5)
Treatment Objective Code:	D
Treatment Objective:	Disinfection
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Treatment ID:	5
Treatment Process Code:	473
Treatment Process:	Converted (FRDS-1.5)
Treatment Objective	C

Wells and Additional Sources Detail Report

Code:

Treatment Objective: Corrosion control
 Treatment Plant City: -
 Treatment Plant State: -
 Treatment Plant Addr 1: -
 Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: -

Treatment ID: 4
 Treatment Process Code: 348
 Treatment Process: Filtered
 Treatment Objective Code: P
 Treatment Objective: Particulate removal
 Treatment Plant City: -
 Treatment Plant State: -
 Treatment Plant Addr 1: -
 Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910124	Pop Cat 11:	100,001-250,000
Facility ID:	7241	Pop Cat 11 Cd:	8
Facility Name:	EATON WELL - CHLORINATION - STANDBY	Pop Cat 2:	10,000+
EPA Region Code:	09	Pop Cat 2 Cd:	2
EPA Region:	Region 9	Pop Cat 3:	3,301-50,000
Season Begin Date:	-	Pop Cat 3 Cd:	3
Season End Date:	-	Pop Cat 4:	100K+
Deactivation Date:	-	Pop Cat 4 Cd:	4
Fac Deactvtn Dt:	-	Pop Cat 5:	>100,000
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	5
Last Rptd Date:	01-APR-16	ORG Name:	KWAN, SHAN
Primacy Agency:	California	Admin Name:	KWAN, SHAN
Is Source Ind:	No	Phone No:	626-744-4416
Facility Type Cd:	TP	Phone Ext No:	-
Facility Type Desc:	Treatment Plant	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	626-744-4670
Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NE T
Availability Code:	-	Avlblty Desc:	-
Water Type Code:	-	Wtr Tp Desc:	-
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active

Wells and Additional Sources Detail Report

Filtrtn Status Cd: -	Filt Stat Desc: -
GW or SW Code: SW	GW or SS: Surface water
LT2 Sch Ctgry Cd: -	LT2 Sched Ctg: -
Owner Type Code: L	Owner Type: Local government
PWS Type Code: CWS	PWS Type: Community water system
Primcy Agency Cd: CA	Primacy Type: State
Primary Source Cd: SWP	Primary Srce: Surface water purchased
Seller Treatmnt Cd: -	Seller Trt Dsc: -
Submsn Status Cd: Y	Sub Stat Dsc: Reported and accepted
Subms Sts Cd Vio: Y	Pop Srvd Cnt: 165,740
Is Grant Eligible: Yes	Srv Cnctn Cnt: 36314
Outstndng Perfrm: -	Seller PWSID: -
Outstndng Perf Dt: -	Slr PWS Nm: -
Schl or Dycare: No	CDS ID: -
Source Treated Ind: -	Country Code: US
Src Wtr Protected: -	Cntry Nm BTP: -
Src Wtr Prot Dt: -	State Code: CA
NPM Candidate: Yes	State Fac ID: 040
Is Wholesaler: No	Sub Quarter: 1
Submission Year: 2016	Validity Ind: Yes
Submission Yr Qtr: 2016Q1	

--Details--

Treatment ID: 7410
 Treatment Process Code: 401
 Treatment Process: Gaseous Chlorination, Post
 Treatment Objective Code: D
 Treatment Objective: Disinfection
 Treatment Plant City: -
 Treatment Plant State: -
 Treatment Plant Addr 1: -
 Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: GASEOUS CHLORINATION, POST

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID: CA1910124	Pop Cat 11: 100,001-250,000
Facility ID: 9303	Pop Cat 11 Cd: 8
Facility Name: COPELIN	Pop Cat 2: 10,000+
EPA Region Code: 09	Pop Cat 2 Cd: 2
EPA Region: Region 9	Pop Cat 3: 3,301-50,000
Season Begin Date: -	Pop Cat 3 Cd: 3
Season End Date: -	Pop Cat 4: 100K+
Deactivation Date: -	Pop Cat 4 Cd: 4

Wells and Additional Sources Detail Report

Fac Deactvtn Dt:	-	Pop Cat 5:	>100,000
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	5
Last Rptd Date:	01-APR-16	ORG Name:	KWAN, SHAN
Primacy Agency:	California	Admin Name:	KWAN, SHAN
Is Source Ind:	Yes	Phone No:	626-744-4416
Facility Type Cd:	WL	Phone Ext No:	-
Facility Type Desc:	Well	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	626-744-4670
Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NET
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	L	Owner Type:	Local government
PWS Type Code:	CWS	PWS Type:	Community water system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	SWP	Primary Srce:	Surface water purchased
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	165,740
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	36314
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Sllr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	Y	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	006
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qtr:	2016Q1		

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-
Treatment Objective Code:	-
Treatment Objective:	-
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-

Wells and Additional Sources Detail Report

Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910124	Pop Cat 11:	100,001-250,000
Facility ID:	9311	Pop Cat 11 Cd:	8
Facility Name:	SUNSET	Pop Cat 2:	10,000+
EPA Region Code:	09	Pop Cat 2 Cd:	2
EPA Region:	Region 9	Pop Cat 3:	3,301-50,000
Season Begin Date:	-	Pop Cat 3 Cd:	3
Season End Date:	-	Pop Cat 4:	100K+
Deactivation Date:	-	Pop Cat 4 Cd:	4
Fac Deactvtn Dt:	-	Pop Cat 5:	>100,000
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	5
Last Rptd Date:	01-APR-16	ORG Name:	KWAN, SHAN
Primacy Agency:	California	Admin Name:	KWAN, SHAN
Is Source Ind:	Yes	Phone No:	626-744-4416
Facility Type Cd:	WL	Phone Ext No:	-
Facility Type Desc:	Well	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	626-744-4670
Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NET
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	L	Owner Type:	Local government
PWS Type Code:	CWS	PWS Type:	Community water system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	SWP	Primary Srce:	Surface water purchased
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	165,740
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	36314
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Sllr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	Y	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	018
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes

Wells and Additional Sources Detail Report

Submission Yr Qtr: 2016Q1

--Details--

Treatment ID: -
 Treatment Process Code: -
 Treatment Process: -
 Treatment Objective Code: -
 Treatment Objective: -
 Treatment Plant City: -
 Treatment Plant State: -
 Treatment Plant Addr 1: -
 Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910124	Pop Cat 11:	100,001-250,000
Facility ID:	CA1910124002	Pop Cat 11 Cd:	8
Facility Name:	ARROYO SECO CYN STREAM - RAW - INACTIVE	Pop Cat 2:	10,000+
EPA Region Code:	09	Pop Cat 2 Cd:	2
EPA Region:	Region 9	Pop Cat 3:	3,301-50,000
Season Begin Date:	-	Pop Cat 3 Cd:	3
Season End Date:	-	Pop Cat 4:	100K+
Deactivation Date:	-	Pop Cat 4 Cd:	4
Fac Deactvtn Dt:	01-JAN-01	Pop Cat 5:	>100,000
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	5
Last Rptd Date:	01-APR-16	ORG Name:	KWAN, SHAN
Primacy Agency:	California	Admin Name:	KWAN, SHAN
Is Source Ind:	Yes	Phone No:	626-744-4416
Facility Type Cd:	RS	Phone Ext No:	-
Facility Type Desc:	Reservoir	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	626-744-4670
Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NET
Availability Code:	O	Avlblty Desc:	Other
Water Type Code:	SW	Wtr Tp Desc:	Surface water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	I	Fac Activity:	Inactive
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	L	Owner Type:	Local government
PWS Type Code:	CWS	PWS Type:	Community water system
Primcy Agency Cd:	CA	Primacy Type:	State

Wells and Additional Sources Detail Report

Primary Source Cd:	SWP	Primary Srce:	Surface water purchased
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	165,740
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	36314
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Sllr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qtr:	2016Q1		

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-
Treatment Objective Code:	-
Treatment Objective:	-
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910124	Pop Cat 11:	100,001-250,000
Facility ID:	CA1910124028	Pop Cat 11 Cd:	8
Facility Name:	BANGHAM	Pop Cat 2:	10,000+
EPA Region Code:	09	Pop Cat 2 Cd:	2
EPA Region:	Region 9	Pop Cat 3:	3,301-50,000
Season Begin Date:	-	Pop Cat 3 Cd:	3
Season End Date:	-	Pop Cat 4:	100K+
Deactivation Date:	-	Pop Cat 4 Cd:	4
Fac Deactvtn Dt:	-	Pop Cat 5:	>100,000
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	5
Last Rptd Date:	18-DEC-13	ORG Name:	KWAN, SHAN
Primacy Agency:	California	Admin Name:	KWAN, SHAN
Is Source Ind:	Yes	Phone No:	626-744-4416
Facility Type Cd:	WL	Phone Ext No:	-

Wells and Additional Sources Detail Report

Facility Type Desc:	Well	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	626-744-4670
Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NET
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	L	Owner Type:	Local government
PWS Type Code:	CWS	PWS Type:	Community water system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	SW	Primary Srce:	Surface water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Unreported
Subms Sts Cd Vio:	U	Pop Srvd Cnt:	161,259
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	37355
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Slr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	4
Submission Year:	2013	Validity Ind:	No
Submission Yr Qtr:	2013Q4		

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-
Treatment Objective Code:	-
Treatment Objective:	-
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910454	Pop Cat 11:	<=100
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Wells and Additional Sources Detail Report

Facility ID:	1T	Pop Cat 11 Cd:	1
Facility Name:	WELL	Pop Cat 2:	<10,000
EPA Region Code:	09	Pop Cat 2 Cd:	1
EPA Region:	Region 9	Pop Cat 3:	<=3300
Season Begin Date:	01-01	Pop Cat 3 Cd:	1
Season End Date:	12-31	Pop Cat 4:	<10K
Deactivation Date:	01-NOV-93	Pop Cat 4 Cd:	1
Fac Deactvtn Dt:	01-NOV-93	Pop Cat 5:	<=500
First Rptd Dt:	27-JAN-83	Pop Cat 5 Cd:	1
Last Rptd Date:	24-JUL-95	ORG Name:	-
Primacy Agency:	California	Admin Name:	USFS ANGELES NF
Is Source Ind:	No	Phone No:	-
Facility Type Cd:	TP	Phone Ext No:	-
Facility Type Desc:	Treatment Plant	Alt Phone No:	-
Activity Status Cd:	I	Fax No:	-
Activity Status:	Inactive	Email Addr:	-
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	I	Fac Activity:	Inactive
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	GW	GW or SS:	Groundwater
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	F	Owner Type:	Federal government
PWS Type Code:	TNCWS	PWS Type:	Transient non-community system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	GW	Primary Srce:	Ground water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	25
Is Grant Eligible:	No	Srv Cnctn Cnt:	0
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Slr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	No	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qtr:	2016Q1		

--Details--

Treatment ID:	5
Treatment Process Code:	473
Treatment Process:	Converted (FRDS-1.5)
Treatment Objective Code:	C

Wells and Additional Sources Detail Report

Treatment Objective: Corrosion control
 Treatment Plant City: -
 Treatment Plant State: -
 Treatment Plant Addr 1: -
 Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: -

Treatment ID: 4
 Treatment Process Code: 348
 Treatment Process: Filtered
 Treatment Objective Code: P
 Treatment Objective: Particulate removal
 Treatment Plant City: -
 Treatment Plant State: -
 Treatment Plant Addr 1: -
 Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: -

Treatment ID: 11
 Treatment Process Code: 461
 Treatment Process: Chlorination (FRDS-1.5)
 Treatment Objective Code: D
 Treatment Objective: Disinfection
 Treatment Plant City: -
 Treatment Plant State: -
 Treatment Plant Addr 1: -
 Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

PWS ID:	CA1910422	Pop Cat 11:	<=100
Facility ID:	1	Pop Cat 11 Cd:	1
Facility Name:	SPRING	Pop Cat 2:	<10,000
EPA Region Code:	09	Pop Cat 2 Cd:	1
EPA Region:	Region 9	Pop Cat 3:	<=3300
Season Begin Date:	01-01	Pop Cat 3 Cd:	1
Season End Date:	12-31	Pop Cat 4:	<10K
Deactivation Date:	01-NOV-93	Pop Cat 4 Cd:	1
Fac Deactivtn Dt:	01-NOV-93	Pop Cat 5:	<=500
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	1
Last Rptd Date:	24-JUL-95	ORG Name:	-

Wells and Additional Sources Detail Report

Primacy Agency:	California	Admin Name:	USFS ANGELES NF
Is Source Ind:	Yes	Phone No:	-
Facility Type Cd:	WL	Phone Ext No:	-
Facility Type Desc:	Well	Alt Phone No:	-
Activity Status Cd:	I	Fax No:	-
Activity Status:	Inactive	Email Addr:	-
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	I	Fac Activity:	Inactive
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	GW	GW or SS:	Groundwater
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	F	Owner Type:	Federal government
PWS Type Code:	TNCWS	PWS Type:	Transient non-community system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	GW	Primary Srce:	Ground water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	25
Is Grant Eligible:	No	Srv Cnctn Cnt:	0
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	SIlr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	Y	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	No	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qtr:	2016Q1		

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-
Treatment Objective Code:	-
Treatment Objective:	-
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.48	2,539.22	830.34	SDWIS

Wells and Additional Sources Detail Report

PWS ID:	CA1910124	Pop Cat 11:	100,001-250,000
Facility ID:	91	Pop Cat 11 Cd:	8
Facility Name:	AERATION TOWERS EFFLUENT - ABANDONED	Pop Cat 2:	10,000+
EPA Region Code:	09	Pop Cat 2 Cd:	2
EPA Region:	Region 9	Pop Cat 3:	3,301-50,000
Season Begin Date:	-	Pop Cat 3 Cd:	3
Season End Date:	-	Pop Cat 4:	100K+
Deactivation Date:	-	Pop Cat 4 Cd:	4
Fac Deactvtn Dt:	01-JUL-95	Pop Cat 5:	>100,000
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	5
Last Rptd Date:	01-APR-16	ORG Name:	KWAN, SHAN
Primacy Agency:	California	Admin Name:	KWAN, SHAN
Is Source Ind:	No	Phone No:	626-744-4416
Facility Type Cd:	TP	Phone Ext No:	-
Facility Type Desc:	Treatment Plant	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	626-744-4670
Activity Status:	Active	Email Addr:	SKWAN@CITYOFPASADENA.NET
Availability Code:	-	Avlblty Desc:	-
Water Type Code:	-	Wtr Tp Desc:	-
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	I	Fac Activity:	Inactive
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgr Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	L	Owner Type:	Local government
PWS Type Code:	CWS	PWS Type:	Community water system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	SWP	Primary Srce:	Surface water purchased
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	165,740
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	36314
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Sllr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	027
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qtr:	2016Q1		

--Details--

Treatment ID: -

Wells and Additional Sources Detail Report

Treatment Process Code: -
 Treatment Process: -
 Treatment Objective Code: -
 Treatment Objective: -
 Treatment Plant City: -
 Treatment Plant State: -
 Treatment Plant Addr 1: -
 Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
4	NE	0.64	3,404.07	845.57	SDWIS

PWS ID:	CA3701217	Pop Cat 11:	<=100
Facility ID:	48956	Pop Cat 11 Cd:	1
Facility Name:	WELL 02	Pop Cat 2:	<10,000
EPA Region Code:	09	Pop Cat 2 Cd:	1
EPA Region:	Region 9	Pop Cat 3:	<=3300
Season Begin Date:	01-01	Pop Cat 3 Cd:	1
Season End Date:	12-31	Pop Cat 4:	<10K
Deactivation Date:	-	Pop Cat 4 Cd:	1
Fac Deactivtn Dt:	-	Pop Cat 5:	<=500
First Rptd Dt:	05-JAN-81	Pop Cat 5 Cd:	1
Last Rptd Date:	01-APR-16	ORG Name:	_JONES, CORY
Primacy Agency:	California	Admin Name:	_JONES, CORY
Is Source Ind:	Yes	Phone No:	213-765-0424
Facility Type Cd:	WL	Phone Ext No:	-
Facility Type Desc:	Well	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	-
Activity Status:	Active	Email Addr:	-
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	GW	GW or SS:	Groundwater
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	P	Owner Type:	Private
PWS Type Code:	TNCWS	PWS Type:	Transient non-community system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	GW	Primary Srce:	Ground water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	70
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	5

Wells and Additional Sources Detail Report

Outstanding Perfrm:	-	Seller PWSID:	-
Outstanding Perf Dt:	-	Sllr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	002
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qtr:	2016Q1		

--Details--

Treatment ID: -

Treatment Process Code: -

Treatment Process: -

Treatment Objective Code: -

Treatment Objective: -

Treatment Plant City: -

Treatment Plant State: -

Treatment Plant Addr 1: -

Treatment Plant Addr 2: -

Treatment Plant Zip Code: -

Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
4	NE	0.64	3,404.07	845.57	SDWIS

PWS ID:	CA3701217	Pop Cat 11:	<=100
Facility ID:	38220	Pop Cat 11 Cd:	1
Facility Name:	WELL 01	Pop Cat 2:	<10,000
EPA Region Code:	09	Pop Cat 2 Cd:	1
EPA Region:	Region 9	Pop Cat 3:	<=3300
Season Begin Date:	01-01	Pop Cat 3 Cd:	1
Season End Date:	12-31	Pop Cat 4:	<10K
Deactivation Date:	-	Pop Cat 4 Cd:	1
Fac Deactvtn Dt:	28-JAN-16	Pop Cat 5:	<=500
First Rptd Dt:	05-JAN-81	Pop Cat 5 Cd:	1
Last Rptd Date:	01-APR-16	ORG Name:	_JONES, CORY
Primacy Agency:	California	Admin Name:	_JONES, CORY
Is Source Ind:	Yes	Phone No:	213-765-0424
Facility Type Cd:	WL	Phone Ext No:	-
Facility Type Desc:	Well	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	-
Activity Status:	Active	Email Addr:	-
Availability Code:	O	Avlblty Desc:	Other
Water Type Code:	GW	Wtr Tp Desc:	Ground water

Wells and Additional Sources Detail Report

DBPR Schd Ctg Cd: -	DBPR Schd Ctg: -
Facility Activity Cd: I	Fac Activity: Inactive
Filtrtn Status Cd: -	Filt Stat Desc: -
GW or SW Code: GW	GW or SS: Groundwater
LT2 Sch Ctgry Cd: -	LT2 Sched Ctg: -
Owner Type Code: P	Owner Type: Private
PWS Type Code: TNCWS	PWS Type: Transient non-community system
Primcy Agency Cd: CA	Primacy Type: State
Primary Source Cd: GW	Primary Srce: Ground water
Seller Treatmnt Cd: -	Seller Trt Dsc: -
Submsn Status Cd: Y	Sub Stat Dsc: Reported and accepted
Subms Sts Cd Vio: Y	Pop Srvd Cnt: 70
Is Grant Eligible: Yes	Srv Cnctn Cnt: 5
Outstndng Perfrm: -	Seller PWSID: -
Outstndng Perf Dt: -	Sllr PWS Nm: -
Schl or Dycare: No	CDS ID: -
Source Treated Ind: -	Country Code: US
Src Wtr Protected: -	Cntry Nm BTP: -
Src Wtr Prot Dt: -	State Code: CA
NPM Candidate: Yes	State Fac ID: 001
Is Wholesaler: No	Sub Quarter: 1
Submission Year: 2016	Validity Ind: Yes
Submission Yr Qtr: 2016Q1	

--Details--

Treatment ID: -

Treatment Process Code: -

Treatment Process: -

Treatment Objective Code: -

Treatment Objective: -

Treatment Plant City: -

Treatment Plant State: -

Treatment Plant Addr 1: -

Treatment Plant Addr 2: -

Treatment Plant Zip Code: -

Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
4	NE	0.64	3,404.07	845.57	SDWIS

PWS ID: CA3701217	Pop Cat 11: <=100
Facility ID: CA3701217001	Pop Cat 11 Cd: 1
Facility Name: WELL 01	Pop Cat 2: <10,000
EPA Region Code: 09	Pop Cat 2 Cd: 1
EPA Region: Region 9	Pop Cat 3: <=3300
Season Begin Date: 01-01	Pop Cat 3 Cd: 1

Wells and Additional Sources Detail Report

Season End Date:	12-31	Pop Cat 4:	<10K
Deactivation Date:	-	Pop Cat 4 Cd:	1
Fac Deactvtn Dt:	-	Pop Cat 5:	<=500
First Rptd Dt:	05-JAN-81	Pop Cat 5 Cd:	1
Last Rptd Date:	01-APR-16	ORG Name:	_JONES, CORY
Primacy Agency:	California	Admin Name:	_JONES, CORY
Is Source Ind:	Yes	Phone No:	213-765-0424
Facility Type Cd:	WL	Phone Ext No:	-
Facility Type Desc:	Well	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	-
Activity Status:	Active	Email Addr:	-
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	GW	GW or SS:	Groundwater
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	P	Owner Type:	Private
PWS Type Code:	TNCWS	PWS Type:	Transient non-community system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	GW	Primary Srce:	Ground water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Unreported
Subms Sts Cd Vio:	U	Pop Srvd Cnt:	70
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	5
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Slr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	No
Submission Yr Qtr:	2016Q1		

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-
Treatment Objective Code:	-
Treatment Objective:	-
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-

Wells and Additional Sources Detail Report

Treatment Plant Zip Code: -
Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
4	NE	0.64	3,404.07	845.57	SDWIS

PWS ID:	CA3701217	Pop Cat 11:	<=100
Facility ID:	CA3701217301	Pop Cat 11 Cd:	1
Facility Name:	TREATMENT PLANT 1	Pop Cat 2:	<10,000
EPA Region Code:	09	Pop Cat 2 Cd:	1
EPA Region:	Region 9	Pop Cat 3:	<=3300
Season Begin Date:	01-01	Pop Cat 3 Cd:	1
Season End Date:	12-31	Pop Cat 4:	<10K
Deactivation Date:	-	Pop Cat 4 Cd:	1
Fac Deactivtn Dt:	-	Pop Cat 5:	<=500
First Rptd Dt:	05-JAN-81	Pop Cat 5 Cd:	1
Last Rptd Date:	19-AUG-14	ORG Name:	_JONES, CORY
Primacy Agency:	California	Admin Name:	_JONES, CORY
Is Source Ind:	No	Phone No:	213-765-0424
Facility Type Cd:	TP	Phone Ext No:	-
Facility Type Desc:	Treatment Plant	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	-
Activity Status:	Active	Email Addr:	-
Availability Code:	-	Avlblty Desc:	-
Water Type Code:	-	Wtr Tp Desc:	-
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	GW	GW or SS:	Groundwater
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	P	Owner Type:	Private
PWS Type Code:	TNCWS	PWS Type:	Transient non-community system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	GW	Primary Srce:	Ground water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Unreported
Subms Sts Cd Vio:	U	Pop Srvd Cnt:	70
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	5
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Slr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	3

Wells and Additional Sources Detail Report

Submission Year: 2014 Validity Ind: No
 Submission Yr Qtr: 2014Q3

--Details--

Treatment ID: -
 Treatment Process Code: -
 Treatment Process: -
 Treatment Objective Code: -
 Treatment Objective: -
 Treatment Plant City: -
 Treatment Plant State: -
 Treatment Plant Addr 1: -
 Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
4	NE	0.64	3,404.07	845.57	SDWIS

PWS ID:	CA3701217	Pop Cat 11:	<=100
Facility ID:	56121	Pop Cat 11 Cd:	1
Facility Name:	TREATMENT PLANT 01	Pop Cat 2:	<10,000
EPA Region Code:	09	Pop Cat 2 Cd:	1
EPA Region:	Region 9	Pop Cat 3:	<=3300
Season Begin Date:	01-01	Pop Cat 3 Cd:	1
Season End Date:	12-31	Pop Cat 4:	<10K
Deactivation Date:	-	Pop Cat 4 Cd:	1
Fac Deactivtn Dt:	28-JAN-16	Pop Cat 5:	<=500
First Rptd Dt:	05-JAN-81	Pop Cat 5 Cd:	1
Last Rptd Date:	01-APR-16	ORG Name:	_JONES, CORY
Primacy Agency:	California	Admin Name:	_JONES, CORY
Is Source Ind:	No	Phone No:	213-765-0424
Facility Type Cd:	TP	Phone Ext No:	-
Facility Type Desc:	Treatment Plant	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	-
Activity Status:	Active	Email Addr:	-
Availability Code:	-	Avlblty Desc:	-
Water Type Code:	-	Wtr Tp Desc:	-
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	I	Fac Activity:	Inactive
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	GW	GW or SS:	Groundwater
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	P	Owner Type:	Private
PWS Type Code:	TNCWS	PWS Type:	Transient non-community system
Primcy Agency Cd:	CA	Primacy Type:	State

Wells and Additional Sources Detail Report

Primary Source Cd:	GW	Primary Srce:	Ground water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	70
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	5
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Slr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	301
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qtr:	2016Q1		

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-
Treatment Objective Code:	-
Treatment Objective:	-
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
4	NE	0.64	3,404.07	845.57	SDWIS

PWS ID:	CA3701217	Pop Cat 11:	<=100
Facility ID:	CA3701217002	Pop Cat 11 Cd:	1
Facility Name:	WELL 02	Pop Cat 2:	<10,000
EPA Region Code:	09	Pop Cat 2 Cd:	1
EPA Region:	Region 9	Pop Cat 3:	<=3300
Season Begin Date:	01-01	Pop Cat 3 Cd:	1
Season End Date:	12-31	Pop Cat 4:	<10K
Deactivation Date:	-	Pop Cat 4 Cd:	1
Fac Deactvtn Dt:	-	Pop Cat 5:	<=500
First Rptd Dt:	05-JAN-81	Pop Cat 5 Cd:	1
Last Rptd Date:	01-APR-16	ORG Name:	_JONES, CORY
Primacy Agency:	California	Admin Name:	_JONES, CORY
Is Source Ind:	Yes	Phone No:	213-765-0424
Facility Type Cd:	WL	Phone Ext No:	-

Wells and Additional Sources Detail Report

Facility Type Desc:	Well	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	-
Activity Status:	Active	Email Addr:	-
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	GW	GW or SS:	Groundwater
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	P	Owner Type:	Private
PWS Type Code:	TNCWS	PWS Type:	Transient non-community system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	GW	Primary Srce:	Ground water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Unreported
Subms Sts Cd Vio:	U	Pop Srvd Cnt:	70
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	5
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Slr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	No
Submission Yr Qtr:	2016Q1		

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-
Treatment Objective Code:	-
Treatment Objective:	-
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
4	NE	0.64	3,404.07	845.57	SDWIS

PWS ID:	CA3701217	Pop Cat 11:	<=100
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Wells and Additional Sources Detail Report

Facility ID:	43682	Pop Cat 11 Cd:	1
Facility Name:	DISTRIBUTION SYSTEM	Pop Cat 2:	<10,000
EPA Region Code:	09	Pop Cat 2 Cd:	1
EPA Region:	Region 9	Pop Cat 3:	<=3300
Season Begin Date:	01-01	Pop Cat 3 Cd:	1
Season End Date:	12-31	Pop Cat 4:	<10K
Deactivation Date:	-	Pop Cat 4 Cd:	1
Fac Deactvtn Dt:	-	Pop Cat 5:	<=500
First Rptd Dt:	05-JAN-81	Pop Cat 5 Cd:	1
Last Rptd Date:	01-APR-16	ORG Name:	_JONES, CORY
Primacy Agency:	California	Admin Name:	_JONES, CORY
Is Source Ind:	No	Phone No:	213-765-0424
Facility Type Cd:	DS	Phone Ext No:	-
Facility Type Desc:	Distribution System/Zone	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	-
Activity Status:	Active	Email Addr:	-
Availability Code:	-	Avlblty Desc:	-
Water Type Code:	-	Wtr Tp Desc:	-
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	GW	GW or SS:	Groundwater
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	P	Owner Type:	Private
PWS Type Code:	TNCWS	PWS Type:	Transient non-community system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	GW	Primary Srce:	Ground water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	70
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	5
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Slr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	DST
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qtr:	2016Q1		

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-
Treatment Objective Code:	-

Wells and Additional Sources Detail Report

Treatment Objective: -
 Treatment Plant City: -
 Treatment Plant State: -
 Treatment Plant Addr 1: -
 Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
5	NE	0.67	3,543.35	843.22	SDWIS

PWS ID:	CA3600532	Pop Cat 11:	101-500
Facility ID:	43451	Pop Cat 11 Cd:	2
Facility Name:	DISTRIBUTION SYSTEM	Pop Cat 2:	<10,000
EPA Region Code:	09	Pop Cat 2 Cd:	1
EPA Region:	Region 9	Pop Cat 3:	<=3300
Season Begin Date:	01-01	Pop Cat 3 Cd:	1
Season End Date:	12-31	Pop Cat 4:	<10K
Deactivation Date:	-	Pop Cat 4 Cd:	1
Fac Deactivtn Dt:	-	Pop Cat 5:	<=500
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	1
Last Rptd Date:	01-APR-16	ORG Name:	_LINDSEY, MKE
Primacy Agency:	California	Admin Name:	_LINDSEY, MKE
Is Source Ind:	No	Phone No:	909-866-2268
Facility Type Cd:	DS	Phone Ext No:	-
Facility Type Desc:	Distribution System/Zone	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	-
Activity Status:	Active	Email Addr:	-
Availability Code:	-	Avlblty Desc:	-
Water Type Code:	-	Wtr Tp Desc:	-
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	GW	GW or SS:	Groundwater
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	P	Owner Type:	Private
PWS Type Code:	TNCWS	PWS Type:	Transient non-community system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	GW	Primary Srce:	Ground water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	150
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	1
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Slr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-

Wells and Additional Sources Detail Report

Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	DST
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qtr:	2016Q1		

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-
Treatment Objective Code:	-
Treatment Objective:	-
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
5	NE	0.67	3,543.35	843.22	SDWIS

PWS ID:	CA3600532	Pop Cat 11:	101-500
Facility ID:	1	Pop Cat 11 Cd:	2
Facility Name:	WELL 1	Pop Cat 2:	<10,000
EPA Region Code:	09	Pop Cat 2 Cd:	1
EPA Region:	Region 9	Pop Cat 3:	<=3300
Season Begin Date:	01-01	Pop Cat 3 Cd:	1
Season End Date:	12-31	Pop Cat 4:	<10K
Deactivation Date:	-	Pop Cat 4 Cd:	1
Fac Deactvtn Dt:	-	Pop Cat 5:	<=500
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	1
Last Rptd Date:	18-DEC-13	ORG Name:	Camp Sky Meadows
Primacy Agency:	California	Admin Name:	Mke Lindsey
Is Source Ind:	Yes	Phone No:	9098662268
Facility Type Cd:	WL	Phone Ext No:	-
Facility Type Desc:	Well	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	-
Activity Status:	Active	Email Addr:	mfarrell@dph.sbcounty.gov
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active
Filtrtn Status Cd:	-	Filt Stat Desc:	-

Wells and Additional Sources Detail Report

GW or SW Code:	GW	GW or SS:	Groundwater
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	P	Owner Type:	Private
PWS Type Code:	TNCWS	PWS Type:	Transient non-community system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	GW	Primary Srce:	Ground water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Unreported
Subms Sts Cd Vio:	U	Pop Srvd Cnt:	150
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	1
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Sllr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	U	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	4
Submission Year:	2013	Validity Ind:	No
Submission Yr Qtr:	2013Q4		

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-
Treatment Objective Code:	-
Treatment Objective:	-
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
5	NE	0.67	3,543.35	843.22	SDWIS

PWS ID:	CA3600532	Pop Cat 11:	101-500
Facility ID:	37868	Pop Cat 11 Cd:	2
Facility Name:	WELL 1	Pop Cat 2:	<10,000
EPA Region Code:	09	Pop Cat 2 Cd:	1
EPA Region:	Region 9	Pop Cat 3:	<=3300
Season Begin Date:	01-01	Pop Cat 3 Cd:	1
Season End Date:	12-31	Pop Cat 4:	<10K
Deactivation Date:	-	Pop Cat 4 Cd:	1
Fac Deactvtn Dt:	-	Pop Cat 5:	<=500

Wells and Additional Sources Detail Report

First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	1
Last Rptd Date:	01-APR-16	ORG Name:	_LINDSEY, MKE
Primacy Agency:	California	Admin Name:	_LINDSEY, MKE
Is Source Ind:	Yes	Phone No:	909-866-2268
Facility Type Cd:	WL	Phone Ext No:	-
Facility Type Desc:	Well	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	-
Activity Status:	Active	Email Addr:	-
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	GW	GW or SS:	Groundwater
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	P	Owner Type:	Private
PWS Type Code:	TNCWS	PWS Type:	Transient non-community system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	GW	Primary Srce:	Ground water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	150
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	1
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Slr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	N	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	001
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qtr:	2016Q1		

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-
Treatment Objective Code:	-
Treatment Objective:	-
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Wells and Additional Sources Detail Report

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
5	NE	0.67	3,543.35	843.22	SDWIS

PWS ID:	CA3600532	Pop Cat 11:	101-500
Facility ID:	CA3600532001	Pop Cat 11 Cd:	2
Facility Name:	Well 1	Pop Cat 2:	<10,000
EPA Region Code:	09	Pop Cat 2 Cd:	1
EPA Region:	Region 9	Pop Cat 3:	<=3300
Season Begin Date:	01-01	Pop Cat 3 Cd:	1
Season End Date:	12-31	Pop Cat 4:	<10K
Deactivation Date:	-	Pop Cat 4 Cd:	1
Fac Deactvtn Dt:	-	Pop Cat 5:	<=500
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	1
Last Rptd Date:	01-APR-16	ORG Name:	_LINDSEY, MKE
Primacy Agency:	California	Admin Name:	_LINDSEY, MKE
Is Source Ind:	Yes	Phone No:	909-866-2268
Facility Type Cd:	WL	Phone Ext No:	-
Facility Type Desc:	Well	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	-
Activity Status:	Active	Email Addr:	-
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	GW	GW or SS:	Groundwater
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	P	Owner Type:	Private
PWS Type Code:	TNCWS	PWS Type:	Transient non-community system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	GW	Primary Srce:	Ground water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Unreported
Subms Sts Cd Vio:	U	Pop Srvd Cnt:	150
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	1
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Slr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	No
Submission Yr Qtr:	2016Q1		

Wells and Additional Sources Detail Report

--Details--

Treatment ID: -
 Treatment Process Code: -
 Treatment Process: -
 Treatment Objective Code: -
 Treatment Objective: -
 Treatment Plant City: -
 Treatment Plant State: -
 Treatment Plant Addr 1: -
 Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
6	NE	0.85	4,467.92	813.59	SDWIS

PWS ID:	CA5400614	Pop Cat 11:	<=100
Facility ID:	1	Pop Cat 11 Cd:	1
Facility Name:	WELL	Pop Cat 2:	<10,000
EPA Region Code:	09	Pop Cat 2 Cd:	1
EPA Region:	Region 9	Pop Cat 3:	<=3300
Season Begin Date:	01-01	Pop Cat 3 Cd:	1
Season End Date:	12-31	Pop Cat 4:	<10K
Deactivation Date:	01-DEC-95	Pop Cat 4 Cd:	1
Fac Deactivtn Dt:	01-DEC-95	Pop Cat 5:	<=500
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	1
Last Rptd Date:	04-JUN-05	ORG Name:	-
Primacy Agency:	California	Admin Name:	SHADY LANE MOBILE HOME PARK
Is Source Ind:	Yes	Phone No:	-
Facility Type Cd:	WL	Phone Ext No:	-
Facility Type Desc:	Well	Alt Phone No:	-
Activity Status Cd:	I	Fax No:	-
Activity Status:	Inactive	Email Addr:	-
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	I	Fac Activity:	Inactive
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	GW	GW or SS:	Groundwater
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	-	Owner Type:	Unknown Owner Type
PWS Type Code:	CWS	PWS Type:	Community water system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	GW	Primary Srce:	Ground water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted

Wells and Additional Sources Detail Report

Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	85
Is Grant Eligible:	No	Srv Cnctn Cnt:	104
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Sllr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	U	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	No	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qtr:	2016Q1		

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-
Treatment Objective Code:	-
Treatment Objective:	-
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
7	ENE	0.97	5,133.70	807.39	SDWIS

PWS ID:	CA1900913	Pop Cat 11:	101-500
Facility ID:	59760	Pop Cat 11 Cd:	2
Facility Name:	STORAGE TANK	Pop Cat 2:	<10,000
EPA Region Code:	09	Pop Cat 2 Cd:	1
EPA Region:	Region 9	Pop Cat 3:	<=3300
Season Begin Date:	-	Pop Cat 3 Cd:	1
Season End Date:	-	Pop Cat 4:	<10K
Deactivation Date:	-	Pop Cat 4 Cd:	1
Fac Deactvtn Dt:	-	Pop Cat 5:	<=500
First Rptd Dt:	27-JAN-83	Pop Cat 5 Cd:	1
Last Rptd Date:	01-APR-16	ORG Name:	STAHL, JORI
Primacy Agency:	California	Admin Name:	STAHL, JORI
Is Source Ind:	No	Phone No:	-
Facility Type Cd:	ST	Phone Ext No:	-
Facility Type Desc:	Storage	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	-
Activity Status:	Active	Email Addr:	-

Wells and Additional Sources Detail Report

Availability Code:	-	Avlblty Desc:	-
Water Type Code:	-	Wtr Tp Desc:	-
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	GW	GW or SS:	Groundwater
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	P	Owner Type:	Private
PWS Type Code:	CWS	PWS Type:	Community water system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	GW	Primary Srce:	Ground water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	495
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	182
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Sllr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	202
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qtr:	2016Q1		

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-
Treatment Objective Code:	-
Treatment Objective:	-
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
7	ENE	0.97	5,133.70	807.39	SDWIS

PWS ID:	CA1900913	Pop Cat 11:	101-500
Facility ID:	60591	Pop Cat 11 Cd:	2
Facility Name:	STORAGE TANK	Pop Cat 2:	<10,000
EPA Region Code:	09	Pop Cat 2 Cd:	1

Wells and Additional Sources Detail Report

EPA Region:	Region 9	Pop Cat 3:	<=3300
Season Begin Date:	-	Pop Cat 3 Cd:	1
Season End Date:	-	Pop Cat 4:	<10K
Deactivation Date:	-	Pop Cat 4 Cd:	1
Fac Deactivtn Dt:	-	Pop Cat 5:	<=500
First Rptd Dt:	27-JAN-83	Pop Cat 5 Cd:	1
Last Rptd Date:	01-APR-16	ORG Name:	STAHL, JORI
Primacy Agency:	California	Admin Name:	STAHL, JORI
Is Source Ind:	No	Phone No:	-
Facility Type Cd:	ST	Phone Ext No:	-
Facility Type Desc:	Storage	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	-
Activity Status:	Active	Email Addr:	-
Availability Code:	-	Avlblty Desc:	-
Water Type Code:	-	Wtr Tp Desc:	-
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	GW	GW or SS:	Groundwater
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	P	Owner Type:	Private
PWS Type Code:	CWS	PWS Type:	Community water system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	GW	Primary Srce:	Ground water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	495
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	182
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Slr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	011
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qtr:	2016Q1		

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-
Treatment Objective Code:	-
Treatment Objective:	-
Treatment Plant City:	-
Treatment Plant State:	-

Wells and Additional Sources Detail Report

Treatment Plant Addr 1: -
 Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
7	ENE	0.97	5,133.70	807.39	SDWIS

PWS ID:	CA1900913	Pop Cat 11:	101-500
Facility ID:	5012	Pop Cat 11 Cd:	2
Facility Name:	AUTOMATIC CHLORINATION UNIT	Pop Cat 2:	<10,000
EPA Region Code:	09	Pop Cat 2 Cd:	1
EPA Region:	Region 9	Pop Cat 3:	<=3300
Season Begin Date:	-	Pop Cat 3 Cd:	1
Season End Date:	-	Pop Cat 4:	<10K
Deactivation Date:	-	Pop Cat 4 Cd:	1
Fac Deactvtn Dt:	26-JAN-16	Pop Cat 5:	<=500
First Rptd Dt:	27-JAN-83	Pop Cat 5 Cd:	1
Last Rptd Date:	01-APR-16	ORG Name:	STAHL, JORI
Primacy Agency:	California	Admin Name:	STAHL, JORI
Is Source Ind:	No	Phone No:	-
Facility Type Cd:	TP	Phone Ext No:	-
Facility Type Desc:	Treatment Plant	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	-
Activity Status:	Active	Email Addr:	-
Availability Code:	-	Avlblty Desc:	-
Water Type Code:	-	Wtr Tp Desc:	-
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	I	Fac Activity:	Inactive
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	GW	GW or SS:	Groundwater
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	P	Owner Type:	Private
PWS Type Code:	CWS	PWS Type:	Community water system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	GW	Primary Srce:	Ground water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	495
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	182
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Slr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA

Wells and Additional Sources Detail Report

NPM Candidate:	Yes	State Fac ID:	003
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qtr:	2016Q1		

--Details--

Treatment ID:	10544
Treatment Process Code:	421
Treatment Process:	Hypochlorination, Post
Treatment Objective Code:	D
Treatment Objective:	Disinfection
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	HYPOCHLORINATION, POST

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
7	ENE	0.97	5,133.70	807.39	SDWIS

PWS ID:	CA1900913	Pop Cat 11:	101-500
Facility ID:	60719	Pop Cat 11 Cd:	2
Facility Name:	TREATMENT PLANT	Pop Cat 2:	<10,000
EPA Region Code:	09	Pop Cat 2 Cd:	1
EPA Region:	Region 9	Pop Cat 3:	<=3300
Season Begin Date:	-	Pop Cat 3 Cd:	1
Season End Date:	-	Pop Cat 4:	<10K
Deactivation Date:	-	Pop Cat 4 Cd:	1
Fac Deactivtn Dt:	26-JAN-16	Pop Cat 5:	<=500
First Rptd Dt:	27-JAN-83	Pop Cat 5 Cd:	1
Last Rptd Date:	01-APR-16	ORG Name:	STAHL, JORI
Primacy Agency:	California	Admin Name:	STAHL, JORI
Is Source Ind:	No	Phone No:	-
Facility Type Cd:	TP	Phone Ext No:	-
Facility Type Desc:	Treatment Plant	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	-
Activity Status:	Active	Email Addr:	-
Availability Code:	-	Avlblty Desc:	-
Water Type Code:	-	Wtr Tp Desc:	-
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	I	Fac Activity:	Inactive
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	GW	GW or SS:	Groundwater
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	P	Owner Type:	Private

Wells and Additional Sources Detail Report

PWS Type Code:	CWS	PWS Type:	Community water system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	GW	Primary Srce:	Ground water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	495
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	182
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Sllr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	009
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qtr:	2016Q1		

--Details--

Treatment ID:	14185
Treatment Process Code:	423
Treatment Process:	Hypochlorination, Pre
Treatment Objective Code:	D
Treatment Objective:	Disinfection
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	HYPOCHLORINATION, PRE

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
7	ENE	0.97	5,133.70	807.39	SDWIS

PWS ID:	CA1900913	Pop Cat 11:	101-500
Facility ID:	57499	Pop Cat 11 Cd:	2
Facility Name:	WELL 04	Pop Cat 2:	<10,000
EPA Region Code:	09	Pop Cat 2 Cd:	1
EPA Region:	Region 9	Pop Cat 3:	<=3300
Season Begin Date:	-	Pop Cat 3 Cd:	1
Season End Date:	-	Pop Cat 4:	<10K
Deactivation Date:	-	Pop Cat 4 Cd:	1
Fac Deactvtn Dt:	-	Pop Cat 5:	<=500
First Rptd Dt:	27-JAN-83	Pop Cat 5 Cd:	1
Last Rptd Date:	01-APR-16	ORG Name:	STAHL, JORI
Primacy Agency:	California	Admin Name:	STAHL, JORI

Wells and Additional Sources Detail Report

Is Source Ind:	Yes	Phone No:	-
Facility Type Cd:	WL	Phone Ext No:	-
Facility Type Desc:	Well	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	-
Activity Status:	Active	Email Addr:	-
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	GW	GW or SS:	Groundwater
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	P	Owner Type:	Private
PWS Type Code:	CWS	PWS Type:	Community water system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	GW	Primary Srce:	Ground water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	495
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	182
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Slr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	004
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	No
Submission Yr Qtr:	2016Q1		

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-
Treatment Objective Code:	-
Treatment Objective:	-
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
7	ENE	0.97	5,133.70	807.39	SDWIS

Wells and Additional Sources Detail Report

PWS ID:	CA3400190	Pop Cat 11:	101-500
Facility ID:	1	Pop Cat 11 Cd:	2
Facility Name:	MAIN WELL	Pop Cat 2:	<10,000
EPA Region Code:	09	Pop Cat 2 Cd:	1
EPA Region:	Region 9	Pop Cat 3:	<=3300
Season Begin Date:	-	Pop Cat 3 Cd:	1
Season End Date:	-	Pop Cat 4:	<10K
Deactivation Date:	-	Pop Cat 4 Cd:	1
Fac Deactivtn Dt:	-	Pop Cat 5:	<=500
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	1
Last Rptd Date:	18-DEC-13	ORG Name:	IMPERIAL MANOR MOBILEHOME COMMUNITY
Primacy Agency:	California	Admin Name:	TOM -. NOSWARICH
Is Source Ind:	Yes	Phone No:	9163444915
Facility Type Cd:	WL	Phone Ext No:	-
Facility Type Desc:	Well	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	-
Activity Status:	Active	Email Addr:	walton@saccounty.net
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	GW	GW or SS:	Groundwater
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	P	Owner Type:	Private
PWS Type Code:	CWS	PWS Type:	Community water system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	GW	Primary Srce:	Ground water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Unreported
Subms Sts Cd Vio:	U	Pop Srvd Cnt:	200
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	186
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Slr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	U	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	4
Submission Year:	2013	Validity Ind:	No
Submission Yr Qtr:	2013Q4		

--Details--

Treatment ID: -
Treatment Process Code: -

Wells and Additional Sources Detail Report

Treatment Process: -
 Treatment Objective Code: -
 Treatment Objective: -
 Treatment Plant City: -
 Treatment Plant State: -
 Treatment Plant Addr 1: -
 Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
7	ENE	0.97	5,133.70	807.39	SDWIS

PWS ID:	CA1900913	Pop Cat 11:	101-500
Facility ID:	59736	Pop Cat 11 Cd:	2
Facility Name:	STORAGE TANK	Pop Cat 2:	<10,000
EPA Region Code:	09	Pop Cat 2 Cd:	1
EPA Region:	Region 9	Pop Cat 3:	<=3300
Season Begin Date:	-	Pop Cat 3 Cd:	1
Season End Date:	-	Pop Cat 4:	<10K
Deactivation Date:	-	Pop Cat 4 Cd:	1
Fac Deactvtn Dt:	-	Pop Cat 5:	<=500
First Rptd Dt:	27-JAN-83	Pop Cat 5 Cd:	1
Last Rptd Date:	01-APR-16	ORG Name:	STAHL, JORI
Primacy Agency:	California	Admin Name:	STAHL, JORI
Is Source Ind:	No	Phone No:	-
Facility Type Cd:	ST	Phone Ext No:	-
Facility Type Desc:	Storage	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	-
Activity Status:	Active	Email Addr:	-
Availability Code:	-	Avlblty Desc:	-
Water Type Code:	-	Wtr Tp Desc:	-
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	GW	GW or SS:	Groundwater
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	P	Owner Type:	Private
PWS Type Code:	CWS	PWS Type:	Community water system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	GW	Primary Srce:	Ground water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	495
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	182
Outstndng Perfrm:	-	Seller PWSID:	-

Wells and Additional Sources Detail Report

Outstndng Perf Dt:	-	Sllr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	201
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qtr:	2016Q1		

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-
Treatment Objective Code:	-
Treatment Objective:	-
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
7	ENE	0.97	5,133.70	807.39	SDWIS

PWS ID:	CA1900913	Pop Cat 11:	101-500
Facility ID:	27935	Pop Cat 11 Cd:	2
Facility Name:	DISTRIBUTION SYSTEM	Pop Cat 2:	<10,000
EPA Region Code:	09	Pop Cat 2 Cd:	1
EPA Region:	Region 9	Pop Cat 3:	<=3300
Season Begin Date:	-	Pop Cat 3 Cd:	1
Season End Date:	-	Pop Cat 4:	<10K
Deactivation Date:	-	Pop Cat 4 Cd:	1
Fac Deactvtn Dt:	-	Pop Cat 5:	<=500
First Rptd Dt:	27-JAN-83	Pop Cat 5 Cd:	1
Last Rptd Date:	01-APR-16	ORG Name:	STAHL, JORI
Primacy Agency:	California	Admin Name:	STAHL, JORI
Is Source Ind:	No	Phone No:	-
Facility Type Cd:	DS	Phone Ext No:	-
Facility Type Desc:	Distribution System/Zone	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	-
Activity Status:	Active	Email Addr:	-
Availability Code:	-	Avlblty Desc:	-
Water Type Code:	-	Wtr Tp Desc:	-
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-

Wells and Additional Sources Detail Report

Facility Activity Cd: A	Fac Activity: Active
Filtrtn Status Cd: -	Filt Stat Desc: -
GW or SW Code: GW	GW or SS: Groundwater
LT2 Sch Ctgr Cd: -	LT2 Sched Ctg: -
Owner Type Code: P	Owner Type: Private
PWS Type Code: CWS	PWS Type: Community water system
Primcy Agency Cd: CA	Primacy Type: State
Primary Source Cd: GW	Primary Srce: Ground water
Seller Treatmnt Cd: -	Seller Trt Dsc: -
Submsn Status Cd: Y	Sub Stat Dsc: Reported and accepted
Subms Sts Cd Vio: Y	Pop Srvd Cnt: 495
Is Grant Eligible: Yes	Srv Cnctn Cnt: 182
Outstndng Perfrm: -	Seller PWSID: -
Outstndng Perf Dt: -	Sllr PWS Nm: -
Schl or Dycare: No	CDS ID: -
Source Treated Ind: -	Country Code: US
Src Wtr Protected: -	Cntry Nm BTP: -
Src Wtr Prot Dt: -	State Code: CA
NPM Candidate: Yes	State Fac ID: DST
Is Wholesaler: No	Sub Quarter: 1
Submission Year: 2016	Validity Ind: Yes
Submission Yr Qtr: 2016Q1	

--Details--

Treatment ID: -

Treatment Process Code: -

Treatment Process: -

Treatment Objective Code: -

Treatment Objective: -

Treatment Plant City: -

Treatment Plant State: -

Treatment Plant Addr 1: -

Treatment Plant Addr 2: -

Treatment Plant Zip Code: -

Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
7	ENE	0.97	5,133.70	807.39	SDWIS

PWS ID: CA1900913	Pop Cat 11: 101-500
Facility ID: 16882	Pop Cat 11 Cd: 2
Facility Name: WELL 01	Pop Cat 2: <10,000
EPA Region Code: 09	Pop Cat 2 Cd: 1
EPA Region: Region 9	Pop Cat 3: <=3300
Season Begin Date: -	Pop Cat 3 Cd: 1
Season End Date: -	Pop Cat 4: <10K

Wells and Additional Sources Detail Report

Deactivation Date:	-	Pop Cat 4 Cd:	1
Fac Deactvtn Dt:	12-FEB-16	Pop Cat 5:	<=500
First Rptd Dt:	27-JAN-83	Pop Cat 5 Cd:	1
Last Rptd Date:	01-APR-16	ORG Name:	STAHL, JORI
Primacy Agency:	California	Admin Name:	STAHL, JORI
Is Source Ind:	Yes	Phone No:	-
Facility Type Cd:	WL	Phone Ext No:	-
Facility Type Desc:	Well	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	-
Activity Status:	Active	Email Addr:	-
Availability Code:	I	Avlblty Desc:	Interim
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	I	Fac Activity:	Inactive
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	GW	GW or SS:	Groundwater
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	P	Owner Type:	Private
PWS Type Code:	CWS	PWS Type:	Community water system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	GW	Primary Srce:	Ground water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	495
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	182
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Sllr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	001
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qtr:	2016Q1		

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-
Treatment Objective Code:	-
Treatment Objective:	-
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-

Wells and Additional Sources Detail Report

Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
7	ENE	0.97	5,133.70	807.39	SDWIS

PWS ID:	CA3400190	Pop Cat 11:	101-500
Facility ID:	CA3400190001	Pop Cat 11 Cd:	2
Facility Name:	MAIN WELL	Pop Cat 2:	<10,000
EPA Region Code:	09	Pop Cat 2 Cd:	1
EPA Region:	Region 9	Pop Cat 3:	<=3300
Season Begin Date:	-	Pop Cat 3 Cd:	1
Season End Date:	-	Pop Cat 4:	<10K
Deactivation Date:	-	Pop Cat 4 Cd:	1
Fac Deactvtn Dt:	-	Pop Cat 5:	<=500
First Rptd Dt:	22-MAR-79	Pop Cat 5 Cd:	1
Last Rptd Date:	19-AUG-14	ORG Name:	_NOSWARICH, TOM
Primacy Agency:	California	Admin Name:	_NOSWARICH, TOM
Is Source Ind:	Yes	Phone No:	916-344-4915
Facility Type Cd:	WL	Phone Ext No:	-
Facility Type Desc:	Well	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	-
Activity Status:	Active	Email Addr:	-
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	GW	GW or SS:	Groundwater
LT2 Sch Ctgy Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	P	Owner Type:	Private
PWS Type Code:	CWS	PWS Type:	Community water system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	GW	Primary Srce:	Ground water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Unreported
Subms Sts Cd Vio:	U	Pop Srvd Cnt:	200
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	186
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Sllr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	3
Submission Year:	2014	Validity Ind:	No

Wells and Additional Sources Detail Report

Submission Yr Qtr: 2014Q3

--Details--

Treatment ID: -
 Treatment Process Code: -
 Treatment Process: -
 Treatment Objective Code: -
 Treatment Objective: -
 Treatment Plant City: -
 Treatment Plant State: -
 Treatment Plant Addr 1: -
 Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
7	ENE	0.97	5,133.70	807.39	SDWIS

PWS ID:	CA1900913	Pop Cat 11:	101-500
Facility ID:	62760	Pop Cat 11 Cd:	2
Facility Name:	WELL 04	Pop Cat 2:	<10,000
EPA Region Code:	09	Pop Cat 2 Cd:	1
EPA Region:	Region 9	Pop Cat 3:	<=3300
Season Begin Date:	-	Pop Cat 3 Cd:	1
Season End Date:	-	Pop Cat 4:	<10K
Deactivation Date:	-	Pop Cat 4 Cd:	1
Fac Deactvtn Dt:	-	Pop Cat 5:	<=500
First Rptd Dt:	27-JAN-83	Pop Cat 5 Cd:	1
Last Rptd Date:	01-APR-16	ORG Name:	STAHL, JORI
Primacy Agency:	California	Admin Name:	STAHL, JORI
Is Source Ind:	Yes	Phone No:	-
Facility Type Cd:	WL	Phone Ext No:	-
Facility Type Desc:	Well	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	-
Activity Status:	Active	Email Addr:	-
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	GW	GW or SS:	Groundwater
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	P	Owner Type:	Private
PWS Type Code:	CWS	PWS Type:	Community water system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	GW	Primary Srce:	Ground water

Wells and Additional Sources Detail Report

Seller Treatmnt Cd: -	Seller Trt Dsc: -
Submsn Status Cd: Y	Sub Stat Dsc: Reported and accepted
Subms Sts Cd Vio: Y	Pop Srvd Cnt: 495
Is Grant Eligible: Yes	Srv Cnctn Cnt: 182
Outstndng Perfrm: -	Seller PWSID: -
Outstndng Perf Dt: -	Sllr PWS Nm: -
Schl or Dycare: No	CDS ID: -
Source Treated Ind: N	Country Code: US
Src Wtr Protected: -	Cntry Nm BTP: -
Src Wtr Prot Dt: -	State Code: CA
NPM Candidate: Yes	State Fac ID: 023
Is Wholesaler: No	Sub Quarter: 1
Submission Year: 2016	Validity Ind: No
Submission Yr Qtr: 2016Q1	

--Details--

Treatment ID: -

Treatment Process Code: -

Treatment Process: -

Treatment Objective Code: -

Treatment Objective: -

Treatment Plant City: -

Treatment Plant State: -

Treatment Plant Addr 1: -

Treatment Plant Addr 2: -

Treatment Plant Zip Code: -

Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
7	ENE	0.97	5,133.70	807.39	SDWIS

PWS ID: CA1900913	Pop Cat 11: 101-500
Facility ID: 24632	Pop Cat 11 Cd: 2
Facility Name: WELL 02	Pop Cat 2: <10,000
EPA Region Code: 09	Pop Cat 2 Cd: 1
EPA Region: Region 9	Pop Cat 3: <=3300
Season Begin Date: -	Pop Cat 3 Cd: 1
Season End Date: -	Pop Cat 4: <10K
Deactivation Date: -	Pop Cat 4 Cd: 1
Fac Deactvtn Dt: -	Pop Cat 5: <=500
First Rptd Dt: 27-JAN-83	Pop Cat 5 Cd: 1
Last Rptd Date: 01-APR-16	ORG Name: STAHL, JORI
Primacy Agency: California	Admin Name: STAHL, JORI
Is Source Ind: Yes	Phone No: -
Facility Type Cd: WL	Phone Ext No: -
Facility Type Desc: Well	Alt Phone No: -

Wells and Additional Sources Detail Report

Activity Status Cd:	A	Fax No:	-
Activity Status:	Active	Email Addr:	-
Availability Code:	E	Avlbty Desc:	Emergency
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	GW	GW or SS:	Groundwater
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	P	Owner Type:	Private
PWS Type Code:	CWS	PWS Type:	Community water system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	GW	Primary Srce:	Ground water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	495
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	182
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Sllr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	002
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qtr:	2016Q1		

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-
Treatment Objective Code:	-
Treatment Objective:	-
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
7	ENE	0.97	5,133.70	807.39	SDWIS

PWS ID:	CA1900913	Pop Cat 11:	101-500
Facility ID:	60567	Pop Cat 11 Cd:	2

Wells and Additional Sources Detail Report

Facility Name:	STORAGE TANK	Pop Cat 2:	<10,000
EPA Region Code:	09	Pop Cat 2 Cd:	1
EPA Region:	Region 9	Pop Cat 3:	<=3300
Season Begin Date:	-	Pop Cat 3 Cd:	1
Season End Date:	-	Pop Cat 4:	<10K
Deactivation Date:	-	Pop Cat 4 Cd:	1
Fac Deactvtn Dt:	-	Pop Cat 5:	<=500
First Rptd Dt:	27-JAN-83	Pop Cat 5 Cd:	1
Last Rptd Date:	01-APR-16	ORG Name:	STAHL, JORI
Primacy Agency:	California	Admin Name:	STAHL, JORI
Is Source Ind:	No	Phone No:	-
Facility Type Cd:	ST	Phone Ext No:	-
Facility Type Desc:	Storage	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	-
Activity Status:	Active	Email Addr:	-
Availability Code:	-	Avlblty Desc:	-
Water Type Code:	-	Wtr Tp Desc:	-
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	GW	GW or SS:	Groundwater
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	P	Owner Type:	Private
PWS Type Code:	CWS	PWS Type:	Community water system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	GW	Primary Srce:	Ground water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	495
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	182
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Slr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	006
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qtr:	2016Q1		

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-
Treatment Objective Code:	-
Treatment Objective:	-

Wells and Additional Sources Detail Report

Treatment Plant City: -
 Treatment Plant State: -
 Treatment Plant Addr 1: -
 Treatment Plant Addr 2: -
 Treatment Plant Zip Code: -
 Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
7	ENE	0.97	5,133.70	807.39	SDWIS

PWS ID:	CA1900913	Pop Cat 11:	101-500
Facility ID:	CA1900913001	Pop Cat 11 Cd:	2
Facility Name:	WELL 01	Pop Cat 2:	<10,000
EPA Region Code:	09	Pop Cat 2 Cd:	1
EPA Region:	Region 9	Pop Cat 3:	<=3300
Season Begin Date:	-	Pop Cat 3 Cd:	1
Season End Date:	-	Pop Cat 4:	<10K
Deactivation Date:	-	Pop Cat 4 Cd:	1
Fac Deactvtn Dt:	-	Pop Cat 5:	<=500
First Rptd Dt:	27-JAN-83	Pop Cat 5 Cd:	1
Last Rptd Date:	01-APR-16	ORG Name:	STAHL, JORI
Primacy Agency:	California	Admin Name:	STAHL, JORI
Is Source Ind:	Yes	Phone No:	-
Facility Type Cd:	WL	Phone Ext No:	-
Facility Type Desc:	Well	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	-
Activity Status:	Active	Email Addr:	-
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	GW	GW or SS:	Groundwater
LT2 Sch Ctgy Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	P	Owner Type:	Private
PWS Type Code:	CWS	PWS Type:	Community water system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	GW	Primary Srce:	Ground water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Unreported
Subms Sts Cd Vio:	U	Pop Srvd Cnt:	495
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	182
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Sllr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US

Wells and Additional Sources Detail Report

Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	No
Submission Yr Qtr:	2016Q1		

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-
Treatment Objective Code:	-
Treatment Objective:	-
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
7	ENE	0.97	5,133.70	807.39	SDWIS

PWS ID:	CA1900913	Pop Cat 11:	101-500
Facility ID:	59949	Pop Cat 11 Cd:	2
Facility Name:	TREATMENT PLANT	Pop Cat 2:	<10,000
EPA Region Code:	09	Pop Cat 2 Cd:	1
EPA Region:	Region 9	Pop Cat 3:	<=3300
Season Begin Date:	-	Pop Cat 3 Cd:	1
Season End Date:	-	Pop Cat 4:	<10K
Deactivation Date:	-	Pop Cat 4 Cd:	1
Fac Deactivtn Dt:	-	Pop Cat 5:	<=500
First Rptd Dt:	27-JAN-83	Pop Cat 5 Cd:	1
Last Rptd Date:	01-APR-16	ORG Name:	STAHL, JORI
Primacy Agency:	California	Admin Name:	STAHL, JORI
Is Source Ind:	No	Phone No:	-
Facility Type Cd:	TP	Phone Ext No:	-
Facility Type Desc:	Treatment Plant	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	-
Activity Status:	Active	Email Addr:	-
Availability Code:	-	Avlblty Desc:	-
Water Type Code:	-	Wtr Tp Desc:	-
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	GW	GW or SS:	Groundwater

Wells and Additional Sources Detail Report

LT2 Sch Ctgr Cd: -	LT2 Sched Ctg: -
Owner Type Code: P	Owner Type: Private
PWS Type Code: CWS	PWS Type: Community water system
Primcy Agency Cd: CA	Primacy Type: State
Primary Source Cd: GW	Primary Srce: Ground water
Seller Treatmnt Cd: -	Seller Trt Dsc: -
Submsn Status Cd: Y	Sub Stat Dsc: Reported and accepted
Subms Sts Cd Vio: Y	Pop Srvd Cnt: 495
Is Grant Eligible: Yes	Srv Cnctn Cnt: 182
Outstndng Perfrm: -	Seller PWSID: -
Outstndng Perf Dt: -	Sllr PWS Nm: -
Schl or Dycare: No	CDS ID: -
Source Treated Ind: -	Country Code: US
Src Wtr Protected: -	Cntry Nm BTP: -
Src Wtr Prot Dt: -	State Code: CA
NPM Candidate: Yes	State Fac ID: 101
Is Wholesaler: No	Sub Quarter: 1
Submission Year: 2016	Validity Ind: No
Submission Yr Qtr: 2016Q1	

--Details--

Treatment ID: -

Treatment Process Code: -

Treatment Process: -

Treatment Objective Code: -

Treatment Objective: -

Treatment Plant City: -

Treatment Plant State: -

Treatment Plant Addr 1: -

Treatment Plant Addr 2: -

Treatment Plant Zip Code: -

Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
7	ENE	0.97	5,133.70	807.39	SDWIS

PWS ID: CA1900913	Pop Cat 11: 101-500
Facility ID: CA1900913002	Pop Cat 11 Cd: 2
Facility Name: WELL 02 BACK UP	Pop Cat 2: <10,000
EPA Region Code: 09	Pop Cat 2 Cd: 1
EPA Region: Region 9	Pop Cat 3: <=3300
Season Begin Date: -	Pop Cat 3 Cd: 1
Season End Date: -	Pop Cat 4: <10K
Deactivation Date: -	Pop Cat 4 Cd: 1
Fac Deactvtn Dt: -	Pop Cat 5: <=500
First Rptd Dt: 27-JAN-83	Pop Cat 5 Cd: 1

Wells and Additional Sources Detail Report

Last Rptd Date:	01-APR-16	ORG Name:	STAHL, JORI
Primacy Agency:	California	Admin Name:	STAHL, JORI
Is Source Ind:	Yes	Phone No:	-
Facility Type Cd:	WL	Phone Ext No:	-
Facility Type Desc:	Well	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	-
Activity Status:	Active	Email Addr:	-
Availability Code:	E	Avlblty Desc:	Emergency
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	GW	GW or SS:	Groundwater
LT2 Sch Ctgy Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	P	Owner Type:	Private
PWS Type Code:	CWS	PWS Type:	Community water system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	GW	Primary Srce:	Ground water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Unreported
Subms Sts Cd Vio:	U	Pop Srvd Cnt:	495
Is Grant Eligible:	Yes	Srv Cnctn Cnt:	182
Outstndng Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Sllr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	No
Submission Yr Qtr:	2016Q1		

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-
Treatment Objective Code:	-
Treatment Objective:	-
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Public Water Supply Wells

Wells and Additional Sources Detail Report

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
3	SSE	0.60	3,164.82	760.96	PWSW

WCR No:	WCR1982-005502	Decimal Latitude:	34.12783
Legacy Log No:	085430	Decimal Longitude:	-118.14368
Permit Date:	None	Meth of Determ LL:	Derived from TRS
Permit No:	None	LL Accuracy:	Centroid of Section
Own Assign Well No:	Oak Knoll	Horizontal Datum:	None
Name of Well Owner:		Ground Surf Elev:	None
Planned Former Use:	Water Supply Public	Elevation Accuracy:	None
APN:	None	Elev Determine Meth:	None
Date Work Ended:	1982-02-12 00:00:00.000000000	Vertical Datum:	None
Received Date:		Township:	01N
Well Location:	888 Oak Knoll Avenue	Range:	12W
City:	Pasadena	Section:	33
County Name:	Los Angeles	Baseline Meridian:	San Bernardino
Total Drill Depth:	None	Township Internal:	
Total Complete Dep:	360.0	Range Internal:	
Top Perforated Int:	210	Section Internal:	
Bottom Perf Intvl:	350	Tract Internal:	
Casing Diameter:	18	Sequence Internal:	
Drilling Method:	Direct Rotary	Baseline Merid Int:	
Fluid:	Not Available at Conversion	Decimal Lat Int:	
Static Water Level:	218	Decimal Long Int:	
Total Draw Down:	None	Meth of Det LL Int:	
Test Type:	None	LL Accuracy Intern:	
Pump Test Length:	None	Horiz Datum Int:	
Well Yield:	650	Grnd Surf Elev Int:	
Well Yield Unit:	GPM	Ele Accuracy Int:	
GW Basin:		Elev Det Meth Int:	
Mat Type Summary:		Vertical Datum Int:	
Attachment Info:			
Region Office:	DWR Southern Region Office		
Local Permit Agency:	City of Pasadena - Water and Power Department, Water Division		
Record Type:	WellCompletion/New/Production or Monitoring/NA		
Workflow Status:	None		
Other Observations:	None		

Radon Information

This section lists any relevant radon information found for the target property.

Federal EPA Radon Zone for *LOS ANGELES* County: **2**

Zone 1: Counties with predicted average indoor radon screening levels greater than 4 pCi/L

Zone 2: Counties with predicted average indoor radon screening levels from 2 to 4 pCi/L

Zone 3: Counties with predicted average indoor radon screening levels less than 2 pCi/L

Federal Area Radon Information for *LOS ANGELES* County

No Measures/Homes:	69
Geometric Mean:	0.4
Arithmetic Mean:	0.7
Median:	0.5
Standard Deviation:	1
Maximum:	5.6
% >4 pCi/L:	1
% >20 pCi/L:	0
Notes on Data Table:	TABLE 1. Screening indoor radon data from the EPA/State Residential Radon Survey of California conducted during 1989-90. Data represent 2-7 day charcoal canister measurements from the lowest level of each home tested.

Federal Sources

FEMA National Flood Hazard Layer

FEMA FLOOD

The National Flood Hazard Layer (NFHL) data incorporates Flood Insurance Rate Map (FIRM) databases published by the Federal Emergency Management Agency (FEMA), and any Letters Of Map Revision (LOMRs) that have been issued against those databases since their publication date. The FIRM Database is the digital, geospatial version of the flood hazard information shown on the published paper FIRMs. The FIRM Database depicts flood risk information and supporting data used to develop the risk data. The FIRM Database is derived from Flood Insurance Studies (FISs), previously published FIRMs, flood hazard analyses performed in support of the FISs and FIRMs, and new mapping data, where available.

Indoor Radon Data

INDOOR RADON

Indoor radon measurements tracked by the Environmental Protection Agency(EPA) and the State Residential Radon Survey.

Public Water Systems Violations and Enforcement Data

PWSV

List of drinking water violations and enforcement actions from the Safe Drinking Water Information System (SDWIS) made available by the Drinking Water Protection Division of the US EPA's Office of Groundwater and Drinking Water. Enforcement sensitive actions are not included in the data released by the EPA. Address information provided in SDWIS may correspond either with the physical location of the water system, or with a contact address.

Radon Zone Level

RADON ZONE

Areas showing the level of Radon Zones (level 1, 2 or 3) by county. This data is maintained by the Environmental Protection Agency (EPA).

Safe Drinking Water Information System (SDWIS)

SDWIS

The Safe Drinking Water Information System (SDWIS) contains information about public water systems as reported to US Environmental Protection Agency (EPA) by the states. Addresses may correspond with the location of the water system, or with a contact address.

Soil Survey Geographic database

SSURGO

The Soil Survey Geographic database (SSURGO) contains information about soil as collected by the National Cooperative Soil Survey at the Natural Resources Conservation Service (NRCS). Soil maps outline areas called map units. The map units are linked to soil properties in a database. Each map unit may contain one to three major components and some minor components.

U.S. Fish & Wildlife Service Wetland Data

US WETLAND

The U.S. Fish & Wildlife Service Wetland layer represents the approximate location and type of wetlands and deepwater habitats in the United States.

USGS Current Topo

US TOPO

US Topo topographic maps are produced by the National Geospatial Program of the U.S. Geological Survey (USGS). The project was launched in late 2009, and the term "US Topo" refers specifically to quadrangle topographic maps published in 2009 and later.

USGS Geology

US GEOLOGY

Seamless maps depicting geological information provided by the United States Geological Survey (USGS).

USGS National Water Information System

FED USGS

The U.S. Geological Survey (USGS)'s National Water Information System (NWIS) is the nation's principal repository of water resources data. This database includes comprehensive information of well-construction details, time-series data for gage height, streamflow, groundwater level, and precipitation and water use data.

State Sources

Oil and Gas Wells

OGW

A list of Oil and Gas well locations. This is provided by California's Department of Conservation Division of

Appendix

Oil, Gas and Geothermal Resources.

Public Water Supply Wells

PWSW

List of community water supply wells in California. This data was made available by California Department of Water Resources, Division of Statewide Integrated Water Management, who indicates that the management of the data in an ongoing project, and some county data is not represented. Location information is provided using the Public Land Survey System (PLSS) and is subject to the accuracy limitations inherent to the PLSS system.

Water Wells

WATER WELLS

A list of water wells maintained by the Department of Water Resources (DWR) Water Data Library.

Well Investigation Program Case List

WIP

The Well Investigation Program (WIP) was developed by the State Water Resources Control Board (SWRCB) to locate, assess and remediate sources of solvent contamination impacting drinking water wells. This list contains WIP cases (active and historical) for the San Gabriel and San Fernando Valley area and was provided by the Los Angeles Regional Water Quality Control Board.

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Appendix I: Key Personnel Resumes

Kelly Hoover

Senior Environmental Consultant

Education

BS, Animal Biology, University of Glasgow

Project Experience

Phase I Environmental Site Assessments, Nationwide, Environmental

- Ms. Hoover had been performing, writing and reviewing Phase I Environmental Site Assessments for various types of national and international properties for over 14 years. Ms. Hoover has also been performing various other environmental assessments such as asbestos surveys, mold assessments and indoor air quality assessments for over 16 years.

Portfolio Management, Various, Environmental

- Ms. Hoover has managed over 40 Phase I Environmental Site Assessment portfolios, including large scale portfolios, nursing home properties, industrial facilities, gas stations, hotels, retail properties, self-storage facilities, multi-family residential properties, and department stores. Ms. Hoover has managed portfolios within the United States, Canada and the United Kingdom since joining EMG in 2014.

Gas Station Portfolio, Nationwide, Environmental

- Ms. Hoover managed a Phase I ESA portfolio of 717 retail fueling stations located throughout multiple states. The properties included gasoline filling stations with convenience stores, highway rest stop facilities and auto repair/service stations using a report format specifically developed to meet the Client's Scope of Work. Under Ms. Hoover's leadership, EMG's thorough and timely work facilitated the smooth completion of a multi-million-dollar transaction, completing the work ahead of schedule.

Hotel Portfolio, Nationwide, Environmental

- Ms. Hoover managed a portfolio of over 300 hotel properties throughout the United States. The assessments included observations of the facilities, review of previous assessment reports, review of regulatory records, interviews with property staff and research of municipal records. Ms. Hoover provided technical guidance to the team, report reviews, management of the schedule and deliverable targets, with all reports completed within two months of engagement.

Industry Tenure

ENV: 2002

EMG: 2014

Related Experience

- Assisted Living Portfolios
- Environmental Site Assessment
- Gas Station and Automotive Repair Portfolios
- Hospitality portfolios
- Industrial Site Portfolios
- Multifamily Housing Portfolios
- National Assisted Living/Nursing Portfolios
- National Banking Portfolios
- National Hotel Chain Portfolio
- Retail Portfolios

Industry Experience

- Affordable Housing/Multi-family
- AHERA Surveys
- Assisted Living/Senior Housing
- Automotive Repair
- Banks
- Distribution Centers
- Gas Stations
- Hospitality
- Resorts
- Retail/Office/Industrial

Active Licenses/Registrations

- Asbestos Contractor Supervisor - FL
- Asbestos Inspector (State License) - FL
- Asbestos Management Planner - FL
- Asbestos Project Designer - FL

Special Skills/Training

- AAI/ASTM E1527-13 Environmental Professional (EP)
- AHERA Certification
- AHERA Inspections
- 40-hour HAZWOPER

Regional Location

Tampa, FL

Project Experience Cont.

Industrial Development, Deland, Florida, Environmental

- Ms. Hoover performed a Phase I Environmental Site Assessment of a 47.70 acre industrial facility that was constructed in phases between 1971 and 2002. Previous occupants had included an aluminum fence manufacturing company, and a defense related manufacturing facility, which developed ultra-lightweight camouflage nets, chemical and biological warfare alarms and detectors, carbon fiber resin reinforced aircraft components, and equipment/ordnance components.

Marina Property, Key West, Florida, Environmental

- Ms. Hoover performed a Phase I Environmental Site Assessment of a former marina in Key West, Florida as part of the refinance of the property. During review of regulatory files, Ms. Hoover identified that the Project was listed as a Leaking Underground Storage Tank (LUST) site; however, through file review determined that the LUST case had been attributed to the wrong property in error. Ms. Hoover was able to resolve the discrepancy with the regulators, which led to the release being rescinded and the case was closed prior to foreclosure.

Jeanie Schulz

PROJECT MANAGER

Education

BA, Business Administration, Vanguard University, 1989

AS, Environmental Studies, Portland State University,
currently enrolled

Project Experience

School District Portfolio; Orange County, CA – As a Project Manager, Ms. Schulz performed assessments of multiple schools covering over 200+/- acres and 80+/- structures. Ms. Schulz performed environmental assessments, environmental audits, various NEPA reports, assessed condition of the building structures and systems and developed thorough reports. Ms. Schulz also developed Phase II recommendations, including scopes of works and work plans related to subsurface investigations. Ms. Schulz' work help complete this project on schedule and within the budget

Hotel Portfolio; Various Cities, CA, OR, WA, ID – Ms. Schulz served as the Project Manager and performed environmental assessments on multiple hotel sites as part of a portfolio. Her observations were critical in assisting the client in their final business decision.

Assisted Living Portfolio; Various Cities, CA, NV, UT, TX, AL – As a Project Manager, Ms. Schulz performed environmental assessments on various assisted living facilities across the United States. Ms. Schulz' involvement in this portfolio was crucial to the decision-making process of the client by providing the necessary information to negotiate the purchase of these properties.

INDUSTRY TENURE

Environmental : 1993

EMG: 2012

RELATED EXPERIENCE

- National Hotel Chain Portfolios
- Multi-family Housing Portfolios
- Industrial Site Portfolios
- Retail Center Portfolios
- National Restaurant Chain Portfolios
- Skilled Nursing/Assisted Living Portfolios
- Educational Facility Assessments
- Environmental Audits
- Environmental Impact Reports
- Health and Safety Audits

INDUSTRY EXPERIENCE

- Industrial
- Commercial/Retail
- Service Station/Auto Repair
- Dry Cleaners
- Agricultural
- Skilled Nursing/Assisted Living
- Multi-family Residential
- Educational Facilities
- Government Facilities

ACTIVE LICENSES/REGISTRATIONS

- AHERA Certified

SPECIAL SKILLS & TRAINING

- AAI/ASTM E 1527-13 Environmental Professional (EP)

REGIONAL LOCATION

Portland, OR

Project Experience Cont.

Retail/Commercial Strip Center; Whittier, CA – As a Project Manager, Ms. Schulz performed an environmental assessment on a retail/commercial strip center containing both current and former service stations and current and former dry cleaning operations. Ms. Schulz also developed and implemented Phase II recommendations and agency file reviews at the appropriate federal, state and local regulatory agencies. Additionally, Ms. Schulz assisted in the development, review and submittal of a closure request/reports to these agencies.

Multiple Dry Cleaners, Various Cities, CA, AZ, NV – As a Project Manager, Ms. Schulz performed environmental assessments on multiple current and former dry cleaning facilities across several states. Additionally, Ms. Schulz both developed work plans and conducted Phase II subsurface investigations and submitted of closure reports and formal requests to appropriate regulatory agencies.

Multiple Service Stations, Various Cities, CA, AZ, NV – As a Project Manager, Ms. Schulz performed environmental assessments on multiple current and former service station facilities across several states and both developed work plans and conducted Phase II subsurface investigations. Additionally, Ms. Schulz supervised underground storage tank removals and managed the applicable regulatory closure processes including the development and submittal of closure reports and formal requests to appropriate regulatory agencies.

Construction Generated Noise				All Applicable Equipment in Use at 100 ft.
Building Type		Office/Building Construction		
Construction Noise at 50 Feet (Lmax, dBA)				
Location	Construction Phase	Minimum Equipment in Use	All Applicable Equipment in Use	
All Sites	Demolition/Site Preparation	84	89	83
	Grading/Excavation	79	89	83
	Foundations	78	78	72
	Building Construction	75	87	81
	Architectural Coating	75	89	83

Sensitive Receptor to Project Site	Approximate Distance (ft.)	Anticipated Noise Level, dBA	Average Distance (ft.)	Anticipated Noise Level, dBA
General Sites				
Huntington Hospital Complex	760		880	
Demolition/Site Preparation		65		64
Grading/Excavation		65		64
Foundations		54		53
Building Construction		63		62
Architectural Coating		65		64
Central Park	1211		1493	
Demolition/Site Preparation		61		59
Grading/Excavation		61		59
Foundations		50		48
Building Construction		59		57
Architectural Coating		61		59
Mayfield Junior School	1075		1170	
Demolition/Site Preparation		62		62
Grading/Excavation		62		62
Foundations		51		51
Building Construction		60		60
Architectural Coating		62		62
So.Cal. Public Radio	30		70	
Demolition/Site Preparation		93		86
Grading/Excavation		93		86
Foundations		82		75
Building Construction		91		84
Architectural Coating		93		86
Noise Element suggest CNEL is 65 dBA at Residential (multi) locations, CNEL 60 dBA (single) and 65 for Churches/Commercial land-uses. Based on 12 hr work site, noise level is capped to 68 dBA, 63 dBA, and 68 dBA for compliance. For 9 hr work site noise levels are: 69 dBA, 64 dBA and 69 dBA.				

Normally Acceptable per the Noise Element suggests CNEL is 70 dBA for above mentoned landuses.
The corresponding noise level is 73 dBA for a 12 hr work site and 74 dBA for a 9 hr work site

Sensitive Receptor to Project Site	Approximate Distance (ft.)	Anticipated Noise Level, dBA	Average Distance (ft.)	Anticipated Noise Level, dBA
Raymond/California Intersection				
3- Story Medical/Commercial Bldg	260		360	
Demolition/Site Preparation		75		72
Grading/Excavation		75		72
Foundations		64		61
Building Construction		73		70
Architectural Coating		75		72
Plastic Surgery + Medical Spa	100		260	
Demolition/Site Preparation		83		75
Grading/Excavation		83		75
Foundations		72		64
Building Construction		81		73
Architectural Coating		83		75
Noise Element suggest CNEL is 65 dBA at Residential (multi) locations, CNEL 60 dBA (single) and 65 for Churches/Commercial land-uses. Based on 12 hr work site, noise level is capped to 68 dBA, 63 dBA, and 68 dBA for compliance. For 9 hr work site noise levels are: 69 dBA, 64 dBA and 69 dBA.				

Normally Acceptable per the Noise Element suggests CNEL is 70 dBA for above mentoned landuses. The corresponding noise level is 73 dBA for a 12 hr work site and 74 dBA for a 9 hr work site

Sensitive Receptor to Project Site	Approximate Distance (ft.)	Anticipated Noise Level, dBA	Average Distance (ft.)	Anticipated Noise Level, dBA
Arroyo Parkway Thoroughfare				
Ferility Complex	420		525	
Demolition/Site Preparation		71		69
Grading/Excavation		71		69
Foundations		60		58
Building Construction		69		67
Architectural Coating		71		69
Pasadena Inn	325		440	
Demolition/Site Preparation		73		70
Grading/Excavation		73		70
Foundations		62		59
Building Construction		71		68
Architectural Coating		73		70
Residential Complex	105		440	
Demolition/Site Preparation		83		70
Grading/Excavation		83		70
Foundations		72		59
Building Construction		81		68
Architectural Coating		83		70
Noise Element suggest CNEL is 65 dBA at Residential (multi) locations, CNEL 60 dBA (single) and 65 for Churches/Commercial land-uses. Based on 12 hr work site, noise level is capped to 68 dBA, 63 dBA, and 68 dBA for compliance. For 9 hr work site noise levels are: 69 dBA, 64 dBA and 69 dBA.				

Normally Acceptable per the Noise Element suggests CNEL is 70 dBA for above mentoned landuses.
The corresponding noise level is 73 dBA for a 12 hr work site and 74 dBA for a 9 hr work site

Construction Generated Vibration Structural Damage Criteria

So. Cal. Public Radio		Closest Distance (feet):	30
	Approximate RMS Velocity at 25 ft, inch/second	Approximate RMS Velocity Level, inch/second	
Equipment			
Large bulldozer	0.089	0.068	
Small bulldozer	0.003	0.002	
Jackhammer	0.035	0.027	
Loaded trucks	0.076	0.058	
Criteria		0.300	
482 South Arroyo Parkway		Closest Distance (feet):	105
	Approximate RMS a Velocity at 25 ft, inch/second	Approximate RMS Velocity Level, inch/second	
Equipment			
Large bulldozer	0.089	0.010	
Small bulldozer	0.003	0.000	
Jackhammer	0.035	0.004	
Loaded trucks	0.076	0.009	
Criteria		0.300	
Plastic Surgery + Medical Spa		Closest Distance (feet):	100
	Approximate RMS Velocity at 25 ft, inch/second	Approximate RMS Velocity Level, inch/second	
Equipment			
Large bulldozer	0.089	0.011	
Small bulldozer	0.003	0.000	
Jackhammer	0.035	0.004	
Loaded trucks	0.076	0.010	
Criteria		0.300	
Whole Foods		Closest Distance (feet):	10
	Approximate RMS Velocity at 25 ft, inch/second	Approximate RMS Velocity Level, inch/second	
Equipment			
Large bulldozer	0.089	0.352	
Small bulldozer	0.003	0.012	
Jackhammer	0.035	0.138	
Loaded trucks	0.076	0.300	
Criteria		0.500	
501 South Arroyo		Closest Distance (feet):	10
	Approximate RMS Velocity at 25 ft, inch/second	Approximate RMS Velocity Level, inch/second	
Equipment			
Large bulldozer	0.089	0.352	
Small bulldozer	0.003	0.012	
Jackhammer	0.035	0.138	
Loaded trucks	0.076	0.300	
Criteria		0.120	
523 South Arroyo		Closest Distance (feet):	10
	Approximate RMS Velocity at 25 ft, inch/second	Approximate RMS Velocity Level, inch/second	
Equipment			
Large bulldozer	0.089	0.352	
Small bulldozer	0.003	0.012	
Jackhammer	0.035	0.138	
Loaded trucks	0.076	0.300	
Criteria		0.120	
Based on distance to nearest structure			
Source: Based on methodology from the United States Department of Transportation Federal Transit Administration, Transit Noise and Vibration Impact Assessment (2006).			

PM Peak Hour Data to convert to ADT by (x10) According to Tin and Darlene Yellowhair (Psoams Traffic Engineer 10/1/21)

Existing					Project					Difference				
Fair Oaks/Del Mar	East	West	North	South	Fair Oaks/Del Ma	East	West	North	South	49	East	West	North	South
	ADT Segment	17620	19520	12990		17750	ADT Segment	17820	19640		12990	17830	ADT Segment	200
Arroyo/Del Mar	East	West	North	South	Arroyo/Del Mar	East	West	North	South	24	East	West	North	South
	Total Segment	18230	18070	13080		16220	Total Segment	18390	18270		13200	16700	Total Segment	160
Arroyo/Bellevue	East	West	North	South	Arroyo/Bellevue	East	West	North	South	29	East	West	North	South
	Total Segment	850	4690	17040		16200	Total Segment	1010	4690		17530	16850	Total Segment	160
Fair Oaks/California	East	West	North	South	Fair Oaks/Californi	East	West	North	South	86	East	West	North	South
	Total Segment	15250	16270	17270		21250	Total Segment	15550	16270		17350	21630	Total Segment	300
Raymond/California	East	West	North	South	Raymond/Califor	East	West	North	South	159	East	West	North	South
	Total Segment	17060	14640	9780		9140	Total Segment	17960	14940		10380	9140	Total Segment	900
Arroyo/California	East	West	North	South	Arroyo/California	East	West	North	South	73	East	West	North	South
	Total Segmen	24750	21020	17990		26540	Total Segmen	26030	21560		20470	27520	Total Segmen	1280
Marengo/California	East	West	North	South	Marengo/Califorr	East	West	North	South	63	East	West	North	South
	Total Segmen	20710	21180	11390		12460	Total Segmen	21470	22460		12150	12540	Total Segmen	760
Fair Oaks/Glenarm	East	West	North	South	Fair Oaks/Glenarm	East	West	North	South	76	East	West	North	South
	Total Segmen	11210	5520	23660		25250	Total Segmen	11210	5520		24050	25640	Total Segmen	0
Arroyo/Glenarm	East	West	North	South	Arroyo/Glenarm	East	West	North	South	44	East	West	North	South
	Total Segmen	17000	12600	24000		33660	Total Segmen	17080	12600		24980	34720	Total Segmen	80
Marengo/Glenarm	East	West	North	South	Marengo/Glenarm	East	West	North	South	18	East	West	North	South
	Total Segmen	9390	16130	9710		9730	Total Segmen	9390	16210		9790	9730	Total Segmen	0

Transportation Impact Analysis

CEQA Evaluation

Category 2

Project Address: **491-577 South Arroyo Parkway**

Project Summary: **Demolition of approximately 46,000 sf commercial. Construction of 151,000 sf medical office, 3,000 sf commercial, 184,376 sf senior living facility consisting of 95 independent living units and 85,800 sf assisted living. 5,882 sf restaurant to remain**

Applicant: **The Arroyo Parkway, LLC
716 Mission Street
South Pasadena, CA 91030**

Attention: **Luis Rocha, Zoning Administrator
City Planning Department**

November 30, 2020

Table of Contents

I. Study Objective	1
II. Project Description.....	1
III. Existing Transportation Network.....	1
Street System Classifications	1
Existing Transit Service	3
IV. Transportation Analysis Methodology.....	5
Analysis Purpose.....	5
Analysis Cap Criteria - Transportation Performance Measures.....	5
VMT Per Capita	6
VT Per Capita	6
Proximity and Quality of Bicycle Network	7
Proximity and Quality of Transit Network.....	7
Pedestrian Accessibility Score.....	8
V. Project Transportation Impact Analysis	9
VI. Conclusion.....	10
VII. Appendices.....	10

List of Figures

Figure 1. Project Site Plan.....	2
Figure 2. City of Pasadena Adopted Street Types Map	4

List of Tables

Table 1. Bicycle Facilities Hierarchy.....	7
Table 2. Description of Transit Facilities.....	7
Table 3. City of Pasadena CEQA Thresholds of Significance	8
Table 4. Transportation Performance Metrics Summary	10

I. Study Objective

This report analyzed the impact the development will have on the City transportation system by estimating incremental changes in vehicle miles traveled (VMT) per capita, vehicle trips per capita (VT), the project impact on service population proximity access to transit and bike facilities, and walk accessibility score.

II. Project Description

The City of Pasadena Department of Transportation reviewed the application of a Planned Development and a variance for preserving two existing historic resources for a project involving the demolition of approximately 46,000 sf commercial and the construction of 151,000 sf medical office, 3,000 sf commercial, 184,376 sf senior living facility with 95 independent living units, 85,800 sf assisted living, 5,882 sf restaurant, and subterranean parking.

Figure 1 depicts the project's site plan. Two driveways are located along Arroyo Parkway, and one driveway is located along California Boulevard.

III. Existing Transportation Network

Street System Classifications

Raymond Avenue is a north/south **Neighborhood Connector** between Corson Street to Del Mar Boulevard, and a **City Connector** between Del Mar Boulevard to Glenarm Street. Raymond Avenue does not have bike lanes south of Maple Street. It has a speed limit of 35 mph between California Boulevard and Glenarm Street, and 30 mph between California Boulevard and Green Street.

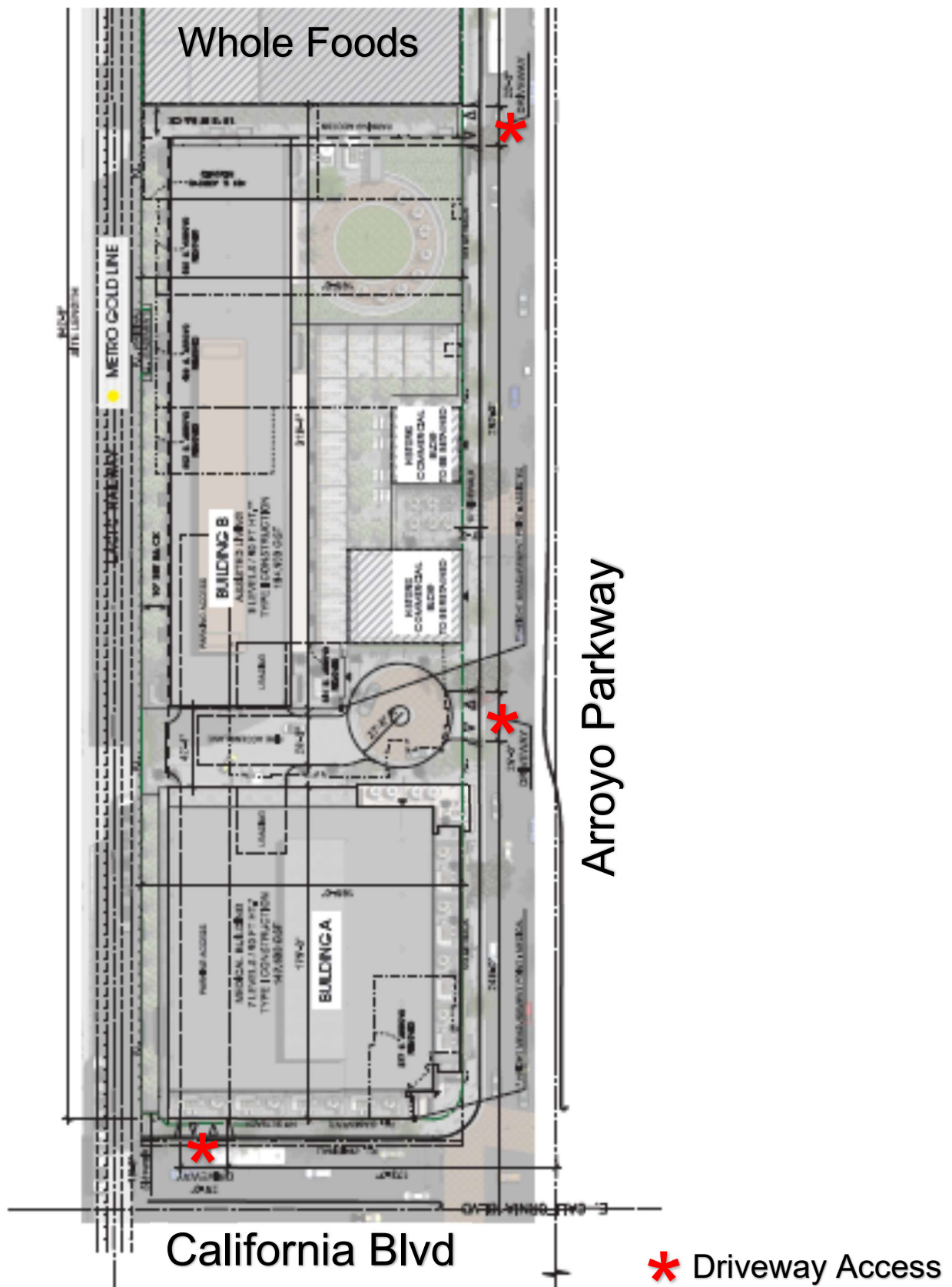
Arroyo Parkway is a north/south **Access Road** between Holly Street to Colorado Boulevard, and a **City Connector** between Colorado Boulevard to the SR-110 freeway. In the vicinity of the project, Arroyo Parkway is a four-lane divided roadway with time limited parking on both sides of the roadway. It has a 35 mph speed limit in the project vicinity. Arroyo Parkway is not designated as a bike lane or route.

Marengo Avenue is a north/south **City Connector** between Orange Grove Boulevard and Del Mar Boulevard, and a **Neighborhood Connector** north of Orange Grove Boulevard to the northern City limits and south of Del Mar Boulevard to the southern City limits. Bike lanes are present south of Cordova Street to Glenarm Street.

Cordova Street is a four-lane, east/west **Neighborhood Connector** with two lanes in each direction. The posted speed limit on Cordova Street is 35 mph. A future road diet is proposed along a section of this roadway, which will include bike lanes.

Del Mar Boulevard is an east/west **City Connector** that generally offers two lanes in each direction. The speed limit is 35 mph. Del Mar Boulevard is designated as a Class III Bike Route between Saint John Avenue and Wilson Avenue, and a Class III Enhanced Bike Route east of Wilson Avenue.

Figure 1. Project Site Plan



Bellevue Drive is an east/west Access Road between Arroyo Parkway and Marengo Avenue with parking on both sides of the street. The Arroyo Parkway at Bellevue Drive intersection is a signalized offset intersection.

California Boulevard is an east/west **City Connector** posted with a 30 mph speed limit. California Boulevard is designated as a Class III Bike Route between Marengo Avenue and Lake Avenue, and a Class III Enhanced Bike Route between Lake Avenue and Allen Avenue.

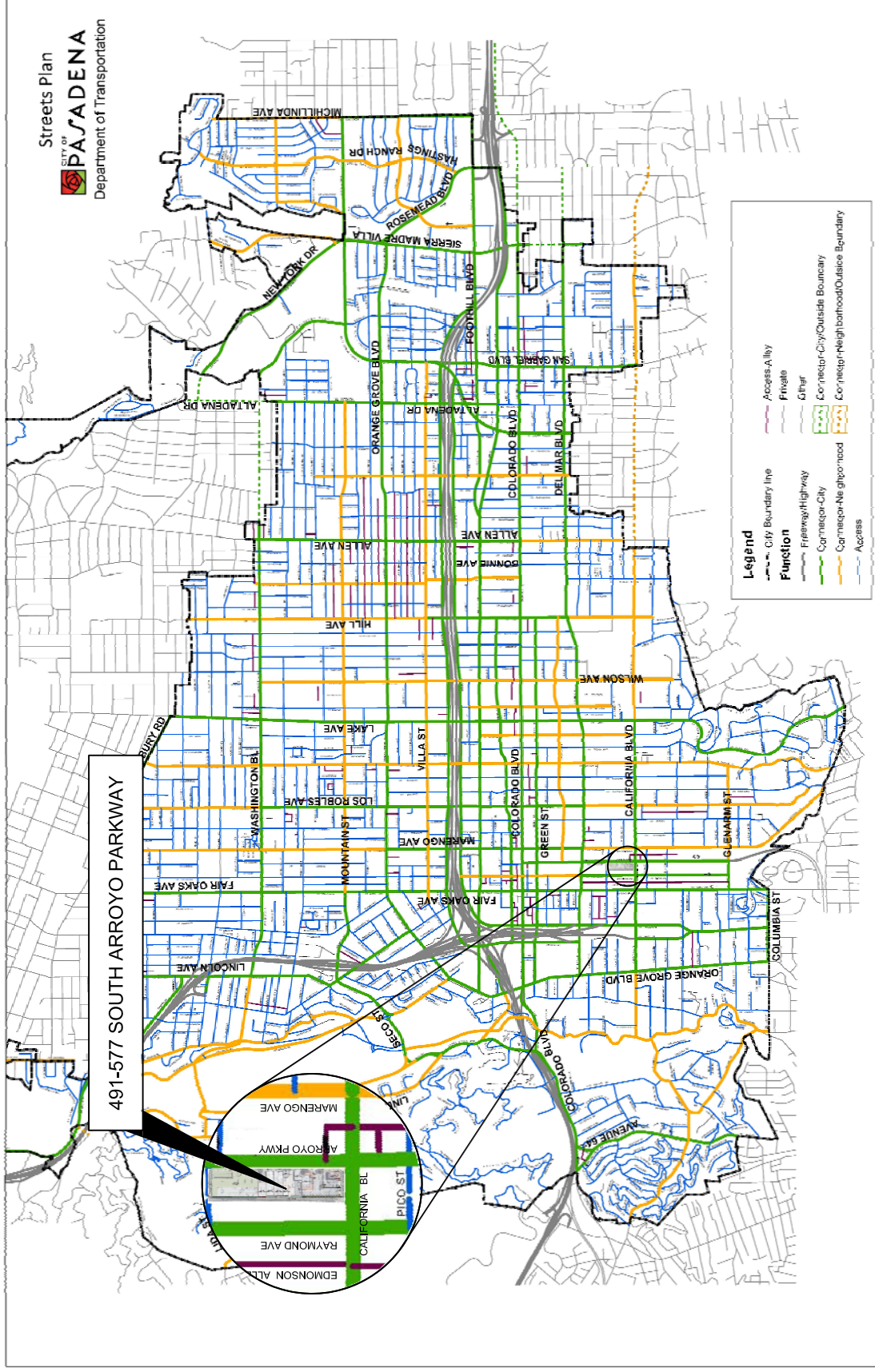
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Figure 2 depicts the project in the City of Pasadena's Adopted Street Types map.

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Raymond Ave at California Blvd – Northeast corner	PT 51,52; Metro 686,687
Raymond Ave at Fillmore St – East side	Metro Gold Line
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Arroyo Parkway at California Blvd – Northside on California Blvd	Metro 256
Arroyo Parkway at California Blvd – Southwest corner – Southeast corner	PT 20
Arroyo Parkway at Fillmore St – Northeast corner – Southwest corner	PT 20



NO SCALE

FIGURE 2
CITY OF PASADENA ADOPTED STREET TYPES
491-577 SOUTH ARROYO PARKWAY

Arroyo Parkway at Fillmore St – West side at cul-de-sac	Metro Gold Line
Arroyo Parkway at Glenarm St – East side – Northwest side	PT 20
Marengo Ave at California Blvd – Southeast corner	PT 20

IV. Transportation Analysis Methodology

With the City of Pasadena General Plan, the City's guiding principles cumulatively represent the community's vision for the future:

- Growth will be targeted to serve community needs and enhance quality of life.
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Pasadena reviews several types and sizes of projects that could be subject to environmental review under the California Environmental Quality Act (CEQA). Transportation impact analyses are an integral part of the environmental review process that is required for all proposed projects not categorically exempt under CEQA.

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of vehicular and multimodal performance measures are employed to evaluate system performance in reviewing new development projects. They are:

- Vehicle Miles Traveled per Capita
- Vehicle Trips per Capita
- Proximity and Quality of the Bicycle Network
- Proximity and Quality of the Transit Network
- Pedestrian Accessibility

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The Vehicle Miles Traveled (VMT) per Capita measure sums the miles traveled for trips within the City of Pasadena Travel Demand Model (that is based on the SCAG regional model). The VMT total considers 100% of the mileage of trips that begin and end inside Pasadena and 50% of the distance travelled for trips with one end outside of Pasadena. The City’s VMT is then divided by the City’s total service population, defined as the population plus the number of jobs.

Although VMT itself will likely increase with the addition of new residents, the City can reduce VMT on a per-capita basis with land use policies that help Pasadena residents meet their daily needs within a short distance of home, reducing trip lengths, and by encouraging development in areas with access to various modes of transportation other than auto.

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Vehicle Trips (VT) per Capita is a measure of motor vehicle trips associated with the City. The measure sums the trips with origins and destination within the City of Pasadena, as generated by the 2013 Trip-based citywide Travel Demand Model. The regional VT is calculated by adding the VT associated with trips generated and attracted within City of Pasadena boundaries, and 50% of the VT associated with trips that either begin or end in the City, but have one trip end outside of the City. The City’s VT is then divided by the City’s total service population, defined as the population plus the number of jobs.

As with VMT, VT itself will likely increase with the addition of new residents, but the City can reduce VT on a per-capita basis with land use policies that help Pasadena residents meet their daily needs within a short distance of home, reducing trip lengths, and by encouraging development in areas with access to various modes of transportation other than auto.

Proximity and Quality of Bicycle Network

The Proximity and Quality of Bicycle Network provides a measure of the percent of the City's service population (population + jobs) within a quarter mile of bicycle facility types. The facility types are aggregated into three hierarchy levels, obtained from the City's (Draft) Bicycle Transportation Plan categories as shown in the following table:

Table 1. Bicycle Facilities Hierarchy

LEVEL	DESCRIPTION	FACILITIES INCLUDED
1	Advanced Facilities	Bike Paths Multipurpose Paths Cycle Tracks/Protected Bike Lanes
2	Dedicated Facilities	Buffered Bike Lanes Bike Lanes Bike Boulevards
3	Basic Facilities	Bike Routes Enhanced Bike Routes Emphasized Bikeways

For each bike facility level, a quarter-mile network distance buffer is calculated and the total service population (population + jobs) within the buffer is identified.

The City can improve measures of Bike Facility Access by improving and expanding existing bike facilities and by encouraging residential and commercial development in areas with high-quality bike facilities.

Proximity and Quality of Transit Network

The Proximity and Quality of Transit Network provides a measure of the percent of the City's service population (population + jobs) within a quarter mile of each of each of three transit facility types, as defined in the following table:

Table 2. Description of Transit Facilities

TRANSIT FACILITIES HIERARCHY	
LEVEL	FACILITIES INCLUDED
1	Includes all Gold Line stops as well as corridors with transit service, whether it be a single route or multiple routes combined, with headways of five minutes or less during the peak periods.
2	Includes corridors with transit headways of between six and 15 minutes in peak periods.
3	Includes corridors with transit headways of 16 minutes or more at peak periods.

For each facility level, a quarter-mile network distance buffer is calculated and the total service population (population + jobs) within the buffer is identified. The City can improve the measures of Transit Proximity and Quality by reducing headways on existing transit routes, by expanding transit routes to cover new areas, and by encouraging residential and commercial development to occur in areas with an already high-quality transit service.

Pedestrian Accessibility Score

Proximity and Quality of Pedestrian Environment score provides a measure of the average walkability in the TAZ surrounding Pasadena residents, based on a Pedestrian Accessibility metric. The Pedestrian proximity metric is a simple count of the number of land use types accessible to a Pasadena resident or employee in a given TAZ within a 5-minute walk.

The ten categories of land uses are:

- Retail
- Personal Services
- Restaurant
- Entertainment
- Office (including private sector and government offices)
- Medical (including medical office and hospital uses)
- Culture (including churches, religious and other cultural uses)
- Park and Open Space
- School (including elementary and high schools)
- College

The following table summarizes the City's Metrics for determining CEQA Caps:

Table 3. City of Pasadena CEQA Thresholds of Significance

METRIC	DESCRIPTION	IMPACT THRESHOLD
1. VMT Per Capita	Vehicle Miles Traveled (VMT) in the City of Pasadena per service population (population + jobs).	CEQA Threshold: An <u>increase</u> over existing Citywide VMT per Capita of 22.6.
2. VT Per Capita	Vehicle Trips (VT) in the City of Pasadena per service population (population + jobs).	CEQA Threshold: An <u>increase</u> over existing Citywide VT per Capita of 2.8.
3. Proximity and Quality of Bicycle Network	Percent of service population (population + jobs) within a quarter mile of bicycle facility types	CEQA Threshold: Any <u>decrease</u> in existing citywide 31.7% of service population (population + jobs) within a quarter mile of Level 1 & 2 bike facilities.
4. Proximity and Quality of Transit Network	Percent of service population (population + jobs) located within a quarter mile of transit facility types.	CEQA Threshold: Any <u>decrease</u> in existing citywide 66.6% of service population (population +

		jobs) within a quarter mile of Level 1 & 2 transit facilities.
5. Pedestrian Accessibility	The Pedestrian Accessibility Score uses the mix of destinations, and a network-based walk shed to evaluate walkability	CEQA Threshold: Any <u>decrease</u> in the Citywide Pedestrian Accessibility Score

V. Project Transportation Impact Analysis

Project analyses are based on the City's Transportation Impact Analysis Guidelines. Proposed projects are analyzed using the City's calibrated travel demand forecasting model (TDF) built on SCAG's regional model.

The City's TDF model uses TransCAD software to simulate traffic levels and travel patterns for the City of Pasadena. The program consists of input files that summarize the City's land uses, street network, travel characteristics, and other key factors. Using this data, the model performs a series of calculations to determine the amount of trips generated, the beginning and ending location of each trip, and the route taken by the trip. To be deemed accurate for project transportation impact on the transportation system, a model must be calibrated to a year in which actual land use data and traffic volumes are available and well documented. The Pasadena TDF has been calibrated to 2013 base year conditions using actual traffic counts, Census data, and land use data compiled by City staff with land uses' associated population and job increase estimates.

Projects with proposed land uses that are consistent with the General Plan and complimentary to their surrounding land uses are expected to reduce the trip length associated with adjacent land uses; and/or increase the service population access to pedestrians, bike, and transit facilities if the project is within a quarter mile of those facilities.

Table 4 summarizes the following analyses of the proposed project's impacts on the transportation system using the calibrated TDF model. The results are based on the project's vehicular and non-vehicular trip making characteristics, trip length, and its interaction with other surrounding/citywide land uses, and the City's transportation network.

Table 4. Transportation Performance Metrics Summary

Transportation Performance Metrics	Significant Impact Cap (existing)	Incremental change (existing + project)	Significant Impact?
VMT per Capita	>22.6	19.5	No
VT per Capita	>2.8	2.0	No
Proximity and Quality of Bicycle Network	<31.7%	32.0	No
Proximity and Quality of Transit Network	<66.6%	66.8	No
Pedestrian Accessibility	<3.9	3.9	No

The TDF model calculation results indicate that the project does not exceed any of the adopted CEQA thresholds of significance.

VI. Conclusion

The City of Pasadena Department of Transportation reviewed the application of a Planned Development and a variance for preserving two existing historic resources for a project involving the demolition of approximately 46,000 sf commercial and the construction of 151,000 sf medical office, 3,000 sf commercial, 184,376 sf senior living facility with 95 independent living units, 85,800 sf assisted living, 5,882 sf restaurant, and subterranean parking.

Using the City's Transportation Demand Model, DOT found that the proposed project did not exceed any of the CEQA transportation impact threshold metrics outlined in the City's guidelines.

VII. Appendices

Memorandum of Understanding

City's Travel Demand Forecasting Model Output/Results

Appendix:
Memorandum of Understanding

From: Robert Montano <robert.m@adept-dev.com>

Sent: Tuesday, November 03, 2020 4:10 PM

To: Viana, Conrad <cviana@cityofpasadena.net>; Rocha, Luis <lrocha@cityofpasadena.net>

Subject: Final Project Description

Conrad and Luis,

We have finalized the project description with square footages for each component. Please use these updated numbers for analysis.

Thank you and let me know if you have any questions.

RM

DEMOLITION

Demolition (total): 45,912 sf commercial

- ~12,676 sf Animal Hospital (491 S. Arroyo Parkway)
- ~21,437 sf Event Rentals (503 S. Arroyo Parkway)
- ~7,493 sf former Margarita Jones that is currently a catering kitchen (525 S. Arroyo Parkway)
- ~4,306 sf former Dona Rosa that is currently a restaurant (577 S. Arroyo Parkway)

CONSTRUCTION

MEDICAL OFFICE BUILDING

- 151,000 sf medical office
- 3,000 sf ground-floor commercial space

SENIOR LIVING FACILITY

- 184,376 sf senior living facility consisting of 98,576 sf of independent living units (up to 95 units) and 85,800 sf of assisted living.

EXISTING COMMERCIAL (Two existing historic buildings to remain)

- 5,882 sf commercial (use restaurant land use in analysis)

Appendix:
City's Travel Demand Forecasting Model Output/Results

491-577 South Arroyo Parkway

VMT/Cap and VT/Cap Calculations Summary

Daily Trips	Internal	External	Pop	136,161
Internal	351,900	337,003	Emp	112,252
External	337,003	491,027	Ext. Factor	50%

FINAL REDUCED DAILY VMT BY SPEED BIN					EMFAC INPUT
Speed	Internal	External	Regional	Total	
5	109	0	1,748	1,857	0%
10	675	135	14,419	15,229	0%
15	4,134	1,350	46,070	51,554	1%
20	16,460	4,479	75,511	96,451	2%
25	98,479	12,896	150,846	262,221	5%
30	494,625	61,509	276,290	832,423	15%
35	821,468	140,061	321,573	1,283,101	23%
40	200,580	55,566	226,441	482,586	9%
45	136,492	105,270	170,138	411,901	7%
50	112,753	2,087	212,657	327,497	6%
55	95,794	7,998	230,297	334,088	6%
60	123,466	15,548	239,118	378,132	7%
65	321,310	20,558	181,814	523,682	9%
70	3,650	0	531,256	534,907	11%
75	0	0	77,611	77,611	
80	0	0	0	0	
85	0	0	0	0	
SUM	2,429,995	427,458	2,755,787	5,613,240	100%

TOTAL RAW DAILY SUMMARY					
Metric	Internal	External	Regional	Total	Capita
VMT	2,429,995	854,916	5,511,574	8,796,485	35.4
VT	351,900	674,006	-	1,025,906	4.1
Length	6.9	1.3	-	8.6	-

REDUCED DAILY SUMMARY					
Metric	Internal	External	Regional	Total	Capita
VMT	2,429,995	427,458	2,755,787	5,613,240	22.6
VT	351,900	337,003	-	688,903	2.8
Length	6.9	1.3	-	8.1	-

FINAL DAILY SCENARIO SUMMARY					
Pop	Emp	VMT	VT	VMT/Cap	VT/Cap
136,161	112,252	5,613,240	688,903	22.6	2.8

2013 EXISTING SUMMARY					
Pop	Emp	VMT	VT	VMT/Cap	VT/Cap
135,938	111,348	5,591,328	686,619	22.6	2.8

INCREMENTAL SCENARIO RESULTS					
Pop	Emp	VMT	VT	VMT/Cap	VT/Cap
222	904	21,912	2,284	19.5	2.0
				PASS	PASS

491-577 South Arroyo Parkway

Proximity and Quality Metric Calculations Summary

Proximity and Quality of Bicycle Network				
Existing				
Facility Type	Service Population	Service Population Adjustment	Final Service Population	Percent of Service Population
Level 2	78,415	0	78,415	31.7%
Level 3	123,670	0	123,670	50.0%
No Facility	45,202	0	45,202	18.3%
Exist City Total	247,286	0	247,286	100.0%
Existing + Project				
Facility Type	Service Population	Service Population Adjustment	Final Service Population	Percent of Service Population
Level 2	78,415	1126.114146	79,541	32.0%
Level 3	123,670	0	123,670	49.8%
No Facility	45,202	0	45,202	18.2%
Exist City Total	247,286	1126.114146	248,413	100.0%
Proximity and Quality Metric Summary - Bicycle				
Network	Service Population Adjustment	Significant Impact Threshold	Service Population %	Impact?
Bike	1126.114146	< 31.7%	32.0%	No

Proximity and Quality of Transit Network				
Existing				
Facility Type	Service Population	Service Population Adjustment	Final Service Population	Percent of Service Population
Level 1	90,600	0	90,600	36.6%
Level 2	74,298	0	74,298	30.0%
Level 3	50,495	0	50,495	20.4%
No Facility	31,893	0	31,893	12.9%
Exist City Total	247,286	0	247,286	100.0%
Existing + Project				
Facility Type	Service Population	Service Population Adjustment	Final Service Population	Percent of Service Population
Level 1	90,600	1126.114146	91,726	36.9%
Level 2	74,298	0	74,298	29.9%
Level 3	50,495	0	50,495	20.3%
No Facility	31,893	0	31,893	12.8%
Exist City Total	247,286	1126.114146	248,413	100.0%
Proximity and Quality Metric Summary - Transit				
Network	Service Population Adjustment	Significant Impact Threshold	Service Population %	Impact?
Transit	1126.114146	< 66.6%	66.8%	No

491-577 South Arroyo Parkway

Pedestrian Accessibility Summary

Weighted Average:						3.892845718
PasadenaDTATAZ	Land Use Types	Population_In_TAZ	Employment_In_TAZ	Service_Population	Land Use Types	
24	7	195.459975	346.3633968	541.8233718	7	

Transportation Impact Analysis

CEQA Evaluation

Project Address: 491-577 South Arroyo Parkway

Project Summary: Demolition of approximately 46,000 sf commercial. Construction of 151,000 sf residential building with up to 197 units, 3,000 sf commercial, 184,376 sf senior living facility consisting of up to 95 independent living units and 85,800 sf assisted living. 5,882 sf restaurant to remain

Applicant: The Arroyo Parkway, LLC
716 Mission Street
South Pasadena, CA 91030

Attention: Luis Rocha, Zoning Administrator
City Planning Department

June 17, 2021

Table of Contents

I. Study Objective	1
II. Project Description.....	1
III. Existing Transportation Network.....	1
Street System Classifications	1
Existing Transit Service	3
IV. Transportation Analysis Methodology.....	5
Analysis Purpose.....	5
Analysis Cap Criteria - Transportation Performance Measures.....	5
VMT Per Capita	6
VT Per Capita	6
Proximity and Quality of Bicycle Network	7
Proximity and Quality of Transit Network.....	7
Pedestrian Accessibility Score.....	8
V. Project Transportation Impact Analysis	9
VI. Conclusion.....	10
VII. Appendices.....	10

List of Figures

Figure 1. Project Site Plan.....	2
Figure 2. City of Pasadena Adopted Street Types Map	4

List of Tables

Table 1. Bicycle Facilities Hierarchy.....	7
Table 2. Description of Transit Facilities.....	7
Table 3. City of Pasadena CEQA Thresholds of Significance	8
Table 4. Transportation Performance Metrics Summary	10

I. Study Objective

This report analyzed the impact the development will have on the City transportation system by estimating incremental changes in vehicle miles traveled (VMT) per capita, vehicle trips per capita (VT), the project impact on service population proximity access to transit and bike facilities, and walk accessibility score.

II. Project Description

The City of Pasadena Department of Transportation reviewed the application of a Planned Development and a variance for preserving two existing historic resources for a project involving the demolition of approximately 46,000 sf commercial and the construction of a 151,000 sf residential building with up to 197 units, 3,000 sf commercial, 184,376 sf senior living facility with 95 independent living units, 85,800 sf assisted living, 5,882 sf restaurant, and subterranean parking.

Figure 1 depicts the project's site plan. Two driveways are located along Arroyo Parkway, and one driveway is located along California Boulevard.

III. Existing Transportation Network

Street System Classifications

Raymond Avenue is a north/south **Neighborhood Connector** between Corson Street to Del Mar Boulevard, and a **City Connector** between Del Mar Boulevard to Glenarm Street. Raymond Avenue does not have bike lanes south of Maple Street. It has a speed limit of 35 mph between California Boulevard and Glenarm Street, and 30 mph between California Boulevard and Green Street.

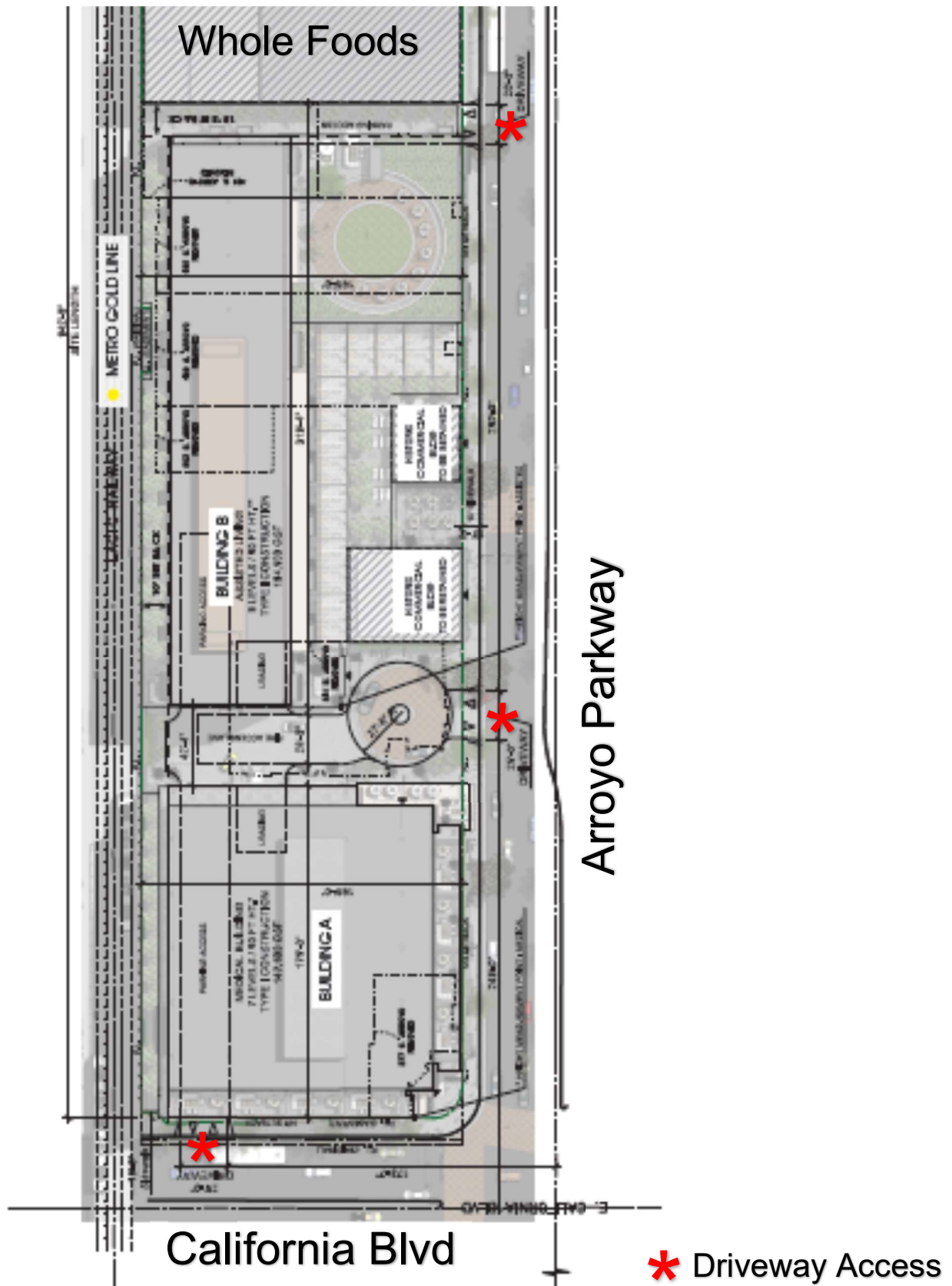
Arroyo Parkway is a north/south **Access Road** between Holly Street to Colorado Boulevard, and a **City Connector** between Colorado Boulevard to the SR-110 freeway. In the vicinity of the project, Arroyo Parkway is a four-lane divided roadway with time limited parking on both sides of the roadway. It has a 35 mph speed limit in the project vicinity. Arroyo Parkway is not designated as a bike lane or route.

Marengo Avenue is a north/south **City Connector** between Orange Grove Boulevard and Del Mar Boulevard, and a **Neighborhood Connector** north of Orange Grove Boulevard to the northern City limits and south of Del Mar Boulevard to the southern City limits. Bike lanes are present south of Cordova Street to Glenarm Street.

Cordova Street is a four-lane, east/west **Neighborhood Connector** with two lanes in each direction. The posted speed limit on Cordova Street is 35 mph. A future road diet is proposed along a section of this roadway, which will include bike lanes.

Del Mar Boulevard is an east/west **City Connector** that generally offers two lanes in each direction. The speed limit is 35 mph. Del Mar Boulevard is designated as a Class III Bike Route between Saint John Avenue and Wilson Avenue, and a Class III Enhanced Bike Route east of Wilson Avenue.

Figure 1. Project Site Plan



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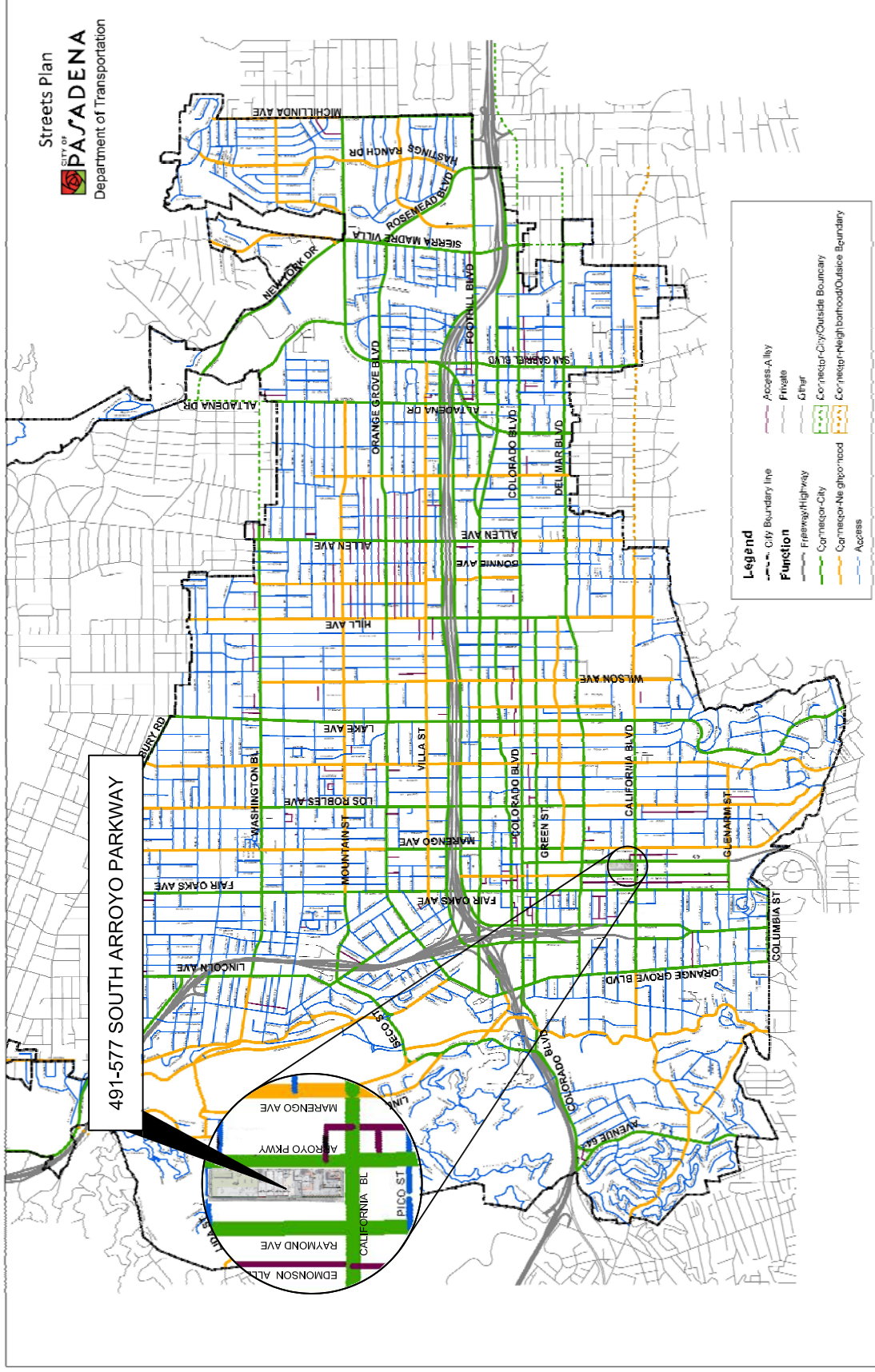
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VT Per Capita

Vehicle Trips (VT) per Capita is a measure of motor vehicle trips associated with the City. The measure sums the trips with origins and destination within the City of Pasadena, as generated by the 2013 Trip-based citywide Travel Demand Model. The regional VT is calculated by adding the VT associated with trips generated and attracted within City of Pasadena boundaries, and 50% of the VT associated with trips that either begin or end in the City, but have one trip end outside of the City. The City’s VT is then divided by the City’s total service population, defined as the population plus the number of jobs.

As with VMT, VT itself will likely increase with the addition of new residents, but the City can reduce VT on a per-capita basis with land use policies that help Pasadena residents meet their daily needs within a short distance of home, reducing trip lengths, and by encouraging development in areas with access to various modes of transportation other than auto.

Proximity and Quality of Bicycle Network

The Proximity and Quality of Bicycle Network provides a measure of the percent of the City's service population (population + jobs) within a quarter mile of bicycle facility types. The facility types are aggregated into three hierarchy levels, obtained from the City's (Draft) Bicycle Transportation Plan categories as shown in the following table:

Table 1. Bicycle Facilities Hierarchy

LEVEL	DESCRIPTION	FACILITIES INCLUDED
1	Advanced Facilities	Bike Paths Multipurpose Paths Cycle Tracks/Protected Bike Lanes
2	Dedicated Facilities	Buffered Bike Lanes Bike Lanes Bike Boulevards
3	Basic Facilities	Bike Routes Enhanced Bike Routes Emphasized Bikeways

For each bike facility level, a quarter-mile network distance buffer is calculated and the total service population (population + jobs) within the buffer is identified.

The City can improve measures of Bike Facility Access by improving and expanding existing bike facilities and by encouraging residential and commercial development in areas with high-quality bike facilities.

Proximity and Quality of Transit Network

The Proximity and Quality of Transit Network provides a measure of the percent of the City's service population (population + jobs) within a quarter mile of each of each of three transit facility types, as defined in the following table:

Table 2. Description of Transit Facilities

TRANSIT FACILITIES HIERARCHY	
LEVEL	FACILITIES INCLUDED
1	Includes all Gold Line stops as well as corridors with transit service, whether it be a single route or multiple routes combined, with headways of five minutes or less during the peak periods.
2	Includes corridors with transit headways of between six and 15 minutes in peak periods.
3	Includes corridors with transit headways of 16 minutes or more at peak periods.

For each facility level, a quarter-mile network distance buffer is calculated and the total service population (population + jobs) within the buffer is identified. The City can improve the measures of Transit Proximity and Quality by reducing headways on existing transit routes, by expanding transit routes to cover new areas, and by encouraging residential and commercial development to occur in areas with an already high-quality transit service.

Pedestrian Accessibility Score

Proximity and Quality of Pedestrian Environment score provides a measure of the average walkability in the TAZ surrounding Pasadena residents, based on a Pedestrian Accessibility metric. The Pedestrian proximity metric is a simple count of the number of land use types accessible to a Pasadena resident or employee in a given TAZ within a 5-minute walk.

The ten categories of land uses are:

- Retail
- Personal Services
- Restaurant
- Entertainment
- Office (including private sector and government offices)
- Medical (including medical office and hospital uses)
- Culture (including churches, religious and other cultural uses)
- Park and Open Space
- School (including elementary and high schools)
- College

The following table summarizes the City's Metrics for determining CEQA Caps:

Table 3. City of Pasadena CEQA Thresholds of Significance

METRIC	DESCRIPTION	IMPACT THRESHOLD
1. VMT Per Capita	Vehicle Miles Traveled (VMT) in the City of Pasadena per service population (population + jobs).	CEQA Threshold: An <u>increase</u> over existing Citywide VMT per Capita of 22.6.
2. VT Per Capita	Vehicle Trips (VT) in the City of Pasadena per service population (population + jobs).	CEQA Threshold: An <u>increase</u> over existing Citywide VT per Capita of 2.8.
3. Proximity and Quality of Bicycle Network	Percent of service population (population + jobs) within a quarter mile of bicycle facility types	CEQA Threshold: Any <u>decrease</u> in existing citywide 31.7% of service population (population + jobs) within a quarter mile of Level 1 & 2 bike facilities.
4. Proximity and Quality of Transit Network	Percent of service population (population + jobs) located within a quarter mile of transit facility types.	CEQA Threshold: Any <u>decrease</u> in existing citywide 66.6% of service population (population +

		jobs) within a quarter mile of Level 1 & 2 transit facilities.
5. Pedestrian Accessibility	The Pedestrian Accessibility Score uses the mix of destinations, and a network-based walk shed to evaluate walkability	CEQA Threshold: Any <u>decrease</u> in the Citywide Pedestrian Accessibility Score

V. Project Transportation Impact Analysis

Project analyses are based on the City's Transportation Impact Analysis Guidelines. Proposed projects are analyzed using the City's calibrated travel demand forecasting model (TDF) built on SCAG's regional model.

The City's TDF model uses TransCAD software to simulate traffic levels and travel patterns for the City of Pasadena. The program consists of input files that summarize the City's land uses, street network, travel characteristics, and other key factors. Using this data, the model performs a series of calculations to determine the amount of trips generated, the beginning and ending location of each trip, and the route taken by the trip. To be deemed accurate for project transportation impact on the transportation system, a model must be calibrated to a year in which actual land use data and traffic volumes are available and well documented. The Pasadena TDF has been calibrated to 2013 base year conditions using actual traffic counts, Census data, and land use data compiled by City staff with land uses' associated population and job increase estimates.

Projects with proposed land uses that are consistent with the General Plan and complimentary to their surrounding land uses are expected to reduce the trip length associated with adjacent land uses; and/or increase the service population access to pedestrians, bike, and transit facilities if the project is within a quarter mile of those facilities.

Table 4 summarizes the following analyses of the proposed project's impacts on the transportation system using the calibrated TDF model. The results are based on the project's vehicular and non-vehicular trip making characteristics, trip length, and its interaction with other surrounding/citywide land uses, and the City's transportation network.

Table 4. Transportation Performance Metrics Summary

Transportation Performance Metrics	Significant Impact Cap (existing)	Incremental change (existing + project)	Significant Impact?
VMT per Capita	>22.6	8.2	No
VT per Capita	>2.8	1.4	No
Proximity and Quality of Bicycle Network	<31.7%	32.0	No
Proximity and Quality of Transit Network	<66.6%	66.8	No
Pedestrian Accessibility	<3.9	3.9	No

The TDF model calculation results indicate that the project does not exceed any of the adopted CEQA thresholds of significance.

VI. Conclusion

The City of Pasadena Department of Transportation reviewed the application of a Planned Development and a variance for preserving two existing historic resources for a project involving the demolition of approximately 46,000 sf commercial and the construction of a 151,000 sf residential building with up to 197 units, 3,000 sf commercial, 184,376 sf senior living facility with 95 independent living units, 85,800 sf assisted living, 5,882 sf restaurant, and subterranean parking.

Using the City's 2013 Transportation Demand Model, DOT found that the proposed project did not exceed any of the CEQA transportation impact threshold metrics outlined in the City's guidelines.

VII. Appendices

Memorandum of Understanding

City's Travel Demand Forecasting Model Output/Results

Appendix:
Memorandum of Understanding

Viana, Conrad

From: Betty Siwy <bsiwy@edgewoodrealty.com>
Sent: Thursday, June 03, 2021 5:31 PM
To: Viana, Conrad; Van Patten, Jason
Subject: The Affinity

CAUTION: This email was delivered from the Internet. Do not click links or open attachments unless you **know** the content is safe. Report phish using the Phish Alert Button. [Learn more...](#)

Hi Conrad,

As requested, please see the information below required for the traffic study.

Project Address

491-577 South Arroyo Parkway
Pasadena, CA 91105

Project Description

Demolition: 45,912 sf commercial

~12,676 sf Animal Hospital (491 S. Arroyo Parkway)

~21,437 sf Event Rentals (503 S. Arroyo Parkway)

~7,493 sf former Margarita Jones that is currently a restaurant (525 S. Arroyo Parkway)

~4,306 sf former Dona Rosa that is currently a restaurant (577 S. Arroyo Parkway)

Construction:

Residential Building

151,000 sf with up to 197 residential units
3,000 sf ground-floor commercial space

Senior Living Facility

184,376 sf senior living facility consisting of 98,576 sf of independent living units (up to 95 units)
and 85,800 sf of assisted living.

Existing Commercial (Two existing historic buildings)

5,882 sf commercial (use restaurant land use in analysis)

Name of Applicant

Appendix:
City's Travel Demand Forecasting Model Output/Results

491-577 South Arroyo Parkway

VMT/Cap and VT/Cap Calculations Summary

Daily Trips	Internal	External	Pop	136,563
Internal	351,620	336,246	Emp	111,620
External	336,246	491,130	Ext. Factor	50%

FINAL REDUCED DAILY VMT BY SPEED BIN					EMFAC INPUT
Speed	Internal	External	Regional	Total	
5	109	0	1,742	1,851	0%
10	674	135	14,369	15,177	0%
15	4,136	1,270	45,909	51,314	1%
20	16,832	4,554	75,245	96,631	2%
25	95,831	12,506	150,321	258,658	5%
30	493,451	61,709	275,333	830,493	15%
35	821,896	139,302	320,477	1,281,674	23%
40	201,312	55,914	225,651	482,877	9%
45	135,966	104,986	169,536	410,488	7%
50	112,562	2,076	211,917	326,555	6%
55	95,624	7,980	229,494	333,099	6%
60	120,031	15,506	238,314	373,851	7%
65	323,830	20,506	181,207	525,543	9%
70	3,640	0	529,500	533,140	11%
75	0	0	77,345	77,345	
80	0	0	0	0	
85	0	0	0	0	
SUM	2,425,894	426,443	2,746,360	5,598,697	100%

TOTAL RAW DAILY SUMMARY					
Metric	Internal	External	Regional	Total	Capita
VMT	2,425,894	852,886	5,492,721	8,771,501	35.3
VT	351,620	672,493	-	1,024,113	4.1
Length	6.9	1.3	-	8.6	-

REDUCED DAILY SUMMARY					
Metric	Internal	External	Regional	Total	Capita
VMT	2,425,894	426,443	2,746,360	5,598,697	22.6
VT	351,620	336,246	-	687,866	2.8
Length	6.9	1.3	-	8.1	-

FINAL DAILY SCENARIO SUMMARY					
Pop	Emp	VMT	VT	VMT/Cap	VT/Cap
136,563	111,620	5,598,697	687,866	22.6	2.8

2013 EXISTING SUMMARY					
Pop	Emp	VMT	VT	VMT/Cap	VT/Cap
135,938	111,348	5,591,328	686,619	22.6	2.8

INCREMENTAL SCENARIO RESULTS					
Pop	Emp	VMT	VT	VMT/Cap	VT/Cap
624	272	7,369	1,247	8.2	1.4
				PASS	PASS

491-577 South Arroyo Parkway

Proximity and Quality Metric Calculations Summary

Proximity and Quality of Bicycle Network				
Existing				
Facility Type	Service Population	Service Population Adjustment	Final Service Population	Percent of Service Population
Level 2	78,415	0	78,415	31.7%
Level 3	123,670	0	123,670	50.0%
No Facility	45,202	0	45,202	18.3%
Exist City Total	247,286	0	247,286	100.0%
Existing + Project				
Facility Type	Service Population	Service Population Adjustment	Final Service Population	Percent of Service Population
Level 2	78,415	896.1949826	79,311	32.0%
Level 3	123,670	0	123,670	49.8%
No Facility	45,202	0	45,202	18.2%
Exist City Total	247,286	896.1949826	248,183	100.0%
Proximity and Quality Metric Summary - Bicycle				
Network	Service Population Adjustment	Significant Impact Threshold	Service Population %	Impact?
Bike	896.1949826	< 31.7%	32.0%	No

Proximity and Quality of Transit Network				
Existing				
Facility Type	Service Population	Service Population Adjustment	Final Service Population	Percent of Service Population
Level 1	90,600	0	90,600	36.6%
Level 2	74,298	0	74,298	30.0%
Level 3	50,495	0	50,495	20.4%
No Facility	31,893	0	31,893	12.9%
Exist City Total	247,286	0	247,286	100.0%
Existing + Project				
Facility Type	Service Population	Service Population Adjustment	Final Service Population	Percent of Service Population
Level 1	90,600	896.1949826	91,497	36.9%
Level 2	74,298	0	74,298	29.9%
Level 3	50,495	0	50,495	20.3%
No Facility	31,893	0	31,893	12.9%
Exist City Total	247,286	896.1949826	248,183	100.0%
Proximity and Quality Metric Summary - Transit				
Network	Service Population Adjustment	Significant Impact Threshold	Service Population %	Impact?
Transit	896.1949826	< 66.6%	66.8%	No

491-577 South Arroyo Parkway

Pedestrian Accessibility Summary

Weighted Average:						3.891820038
PasadenaDTATAZ	Land Use Types	Population_In_TAZ	Employment_In_TAZ	Service_Population	Land Use Types	
24	7	195.459975	346.3633968	541.8233718	7	



PLANNING & COMMUNITY DEVELOPMENT DEPARTMENT
PLANNING DIVISION

May 28, 2020

Sam Dunlap
Gabrielino-Tongva Tribe
Email: TongvaTCR@gmail.com

Subject: Assembly Bill (AB) 52 (Public Resources Code §21080.3.1): The Affinity Project
located in the City of Pasadena, Los Angeles County, California

Dear Mr. Dunlap,

The City of Pasadena (City) is the lead agency, pursuant to the California Environmental Quality Act (CEQA), for the Environmental Impact Report (EIR) being prepared for The Affinity Project (Project). The Project proposes partial redevelopment of an approximate 3.3-acre site encompassing the nine commercial properties located between 465 and 557 South Arroyo Parkway. As illustrated on Exhibit 1, the site is bound by East California Boulevard on the north, the Metro Gold Line on the west, East Bellevue Drive on the south, and South Arroyo Parkway on the east. The Project Applicant proposes demolishing six of the nine existing structures and constructing a 147,500-gross square feet (gsf), 7-story building with 144,500 gsf of medical office uses and 3,000-gsf of ground-floor commercial uses; and a 184,500-gsf, 8-story assisted living facility that would include 90 independent senior housing units. Three of the existing structures would be retained and integrated into the Project, including the Whole Foods grocery store and subterranean parking and the two historic structures at 501 and 523 South Arroyo Parkway. Four levels of subterranean parking would be constructed to serve the proposed land uses. The Project would not require a General Plan Amendment or Zone Change.

AB 52 requires lead agencies to consult with California Native American tribes that request such consultation in writing prior to the agency's release of a Notice of Preparation (NOP) of an EIR or notice of a Mitigated Negative Declaration (MND), or Negative Declaration (ND). To that end, the City is notifying you of this Project. AB 52 allows tribes 30 days after receiving notification to request consultation. However, the State of California also recognizes that due to the COVID-19 pandemic, some local governments and California Native American tribes may find it difficult to engage in the consultation required by the CEQA. In response to these difficulties, and pursuant to Executive Order (EO) N-54-20, signed April 22, 2020, certain timeframes for tribal consultation required under AB 52 have been suspended for 60 days. Specifically, the EO suspends the timeframes governing when a tribe must request consultation and when lead agencies must begin the consultation process for an EIR, ND, or MND. These provisions remain in effect through June 21, 2020 and grant the tribes until June 22 before requesting consultation from a lead agency.

Your participation in this local planning process is important. If you possess any information or knowledge regarding Native American Sacred Lands or other tribal cultural resources in and around the Project site and wish to consult with the City regarding these resources or mitigation measures to reduce the Project's impacts on them, please direct your email to Luis Rocha at lrocha@cityofpasadena.net or submit your written correspondence on this matter to:

Luis Rocha
Senior Planner
Planning and Community Development Department
175 North Garfield Avenue
Pasadena, California 91101

Exhibit 1: Project Location

State of California -- The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
LOCATION MAP

Primary #
HRI #
Trinomial

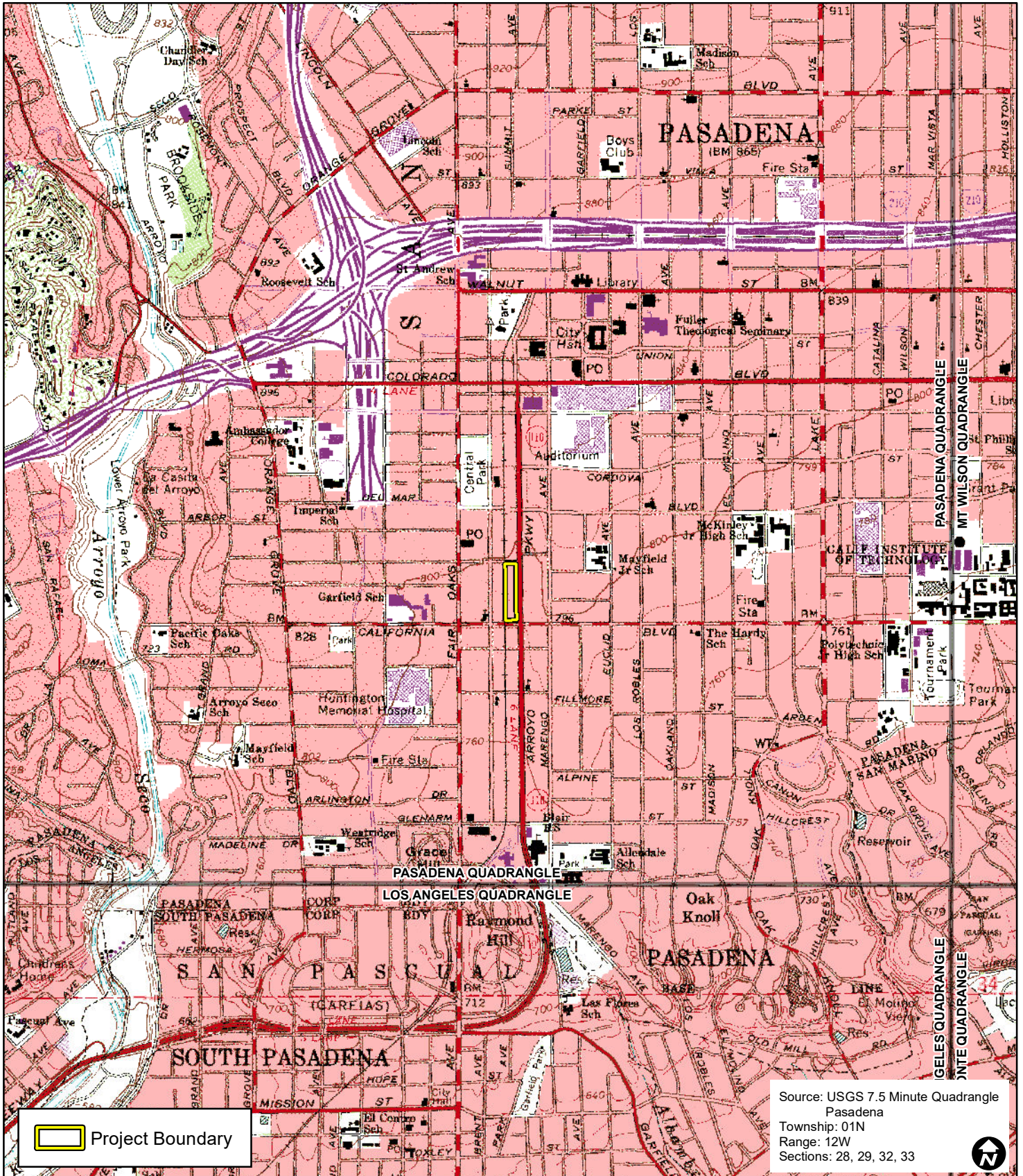
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*Resource Name or #: _____

*Map Name: Pasadena

*Scale: 1:24,000

*Date of Map: Digital 2014





PLANNING & COMMUNITY DEVELOPMENT DEPARTMENT
PLANNING DIVISION

May 28, 2020

Andrew Salas, Chairman
Gabrieleño Band of Mission Indians – Kizh Nation
PO Box 393
Covina, CA 91723
Email: admin@gabrielenoindians.org

Subject: Assembly Bill (AB) 52 (Public Resources Code §21080.3.1): The Affinity Project
located in the City of Pasadena, Los Angeles County, California

Dear Mr. Salas,

The City of Pasadena (City) is the lead agency, pursuant to the California Environmental Quality Act (CEQA), for the Environmental Impact Report (EIR) being prepared for The Affinity Project (Project). The Project proposes partial redevelopment of an approximate 3.3-acre site encompassing the nine commercial properties located between 465 and 557 South Arroyo Parkway. As illustrated on Exhibit 1, the site is bound by East California Boulevard on the north, the Metro Gold Line on the west, East Bellevue Drive on the south, and South Arroyo Parkway on the east. The Project Applicant proposes demolishing six of the nine existing structures and constructing a 147,500-gross square feet (gsf), 7-story building with 144,500 gsf of medical office uses and 3,000-gsf of ground-floor commercial uses; and a 184,500-gsf, 8-story assisted living facility that would include 90 independent senior housing units. Three of the existing structures would be retained and integrated into the Project, including the Whole Foods grocery store and subterranean parking and the two historic structures at 501 and 523 South Arroyo Parkway. Four levels of subterranean parking would be constructed to serve the proposed land uses. The Project would not require a General Plan Amendment or Zone Change.

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Luis Rocha
Senior Planner
Planning and Community Development Department
175 North Garfield Avenue
Pasadena, California 91101

Exhibit 1: Project Location

State of California -- The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
LOCATION MAP

Primary #
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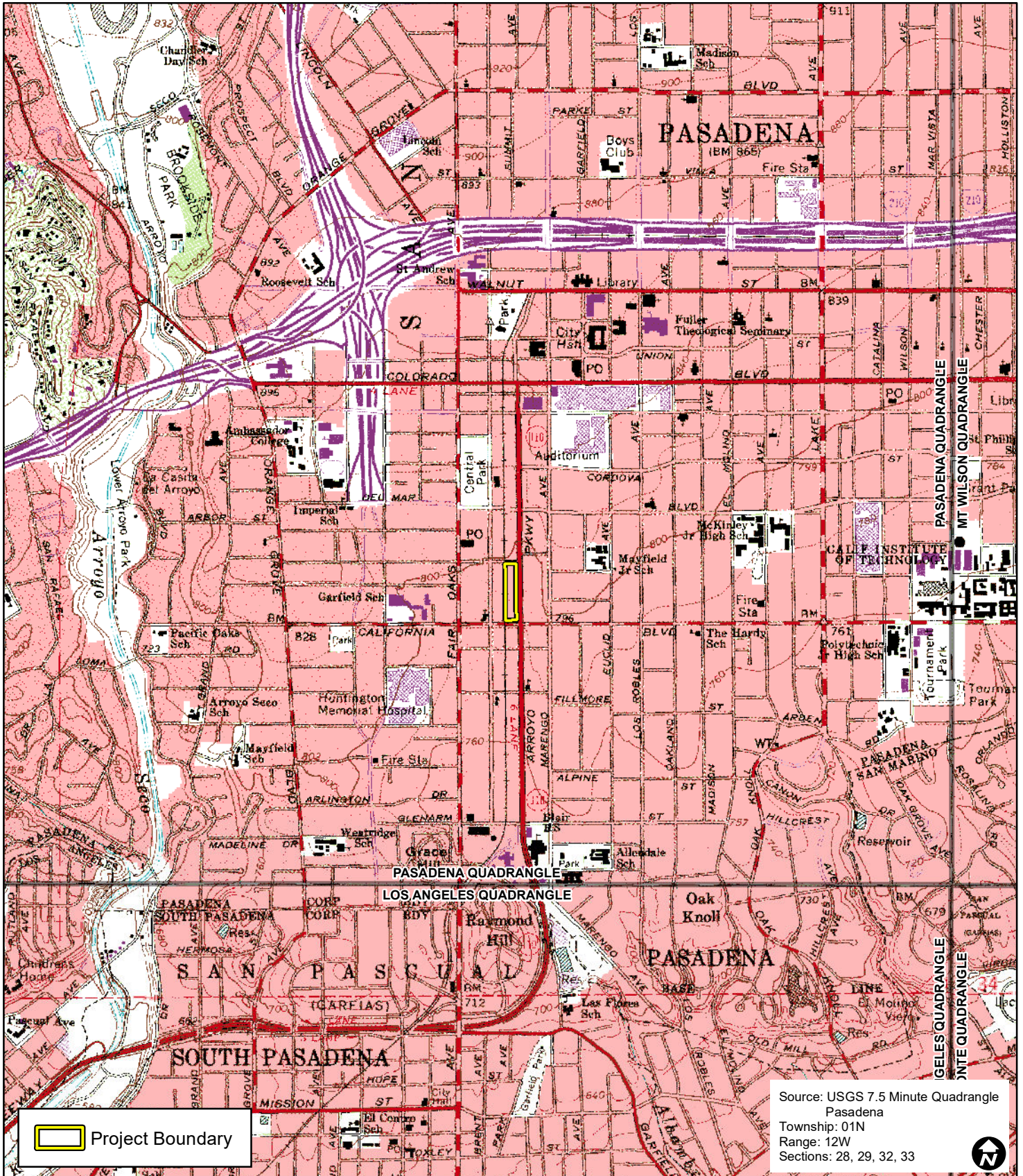
Page 1 of 1

*Resource Name or #: _____

*Map Name: Pasadena

*Scale: 1:24,000

*Date of Map: Digital 2014



AFFINITY PROJECT

Water Supply Assessment

Prepared for
The Arroyo Parkway, LLC

January 2022



AFFINITY PROJECT

Water Supply Assessment

Prepared for
The Arroyo Parkway, LLC

January 2022

626 Wilshire Boulevard
Suite 1100
Los Angeles, CA 90017
213.599.4300
esassoc.com



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CONTENTS

Affinity Project Water Supply Assessment

	<u>Page</u>
Section 1, Introduction.....	1-1
1.1 Project Overview	1-2
1.1.1 Project Location	1-2
1.1.2 Project Description	1-2
1.2 Document Structure	1-5
Section 2, City Information and Proposed Project Land Use Designation	2-1
2.1 Local Land Use Designations	2-1
2.1.1 Existing General Plan Land Use and Zoning Designations.....	2-3
2.2 City Population and Community	2-3
Section 3, Water Supply Planning	3-1
3.1 Water Supply Planning under SB 610 and SB 221	3-1
3.1.1 “Is the Project Subject to CEQA?”	3-2
3.1.2 “Is It a Project under SB 610?”	3-2
3.1.3 “Is There a Public Water System?”	3-3
3.1.4 “Is There a Current UWMP That Accounts for the Project Demand?”	3-5
3.1.5 “Is Groundwater a Component of the Supplies for the Project?”	3-6
3.1.6 “Are There Sufficient Supplies to Serve the Project over the Next Twenty Years?”	3-6
Section 4, Water Supply Setting	4-1
4.1 Climate	4-1
4.2 Supply Sources	4-2
4.2.1 Imported Water Supplies	4-3
4.2.2 Local Groundwater.....	4-3
4.2.3 Raymond Basin Description.....	4-4
4.2.4 Raymond Basin Judgement.....	4-6
4.2.5 Surface Runoff Spreading Credits	4-6
4.2.6 Groundwater Production	4-6
4.3 Summary of Existing and Planned Sources of Water	4-7
4.3.1 Water Management Plans and Programs	4-7
4.4 Water Supply Reliability	4-8
4.4.1 MWD Supply Reliability.....	4-9
4.4.2 Groundwater Supply Reliability.....	4-10
4.4.3 Reliability Results.....	4-11
Section 5, Water Demands	5-1
5.1 Recent, Historical, and Projected Demands.....	5-1
5.1.1 City 2020 Demand	5-1
5.1.2 City Projected Demands	5-2
5.1.3 Proposed Project Demands	5-4
Section 6, Supply-Demand Comparison	6-1

	<u>Page</u>
6.1 MWD's Water Supply Sufficiency	6-1
6.2 Local Water Supply Sufficiency	6-1
6.2.1 Multiple-Dry Years.....	6-3
Section 7, Conclusion	7-1
Section 8, References	8-1

Figures

Figure 1-1 Regional Location and Local Vicinity	1-3
Figure 1-2 Project Site Plan	1-6
Figure 2-1 General Plan Land Use	2-2
Figure 3-1 PWP Service Area	3-4
Figure 4-1 Raymond Groundwater Basin Subareas.....	4-5

Tables

Table 1-1 Proposed Project Development Plans	1-2
Table 1-2 Building A Residential/Commercial Development Plans	1-4
Table 2-1 Population – Current and Projected	2-3
Table 4-1 Average Annual Precipitation, Evapotranspiration, and Irrigation Demands	4-2
Table 4-2 Pasadena Water Supply Sources and Quantities (afy)	4-3
Table 4-3 Imported Water Supplies (afy).....	4-3
Table 4-4 Groundwater Volume Pumped (AF).....	4-7
Table 4-5 Total Water Supplies Produced or Purchased by Pasadena in 2020.....	4-7
Table 4-6 Basis of Water Year Data (Reliability Assessment)	4-11
Table 5-1 PWP's 2020 Water Demands.....	5-2
Table 5-2 Projected Water Demand (af).....	5-3
Table 5-3 Building A with Medical Office/Commercial Water Demand	5-5
Table 5-4 Building A with Residential/Commercial Water Demand	5-6
Table 5-5 Historical Water Demands (Calculated).....	5-7
Table 6-1 Pasadena Normal-Year Supply and Demand Comparison – Potable (afy)	6-2
Table 6-2 Single-Dry-Year Supply and Demand Comparison – Potable (afy).....	6-3
Table 6-3 Multiple-Dry-Year Supply and Demand Comparison (afy).....	6-3
Table 6-4 Five-year Drought Risk Assessment.....	6-5

SECTION 1

Introduction

In 2001, California adopted Senate Bill (SB) 610¹ and SB 221, thereby amending the California Water Code (Water Code). Under these new laws, certain types of development projects are now required to provide detailed water supply assessments to planning agencies. Any proposed project that is subject to CEQA and meets specific land use criteria or would generate new water demands equal to or greater than 500 dwelling units, is subject to SB 610 and is required to prepare a Water Supply Assessment (WSA).

The primary purpose of a WSA is to determine whether the identified water supply or water supplier will be able to meet projected demands for a proposed project, in addition to existing and planned future uses, over a 20-year planning period in normal, single-dry, and multiple-dry water years. Secondly, a WSA provides decision-makers a regional framework on which to base a decision about the sufficiency of water supplies for a proposed project.

The proposed Project is subject to the California Environmental Quality Act (CEQA) and is a mixed-use development that includes one or more elements within a large-scale development that align with Water Code Section 10912(a) (refer to Section 3). However, upon review of the Project description, proposed land use and square footages (see section 1.1.2 below and potential water demand generated by the Project, it was determined that a WSA is not required. *Therefore, for conservative water supply planning purposes and to demonstrate water supply reliability, this WSA is provided for informational purposes and follows the SB 610 guidance with references to specific Water Code sections.*

This WSA assesses the availability of identified water supplies under normal-, single-dry-, and multiple-dry-year conditions, accounting for the projected water demand of the Proposed Project in addition to other existing and planned future uses of the identified water supply. This WSA examines the regional water providers and their supplies (Section 4.2), the reliability of these sources (Section 4.4), the projected short- and long-term water demand of the Project (Section 5), and the supply versus demand as required in a WSA (Section 6).

¹ An act to amend Public Resources Code Section 21151.9; to amend Water Code Sections 10631, 10656, 10910, 10911, 10912, and 10915; to repeal Water Code Section 10913; and to add and repeal Water Code Section 10657 relating to water.

1.1 Project Overview

1.1.1 Project Location

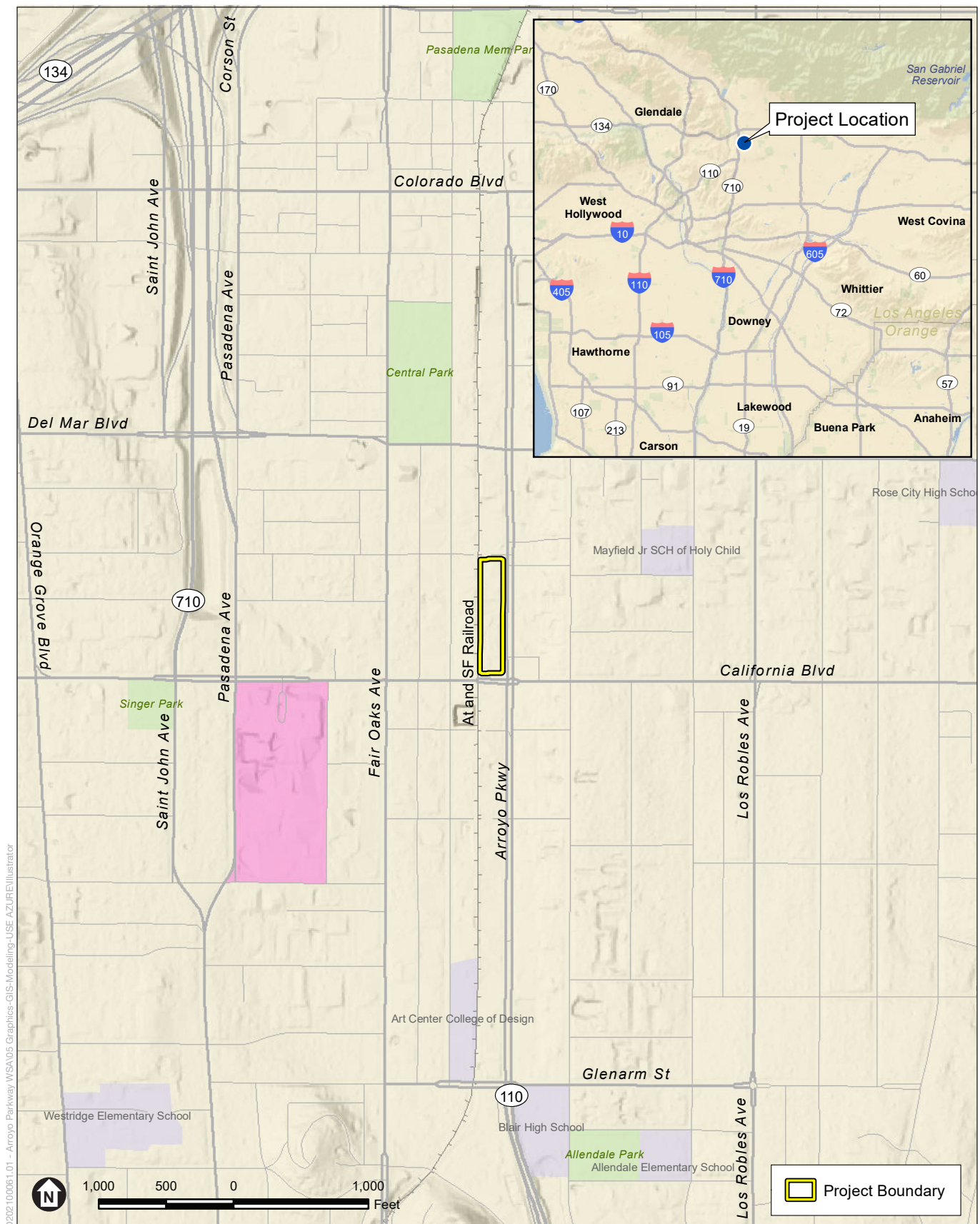
The Project site consists of an approximately 3.3-acre site located between 465 and 577 South Arroyo Parkway, City of Pasadena, within the County of Los Angeles, California. The Project site is bound by East Bellevue Drive on the north, South Arroyo Parkway on the east, East California Boulevard on the south, and the Metro L (Gold) Line on the west. Regional access to the site is provided by State Route (SR) 110 approximately 0.6-mile due south on Arroyo Parkway and SR 134 and I-210 approximately 1.0-mile north on Fair Oaks Avenue. The general vicinity and relationship of the Project site to surrounding streets is illustrated in **Figure 1-1**.

1.1.2 Project Description

The Project would rezone the Project site from CD-6 (Central District Specific Plan [CDSP], Arroyo Corridor/Fair Oaks subdistrict), to a Planned Development (PD) zone with a corresponding PD Plan. The Project involves demolition of six existing buildings totaling approximately 45,912 square feet (sf), located at 491, 495, 499, 503, 541, and 577 South Arroyo Parkway and construction of two new buildings: (1) a 154,000-square foot (sf), 7-story medical office building with ground-floor commercial uses (Building A); and (2) a 184,376-sf, 7-story assisted living building with 85,800 sf of assisted living uses and 98,576 sf of independent living uses including up to 95 one- and two-bedroom senior housing units (Building B). There would be up to five subterranean levels providing up to 850 parking spaces. Approximately 31,605 sf of open space, including public and private (for solely resident and staff use) space would be provided across the Project site. See **Table 1-1** below.

TABLE 1-1
PROPOSED PROJECT DEVELOPMENT PLANS

	Medical Office Building (A) sf	Assisted Living Facility (B) sf
Ground	14,635	25,377
2 nd	23,028	31,269
3 rd	26,671	29,107
4 th	26,671	29,107
5 th	26,671	29,107
6 th	21,162	21,299
7 th	21,162	19,110
Total Gross Square Footage	154,000	184,376
753,439 (Including five subterranean levels spanning both buildings)		
Parking	Up to 850 spaces	
Open Space	8,676	22,929
Total Aboveground Built Area (Existing + Proposed)	417,929	
Source: Affinity Development Plan		



SOURCE: Psomas, 2021

Affinity Project WSA

Figure 1-1
Regional Location and Local Vicinity

Alternatively, the corresponding PD Plan would provide the flexibility to exchange the uses in Building A from medical office and ground floor commercial to the following:

- 3,000 sf of commercial and a sales/leasing management office on the ground floor;
- Up to 197 residential dwelling units; and
- Up to 650 parking spaces in four subterranean levels (one less than the Project as proposed).

The flexibility to exchange uses in Building A would enable the Project to respond to the economic needs and demands of the City at the time of Project implementation. The site layout and the aboveground height, mass, and other parameters of the Building A design would remain the same. The PD Plan would define all aspects of site design and provide limits on the types and amounts of allowable land uses, regardless of whether Building A is developed with medical office or residential dwelling units. It is noted that based on the development limit of 87 dwelling units per acre (du/acre), a total of 289 units could be constructed. Therefore, if a total of 197 units were constructed in Building A, only 92 independent living units could be constructed in Building B. Conversely, if 95 independent living units were constructed in Building B, only 194 units could be constructed in Building A. See **Table 1-2** below.

TABLE 1-2
BUILDING A RESIDENTIAL/COMMERCIAL DEVELOPMENT PLANS

	Residential/Commercial Building (A)	Assisted Living Facility (B)
Differences from Project Scenario	Up to 197 dwelling units 3,000 sf of ground-floor commercial	Same as Project
Total Square Footages	154,000	184,376
670,427 (Including four subterranean levels spanning both buildings) ^a		
Parking	Up to 650 spaces	
Open Space	8,676	22,929
Total Aboveground Built Area (Existing + Proposed)	417,929	

NOTES:

^a Reflects one less subterranean parking level, all other floor area sizes are the same.
sf: square feet; N/A: not applicable; FAR: floor area ratio

Source: Affinity Project Development Plan

Throughout this WSA, these two planned development scenarios are referred to as:

- Project (development of Building A with medical office/commercial); and
- Project with Building A Residential/Commercial (development of Building A with residential/commercial).

Approximately 79,553 sf of the existing development would be retained and integrated into the Proposed Project, including the Whole Foods grocery store and associated 275-space subterranean parking structure at 465 South Arroyo Parkway and the two historic structures at 501 and 523 South Arroyo Parkway. Restaurant uses are anticipated to occupy the approximately 5,882 sf of space in the existing buildings to be retained at 501 and 523 South Arroyo Parkway.

A total of five levels of subterranean parking spanning both proposed buildings would also be constructed to serve the new development as well as the existing structures at 501 and 523 Arroyo Parkway under the Project. For the Project with Building A Residential/Commercial, a total of four levels of subterranean parking spanning both proposed buildings with up to 650 parking spaces would be constructed.

The Project site is situated within the Central District Specific Plan and zoned CD-6 (Central District Specific Plan, Arroyo Corridor/Fair Oaks subdistrict). The City General Plan land use designation for the Project site is High Mixed Use. As mentioned, the Project involves approval to rezone the site as a PD district. The Project includes a request for a zoning variance for historic resources related to building height. Specifically, the request involves an increase in allowable building height to offset the reduction in developable area due to preserving the two historic structures on the Project site.

The Project is anticipated to be constructed beginning in 2023 and extending over a period of approximately 34 months. Project construction would occur from Monday through Saturday, without activity on Sundays or holidays, between the hours defined in Section 9.36.070 (Construction Projects) of the City of Pasadena Municipal Code (PMC) (7:00 AM to 7:00 PM Monday through Friday and 8:00 AM to 5:00 PM on Saturday). The Project is anticipated to be opened to the public in 2026.

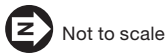
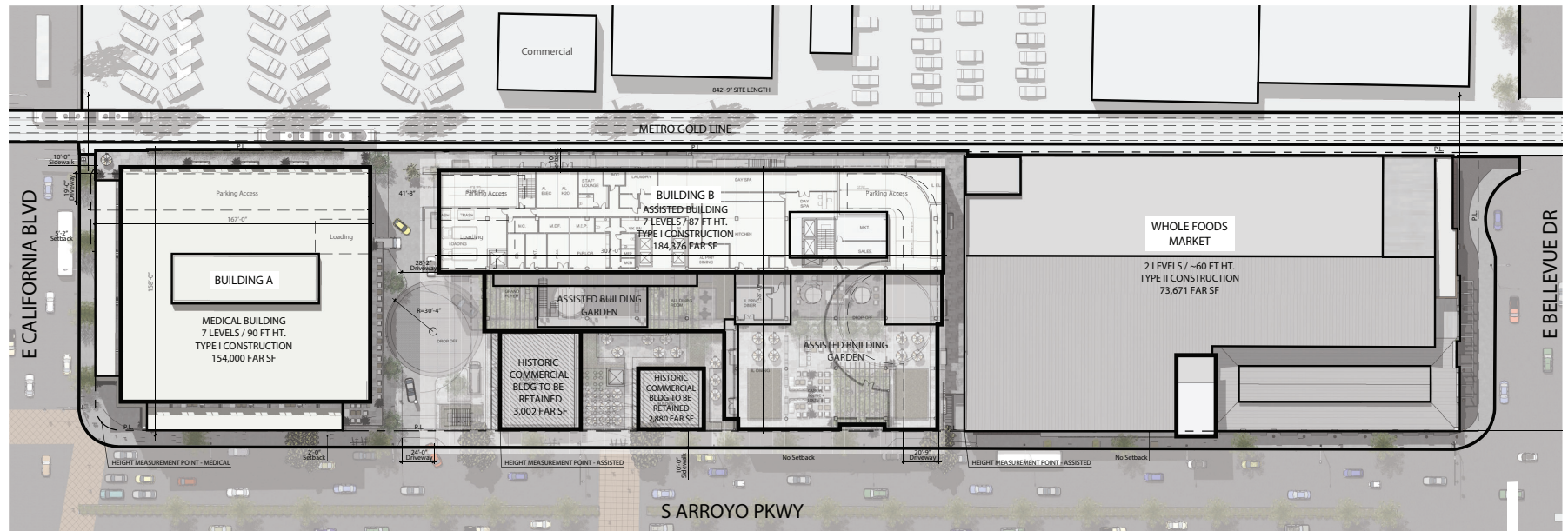
Figure 1-2 shows the proposed layout of the Project site. As detailed in Table 1-1 and Table 1-2, the Project would develop a total of approximately 338,376 sf of new medical office, commercial, restaurant and residential uses across the Project site. As previously mentioned, 79,553 sf of the existing development will remain on site.

1.2 Document Structure

This WSA is organized following a basic hierarchy to describe each issue: regional context (PWP service area and the underlying groundwater basin); local context (City service area), Project-level analysis for the Proposed Project; and the WSA that includes a comparison of water supply and demand for the Project, and existing and future demand for all water year types. The report organization is as follows:

1. Introduction; project overview, location, and description; and document structure
2. City background information and land use planning
3. General information on water supply planning under SB 610
4. Water supply setting – including local climate, surface and groundwater supplies, capacities, and reliability
5. Regional, City, and project water demands – historical, projected, and projected dry-year demands
6. Supply-demand comparisons on a regional, City, and project-level basis
7. Conclusions

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SOURCE: Psomas, 2021

Affinity Project WSA

Figure 1-2
Project Site Plan



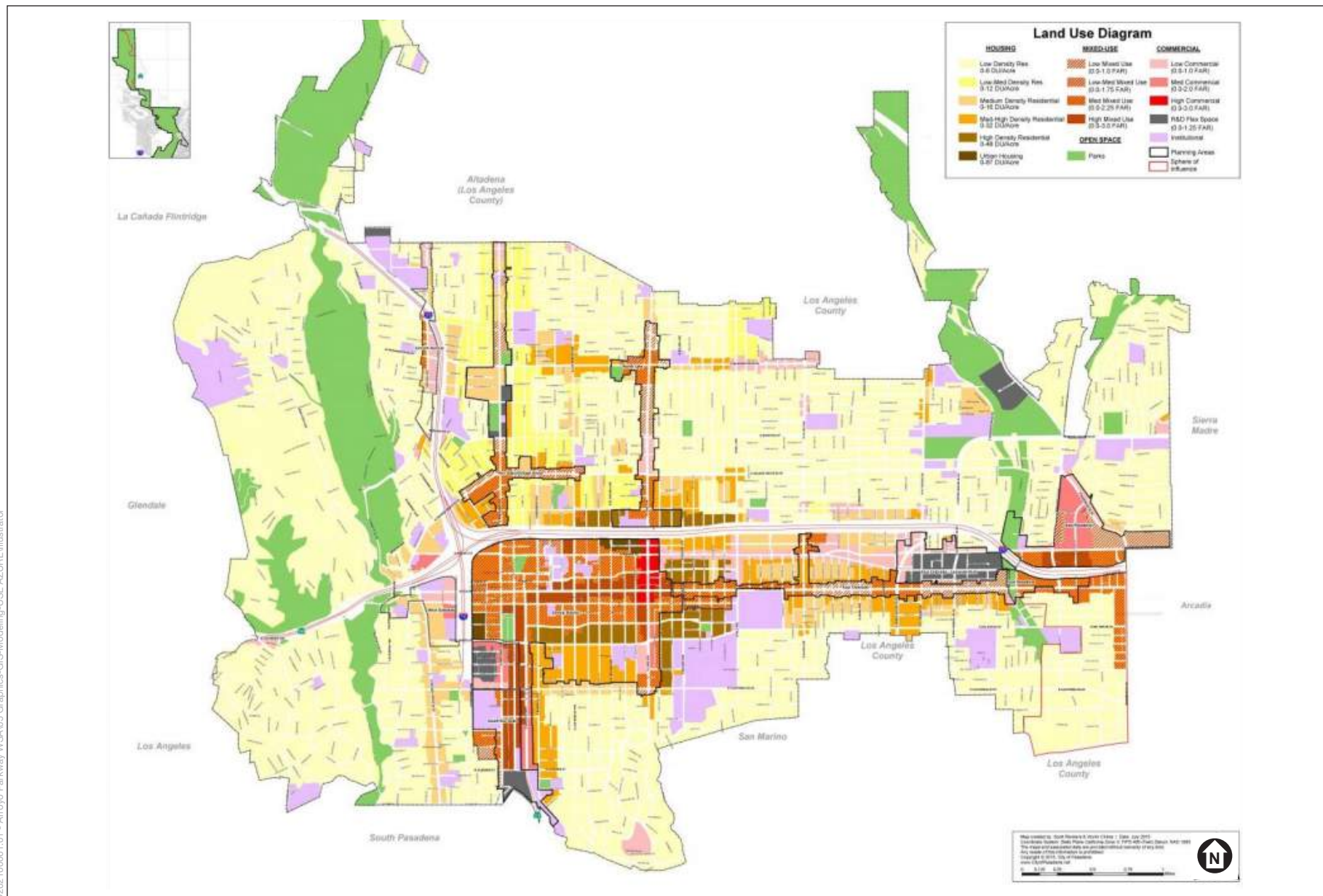
SECTION 2

City Information and Proposed Project Land Use Designation

2.1 Local Land Use Designations

This section describes background information and land use planning for the City of Pasadena (City). According to PWP's 2020 Urban Water Management Plan (UWMP), in 2020, PWP provided water service to a population of approximately 170,400 as well as non-residential customer in its service area. The population is roughly 15 percent or 20,000 more persons than the current population residing within the City's boundaries. PWP's water service area encompasses approximately 25 square miles (Figure 2-1) and includes the City and portions of the unincorporated areas of Altadena, East Pasadena, and San Gabriel. As shown in the Figure 2-1, PWP's service area is bordered on the north by the unincorporated community of Altadena and the Angeles National Forest, on the east by Arcadia and Sierra Madre, on the south by South Pasadena and San Marino, and the west by Los Angeles, Glendale, and La Cañada Flintridge.

Land use in the PWP service area is largely low and medium density residential, with single family and multi-family residential units. High-density residential, commercial and mixed land uses are generally located along major corridors, such as Fair Oaks Avenue and Washington Boulevard, and in Special Districts such as Central Pasadena, East Colorado and South Fair Oaks (Figure 3-1). Areas designated as parks in the General Plan are designated as government in the current land use database. The *2015 General Plan Update* explains that the long-term vision for growth in the City is to encourage development along major corridors. According to the *2015 General Plan Update*, future growth will occur through urban infill, which means increasing the number of residential units or mixed-use units per acre typically through the replacement of single-story structures with multi-story structures. The projected General Land Use diagram (Figure 3-4 of PWP 2020 UWMP) functions as a guide to the general public, planners, and decision-makers, depicting the ultimate pattern of development for Pasadena in 2035, consistent with the requirements of State planning law (Government Code §65302(a)). It depicts the distribution of various uses and intensity of development that shall be permitted as the physical representation of *2015 General Plan Update* goals and policies and updated in the most recent Housing Element. These are implemented through the Zoning Code, Zoning Map, and Specific Plan.



SOURCE: Pasadena Water & Power, 2021

Affinity Project WSA

Figure 2-1
General Plan Land Use

Population growth in the Pasadena area is not expected to increase significantly between 2020 and 2045. This assumes average growth of only approximately 0.5 percent per year, based on the PWP 2020 UWMP, which incorporates growth projections provided by the Southern California Association of Governments (SCAG) and California Department of Finance for current and projected regional demographics, including annual estimates of population, employment, and housing units for cities and counties in California.

2.1.1 Existing General Plan Land Use and Zoning Designations

The Project site is located within the Central District Specific Plan, is zoned CD-6, and has a General Plan Land Use Designation of High Mixed-Use. Figure 2-1 shows the City's General Plan Land Use with land use categories.

2.2 City Population and Community

Recent population growth for the PWP water service area has been slow but steady as PWP's service area, which also includes areas outside and adjoining the City, is largely built-out. According to PWP's 2020 UWMP, the service area population increased from 146,840 to 170,400 between 1990 and 2020, representing an annual average growth rate of 0.5 percent. According to the SCAG and population projections provided by the California Department of Finance, minimal population growth is expected through 2045 in PWP's service area. According to PWP's 2020 UWMP, service area population is forecast to increase by approximately 0.5 percent annually, consistent with the City's 2015 General Plan Update growth estimates. As shown in **Table 2-1**, the service area population is expected to increase through 2045. Primary developments of infill projects consisting of multi-family units is the current trend and will contribute to increasing population density within the City.

TABLE 2-1
POPULATION – CURRENT AND PROJECTED

Year	2020	2025	2030	2035	2040	2045 ^a
Population (SCAG)	170,400	173,508	181,466	185,702	189,927	194,723

NOTE:

^a The 2045 service area population is projected based on an anticipated annual average growth rate of 0.5 percent as stated in the PWP Final 2020 Urban Water Management Plan. The anticipated 2045 service area population projected in this table may differ from PWP's official projection in future updates to its Urban Water Management Plan.

Source: *PWP Final 2020 Urban Water Management Plan*, pg. 3-6 and Southern California Association of Governments 2016; California Department of Finance for Los Angeles County 2018

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SECTION 3

Water Supply Planning

California has different processes to plan for the development or maintenance of water supplies on a regional level. UWMPs, Groundwater Management Plans (GMPs), Integrated Regional Water Management Plans (IRWMPs), Municipal Service Reviews (MSRs) and water resources components of General Plans all integrate some degree of regional planning of water supply and demand.

To complement these large-scale planning processes, the Governor signed into law SB 610 and SB 221 in 2002, which emphasize the incorporation of water supply and demand analysis at the earliest possible stage in the planning process for projects undergoing more specific or detailed planning level analysis. These legislations primarily apply to the planning of water supplies and sources for individual subdivision projects, and are completed at the time the project is being proposed and permitted. SB 610 amended portions of the Water Code, including Section 10631, which contains the Urban Water Management Planning Act, and added Sections 10910, 10911, 10912, 10913, and 10915, which describe the required elements of a WSA. SB 221, which requires completion of a Water Supply Verification (WSV), amended Section 65867.5 and added Sections 66455.3 and 66473.7 to the Government Code.²

3.1 Water Supply Planning under SB 610 and SB 221

As the public water system that will supply water to the Project, PWP is required to prepare WSAs and WSVs, under the requirements of SB 610 and SB 221, codified in Government Code Sections 65867.5, 66455.3, and 66473.7 if a proposed project meets certain criteria. There are three primary areas to be addressed in a WSA: (1) a description of all relevant water supply entitlements, water rights, and water contracts; (2) a description of the available water supplies and the infrastructure, either existing or proposed, to deliver the water; and (3) an analysis of the demand placed on those supplies, by the project, and relevant existing and planned future uses in the area. In addition to these items, WSVs incorporate more detailed confirmation that the appropriate infrastructure planning and funding are in place to fully commit water supplies to a project. The Project does not include a “subdivision” as defined by Government Code Section 66473.7(a)(1);³ therefore, a WSV is not required for the Project pursuant to Government Code 66473.7(b).

² Department of Water Resources, *Guidebook for Implementation of SB 610 and SB 221 of 2001*, 2003.

³ Government Code Section 66473.7(a)(1) states: “‘Subdivision’ means a proposed residential development of more than 500 dwelling units, except that for a public water system that has fewer than 5,000 service connections, ‘subdivision’ means any proposed residential development that would account for an increase of 10 percent or more in the number of the public water system’s existing service connections.” As noted in Section 1.1.2 above, the Project would not result in more than 500 dwelling units, and as noted in Section 3.1.3 below, PWP, which is the public water system that would supply the Project, has more than 5,000 service connections.

SB 610 is applicable to projects subject to the CEQA or considered a “project” under Water Code Section 10912(a) or (b), and builds on the information that is typically contained in a UWMP. The amendments to Water Code Section 10631 were designed to make WSAs and UWMPs consistent. A key difference between the WSAs and UWMPs is that UWMPs are required to be revised every five years, in years ending with either zero or five for those water systems that meet the specific connection criteria, while WSAs are required as part of the environmental review process for each individually qualifying project. As a result, the 20-year planning horizons for each qualifying project may cover slightly different planning periods than other WSAs or the current UWMP. Additionally, not all water providers who must prepare a WSA for a qualifying project under SB 610 are required to prepare an UWMP as defined in the Urban Water Management Planning Act.

Especially pertinent to this WSA for the Project, and all projects to be served by PWP, are the provisions under SB 610 that involve documentation of supply if groundwater is to be used as a source. A detailed discussion of the groundwater basin and groundwater production can be found in Sections 4.2 and 4.3.

The SB 610 WSA process involves answering the following questions:

- Is the project subject to CEQA?
- Is it a project under SB 610?
- Is there a public water system?
- Is there a current UWMP that accounts for the project demand?
- Is groundwater a component of the supplies for the project?
- Are there sufficient supplies available to serve the project over the next 20 years?

3.1.1 “Is the Project Subject to CEQA?”

The first step in the SB 610 process is determining whether the project is subject to CEQA. SB 610 amended Public Resources Code Section 21151.9 to read: “Whenever a city or county determines that a project, as defined in Section 10912 of the Water Code, is subject to this division [i.e., CEQA], it shall comply with part 2.10 (commencing with Section 10910) of Division 6 of the Water Code.” The City has determined that the Project is subject to environmental review pursuant to the requirements of CEQA, and a Notice of Preparation for an Environmental Impact Report was published on August 5, 2021. The information contained in this assessment is intended to be used to inform the environmental analysis for the Project.

3.1.2 “Is It a Project under SB 610?”

The second step in the SB 610 process is to determine if a project meets the definition of a “Project” under Water Code Section 10912(a). Under this section, a “Project” is defined as meeting any of the following criteria:

1. A proposed residential development of more than 500 dwelling units;

2. A proposed shopping center or business establishment employing more than 1,000 persons or having more than 500,000 square feet (ft²) of floor space;
3. A commercial building employing more than 1,000 persons or having more than 250,000 ft² of floor space;
4. A hotel or motel with more than 500 rooms;
5. A proposed industrial, manufacturing, or processing plant, or industrial park, planned to house more than 1,000 persons, occupying more than 40 acres of land, or having more than 650,000 ft² of floor area;
6. A mixed-use project that includes one or more of these elements; or
7. A project creating the equivalent demand of 500 residential units.

Alternately, if a public water system has less than 5,000 service connections, the definition of a “Project” also includes any proposed residential, business, commercial, hotel or motel, or industrial development that would account for an increase of 10 percent or more in the number of service connections for the public water system. The Project does not qualify as a “Project” under Water Code Section 10912(a) according to any of the above criteria. However, this WSA has nonetheless been prepared for informational purposes to inform the environmental analysis and assess if PWP as the water provider has sufficient and reliable supplies to meet the projected water demand for the Project and PWP water service area in normal, single-dry and multiple-dry water years.

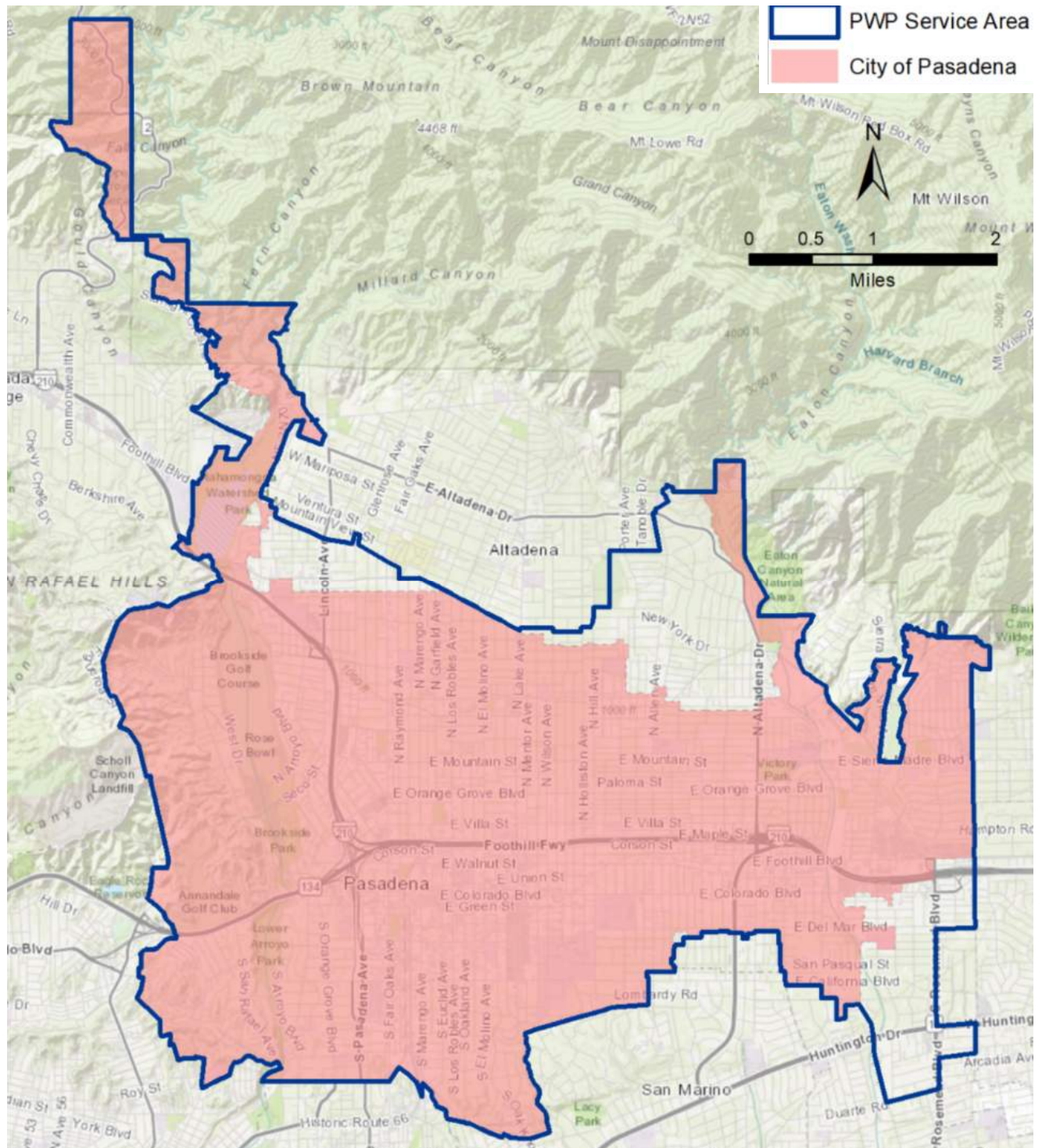
3.1.3 “Is There a Public Water System?”

The third step in the SB 610 process is determining if there is a “public water system” to serve the project. Water Code Section 10912(c) states: “[A] public water system means a system for the provision of piped water to the public for human consumption that has 3,000 or more service connections.”

PWP is identified as the public water supplier for the Project site. The City is situated between the Arroyo Seco to the west and Eaton Wash to the east, overlaying the Raymond Groundwater Basin. This combination of surface water and groundwater provided the basis for Pasadena’s establishment and early development. PWP’s water service area encompasses approximately 25 square miles and is larger than the legal boundary of the City (**Figure 3-1**). It includes portions of the unincorporated areas of Altadena, East Pasadena, and San Gabriel. Approximately 15% of the total population served by PWP is located outside of the City’s legal boundary. The service area is bordered on the north by the unincorporated community of Altadena and the Angeles National Forest, on the east by Arcadia and Sierra Madre, on the south by South Pasadena and San Marino, and the west by Los Angeles, Glendale, and La Cañada Flintridge.

PWP’s water supply consisted solely of groundwater and some local surface water along with San Gabriel River water after the construction of Morris Dam that included a transmission line to Pasadena. However, after becoming one of the thirteen original members of Metropolitan Water District of Southern California (MWD), PWP began receiving imported water, and Pasadena was the first city to receive water supplies from the Colorado River through the Colorado River Aqueduct (CRA) in 1941.

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SOURCE: Pasadena Water & Power, 2021

Affinity Project WSA

Figure 3-1
PWP Service Area

Today, PWP's water supply consists of groundwater, surface water, and imported water that is purchased from MWD. PWP is continuing to diversify its water supply portfolio to increase water supply reliability and use non-potable supply sources. PWP serves approximately 38,000 water service connections through its potable water system that includes approximately 520 miles of pipelines ranging in size from 36 inches to 4 inches in diameter, 19 booster pump stations, 14 tanks and reservoirs, 18 wells, and five connections to the MWD system.⁴ As such, PWP is a public water system pursuant to Water Code Section 10912(c), and would supply water to the Project.

3.1.4 “Is There a Current UWMP That Accounts for the Project Demand?”

Step four in the SB 610 process involves determining if there is a current UWMP that considers the projected water demand for the project area. The Water Code requires that all public water systems providing water for municipal purposes to more than 3,000 customers, or supplying more than 3,000 acre-feet (af) annually, must prepare an UWMP, and this plan must be updated at least every five years on or before December 31, in years ending in five and zero. Water Code Section 10910(c)(2) states, “If the projected water demand associated with the Project was accounted for in the most recently adopted urban water management plan, the public water system may incorporate the requested information from the urban water management plan in preparing the elements of the assessment required to comply with subdivisions (d), (e), (f), and (g) [i.e., the WSA].”

In its 2020 UWMP (adopted June 2021),⁵ PWP anticipates an increase in mixed-use developments along transportation corridors in the next several decades and consistent with the City's growth projections as reported in its adopted 2020 UWMP. Moreover, the Proposed Project is consistent with SCAG's growth forecasts, which were used to calculate service area water demands in PWP's 2020 UWMP and also MWD's 2020 UWMP⁶ and its supporting documents. Accordingly, PWP's 2020 UWMP accounts for the water demand of the Proposed Project. Water supply availability and demand data relevant to this WSA is provided in PWP's 2020 UWMP and MWD's 2020 UWMP.

This WSA relied on data and information contained in PWP's 2020 UWMP as it includes the most recent and up-to-date water resources planning information, regional water supplies, service area information and potential water demands that would be generated by land uses associated with the Project. With that understanding, this WSA, per the requirements of SB 610 calculates the water demands of the current Project by assigning water demands factors associated with these proposed uses.

⁴ Tse, Michael, Associate Engineer, PWP. Email to Van Patten, Jason, Senior Planner, City of Pasadena, January 12, 2022.

⁵ PWP *Final 2020 Urban Water Management Plan*, adopted June 2021.

⁶ MWD *2020 Urban Water Management Plan*, June 2021.

3.1.5 “Is Groundwater a Component of the Supplies for the Project?”

The requirements of Water Code Section 10910(f), Parts 1 through 5, apply if groundwater is a source of supply for a Project. PWP extracts groundwater to supplement imported water supply sources. PWP pumps its groundwater from the Raymond Basin (RB), a large aquifer underlying the City and the surrounding areas. The RB Judgement (December 1944) resolved conflicts within the groundwater pumping entities overlying the RB. The RB Judgement provides groundwater management for the RB and is discussed in Section 4.2.4.

The large aquifer underlying the City and the surrounding areas is referred to as the RB. The alluvial gravel, sand, and silt are the main water-bearing materials in the RB. The RB can be highly productive some areas and less productive in others, as wells produce groundwater at rates ranging from a few hundred gallons per minute (gpm) to several thousand gpm. The alluvium resides upon impervious bedrock. The alluvial valley slopes to the south, ranging in elevation from 2,000 feet above mean sea level (MSL) near the mountains to between 500 and 700 feet MSL at the Raymond fault. The fault acts as groundwater barrier along the southern boundary of the Basin.

3.1.6 “Are There Sufficient Supplies to Serve the Project over the Next Twenty Years?”

The final step in the SB 610 process pursuant to Water Code Section 10910(c)(4) is to illustrate the available water supplies, including the availability of these supplies in all water-year conditions (normal, single-dry year and multiple-dry years) over a 20-year planning horizon, and an assessment of how these supplies relate to project-specific and cumulative demands over that same 20-year period. In this case, the period is projected to 2045. The water supply and demand comparisons are presented and discussed in Section 6. The sufficiency of water supply sources to serve the Project is assessed in the following sections, which address surface water as imported and delivered through MWD’s water supply systems and local groundwater supplies underlying the City. The PWP 2020 UWMP relies on the City’s General Plan 2035, within which the Project was included in overall growth in the City and water demand generated by anticipated mixed-use development along transportation corridors and/or similar commercial and residential developments. The Proposed Project does not include a General Plan Amendment and is consistent with SCAG’s growth forecasts, which were used to calculate water demand forecasts in the PWP 2020 UWMP and MWD’s 2020 UWMP. Therefore, through these processes the Proposed Project’s water demand has been accounted for in the PWP 2020 UWMP.

Based on the information provided in this WSA, there are sufficient water supplies in the Project area to meet the needs of the Project over the next 20 years (the assessment period required per SB 610). As described in Section 7, Conclusions, there is sufficient available water supply to meet existing and Project demand in the near-term and over the next 20 years.

SECTION 4

Water Supply Setting

This section presents a discussion of PWP and its service area. PWP would serve the Proposed Project's domestic water needs. The City's water supplies are provided from two sources: local groundwater from the RB and water purchased from MWD. MWD is a regional wholesaler in Southern California. MWD provides the City with water imported from the Colorado River Aqueduct (CRA) and the State Water Project (SWP). PWP does not have ownership rights to the naturally occurring groundwater underlying the City's service area. However, PWP receives a right to pump additional groundwater through groundwater credits, which are described in detail under Section 4.2.5. under *Local Groundwater Supplies*.

4.1 Climate

Pasadena's weather is characterized as a Mediterranean climate. Temperatures are mild in the winter, spring and fall, and hot and dry during summer months. Water demand in the PWP service area increases in the summer months due to increased demands for outdoor irrigation. The average annual precipitation in Pasadena is about 20 inches per year. Between 1928 and 2019, precipitation varied between 5 and 48 inches per year. Approximately 75 percent of the average annual precipitation falls during the months of December through March. Typically, August is the hottest month of the year with an average daily maximum temperature of 90 degrees Fahrenheit. Evapotranspiration follows a similar trend as temperature, peaking in July and decreasing in December. A summary of monthly climate data is contained in **Table 4-1** and shows the average annual precipitation, evapotranspiration and irrigation demands in and around the Project area.

The historical annual average precipitation in the City is 19.9 inches. Winter months tend to be wetter than summer months. The wettest month of the year is February with an average rainfall of 4.5 inches. As described in PWP's 2020 UWMP, climate change adds uncertainties to the projection of water supply planning. The effects of higher temperatures and precipitation changes induced by climate change may impact water supplies in a number of ways including:

- Reduction in Sierra Nevada snowpack and consequent reductions in imported water sources for the MWD
- Changes in runoff pattern and amount
- Increased intensity and frequency of extreme weather events
- Prolonged drought periods
- Water quality issues associated with increase in wildfires
- Rising sea levels resulting in potential pumping cutbacks on the State Water Project

- Effects on the groundwater basin
- Changes in demand levels and patterns
- Increased evapotranspiration from higher temperatures

TABLE 4-1
AVERAGE ANNUAL PRECIPITATION, EVAPOTRANSPIRATION, AND IRRIGATION DEMANDS

Month	ET _o (in) ^a	Average of Daily Maximum (F)	Average Total Precipitation (in) ^a
January	2.2	67.1	4.1
February	2.4	68.6	4.5
March	3.8	71	3.2
April	4.6	74.4	1.4
May	5.2	77	0.4
June	5.8	82.1	0.1
July	6.8	88.7	0
August	6.4	89.7	0.1
September	5	88	0.4
October	3.6	81.5	0.7
November	2.5	74.2	1.7
December	2	67.7	3.2
Annual			19.9

NOTE:

ET_o = evapotranspiration

Source: PWP Final 2020 Urban Water Management Plan, Table 3-1

While it is unknown what the magnitude and timing of these impacts will be, the City is participating in regional planning efforts that incorporate climate change into long range supply planning.

4.2 Supply Sources

The City's water is provided through two sources: local groundwater from the RB and imported water purchased from MWD. MWD is a regional wholesaler in Southern California. MWD provides the City with water imported from the CRA and the SWP. **Table 4-2** summarizes water supply sources and estimated volumes available now and through 2045.

The following section discusses the PWP's water supply sources available to meet the needs of the Proposed Project.

TABLE 4-2
PASADENA WATER SUPPLY SOURCES AND QUANTITIES (AFY)

	2025	2030	2035	2040	2045 ^a
Imported Water	19,248	19,362	19,454	19,527	19,579
Groundwater	11,830	11,830	11,830	11,830	11,830
Total Supplies	31,078	31,192	31,284	31,357	31,409

NOTES:

afy = acre-feet per year

^a The 2045 imported water is projected based on a second order polynomial extrapolation (e.g., curve of best fit) from year 2025, 2030, 2035, and 2040 data in the PWP Final 2020 Urban Water Management Plan. The anticipated 2045 imported water projected in this table may differ from PWP's official projection in future updates to its Urban Water Management Plan. Refer to Attachment 1 for calculation details regarding the projected 2045 extrapolation.

SOURCE: PWP FINAL 2020 URBAN WATER MANAGEMENT PLAN, TABLE 6-5

4.2.1 Imported Water Supplies

The water supply for the City is imported from outside the region through the City's membership in MWD. MWD delivers both treated and untreated water to Southern California via two sources. Water from Northern California is imported by way of the SWP, and water from the Colorado River reaches the region through the CRA. MWD has five treatment plants, which supply most of Southern California with treated water through their regional distribution system. As shown in **Table 4-3**, the City obtains about 63 percent of its treated potable water from MWD. PWP receives treated water via five turnouts from MWD's Upper Feeder. Water served to PWP is treated at MWD's Weymouth Water Treatment Plant (WTP). During outages at the Weymouth WTP, PWP can receive treated water from MWD's Jensen WTP. Sufficient turnout capacity exists to meet existing and projected PWP demands. According to PWP 2020 UWMP, while connection capacity is sufficient, reliability of this supply is insufficient, as such, PWP would be unable to meet local demand in the event of a service disruption from MWD.

TABLE 4-3
IMPORTED WATER SUPPLIES (AFY)

Source	2020 (actual)	2025	2030	2035	2040	2045 ^a
MWD Treated Potable	17,940	19,248	19,362	19,454	19,527	19,579

NOTES:

af = acre-feet per year

^a The 2045 imported water is projected based on a second order polynomial extrapolation (e.g., curve of best fit) from year 2025, 2030, 2035, and 2040 data in the PWP Final 2020 Urban Water Management Plan. The anticipated 2045 imported water projected in this table may differ from PWP's official projection in future updates to its Urban Water Management Plan. Refer to Attachment 1 for calculation details regarding the projected 2045 extrapolation.

SOURCE: PWP FINAL 2020 URBAN WATER MANAGEMENT PLAN, TABLE 6-1 AND TABLE 6-2

4.2.2 Local Groundwater

Groundwater production is obtained from the Raymond Basin (RB). The RB is an adjudicated basin and PWP has groundwater pumping rights to extract groundwater based on the adjudication and decree. PWP is also credited with additional pumping rights for infiltrating surface water.

PWP can use the RB for long-term supply storage as an emergency supply. PWP manages its pumping rights, spreading credits, and long-term storage to maintain a reliable source.

4.2.3 Raymond Basin Description

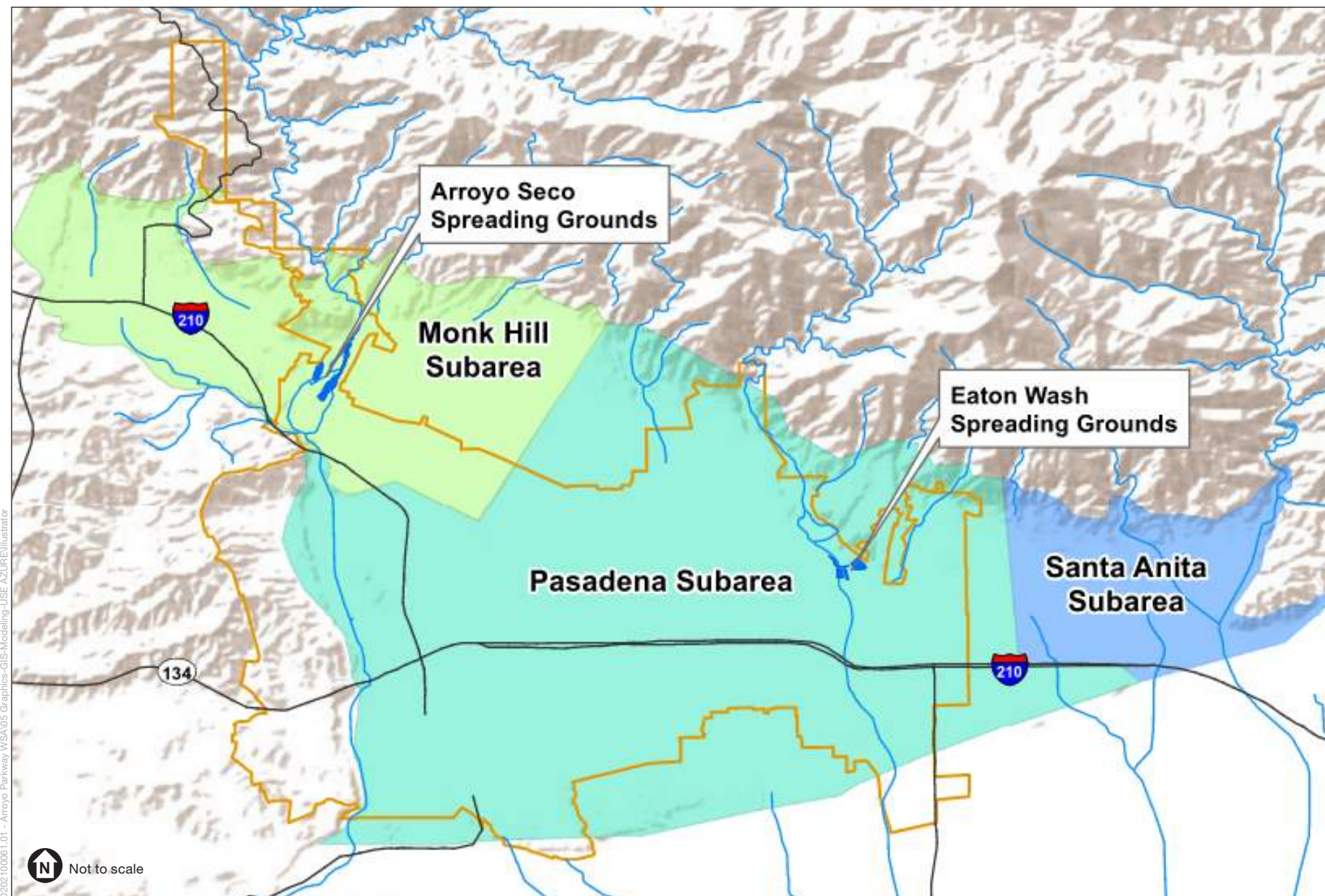
Pasadena overlies the RB. RB is an alluvial valley approximately 40 square miles in area underlain by deposits of gravel, sand, silt, and clay. The RB is located in the northwest portion of the San Gabriel Valley in Los Angeles County, California, and is bounded by the San Gabriel Mountains to the north, the San Rafael Hills to the west, and the Raymond Fault to the south/southeast. RB is divided into three subareas: the Monk Hill subarea in the northwest, the Pasadena subarea in the central portion of the basin, and the Santa Anita subarea in the east (**Figure 4-1**). PWP has water rights in the Monk Hill and Pasadena subareas of the RB.

The base of the water-bearing strata of the Raymond Basin is defined by bedrock material that is not considered to yield significant quantities of water. Overlying the bedrock are more than 1,200 feet of unconsolidated alluvial materials consisting of boulders, gravel, sand, silt, and clay. This alluvium is the principal water-bearing unit in the RB. Well yields in the alluvium range from a few hundred to several thousand gallons per minute (gpm). The alluvial aquifer system in the RB consists of many individual interconnected water-bearing zones.

Specific yield values in the RB are typical of alluvial sediments, and range from approximately 5 percent to 18 percent. Groundwater generally flows southerly from areas of recharge at the base of the San Gabriel Mountains to areas of discharge along Raymond Fault at hydraulic gradients ranging from approximately 0.040 feet to 0.090 feet.⁷ The Raymond Fault acts as a leaky hydrologic barrier and defines the boundary between the RB and the main San Gabriel Valley Groundwater Basin to the south. Currently, RB groundwater levels are relatively higher in the northern half of the basin and lower in the southern half of the basin compared with historical trends. Current sources of groundwater recharge to the Raymond Basin include:

- Natural infiltration and percolation of rainfall and surface water
- Percolation of applied water from irrigation and other return flows
- Subsurface inflow from adjacent groundwater basins, bedrock areas, and the San Gabriel Mountains
- Artificial recharge through surface water infiltration
- Percolation of water from septic tanks

⁷ Pasadena Water & Power. 2011. Water Integrated Resources Plan. January. Available: <https://ww5.cityofpasadena.net/water-and-power/wpcontent/uploads/sites/54/2017/08/PasadenaWIRPFinalApproved013111.pdf>.



SOURCE: Pasadena Water & Power, 2021

Affinity Project WSA

Figure 4-1
Raymond Groundwater Basin Subareas

4.2.4 Raymond Basin Judgement

In December 1944, the RB was the first groundwater basin adjudicated in California. The adjudication known as the Raymond Basin Judgement (RB Judgement) was needed to resolve conflicts between the groundwater pumping entities. Under the adjudication, it was determined that 16 parties had the right to extract water. The court allocated groundwater pumping rights to each party. The decision is based on RB Judgement of “safe yield”. The safe yield was originally determined to be 21,900 afy but was modified in 1955 to 30,662 afy. These decreed rights were set in 1955 for recent wet weather conditions but were not reevaluated from time to time as then suggested. The authority to administer the RB Judgement and resolve future disputes and make binding judgments is vested in the RB Watermaster. The Watermaster is the Raymond Basin Management Board (RBMB), which is the representatives of the parties (pumping entities) of the RB Judgement.

PWP’s decreed groundwater pumping right was set at 12,807 afy; this is divided between the two underlying subareas: Monk Hill (4,464 afy) and Pasadena (8,343 afy).

As suggested in the decree to reevaluate the RB groundwater conditions, the RBMB implemented a resolution on July 1, 2009 that voluntarily reduced pumping from the Pasadena subarea to address declining water levels. As a result, PWP’s water pumping from the RB was decreased by 2,503 afy to 10,304 afy.

4.2.5 Surface Runoff Spreading Credits

PWP has pre-1914 rights to divert up to 25 cubic feet per second (cfs) of surface water from the Arroyo Seco and Millard Canyon streams and up to 8.9 cfs from the Eaton Wash. This surface water is currently used to recharge the Raymond Basin. The RB Judgment allows each pumper to take the surface water directly to meet demand, or use surface water to recharge the RB and then pump out a portion of the recharged volume in addition to their decreed groundwater pumping rights. PWP receives a pumping credit of 60 to 80 percent of the surface water recharged at the Arroyo Seco Spreading Grounds, and a credit of 80 percent of the surface water recharged at the Eaton Wash Spreading Grounds. From 2001 to 2020, groundwater pumping credits from the infiltration of surface water provided PWP an average of 1,675 afy. In dry years this was as low as 300 acre-feet (AF) to 5,115 AF in wet years.

4.2.6 Groundwater Production

For the past five years (2015 – 2020), PWP’s annual groundwater production has averaged approximately 11,000 afy, which includes decreed rights (10,304 afy) and annual surface water spreading credits. Currently PWP has 12 active wells and six wells are inactive due to contamination and other factors. Most of the operational wells are approaching 100 years old, which reduce the capacity or reliability. Because of contamination issues, groundwater requires treatment or a sequence of blending with imported water to dilute contamination levels low enough to comply with State and federal drinking water requirements. **Table 4-4** provides the pumping history for all PWP wells that produced groundwater between 2016 and 2020.

TABLE 4-4
GROUNDWATER VOLUME PUMPED (AF)

Groundwater	Location or Basin Name	2016	2017	2018	2019	2020
Alluvial Basin	Raymond Basin (Monk Hill and Pasadena subareas)	10,650	11,150	10,690	7,481	11,230
Total		10,650	11,150	10,690	7,481	11,230

NOTE:

af = acre-feet per year

SOURCE: PWP Final 2020 Urban Water Management Plan, Table 6-2

4.3 Summary of Existing and Planned Sources of Water

The total water supplies produced or purchased by the City in 2020 are shown in **Table 4-5**. As indicated in Table 4-5, the water supply types available for use by the City are projected to remain unchanged between now and 2045, and increases in demands are largely expected to be met using treated, imported water.

TABLE 4-5
TOTAL WATER SUPPLIES PRODUCED OR PURCHASED BY PASADENA IN 2020

Water Supplies (acre-feet)	2020	2025	2030	2035	2040	2045 ^b
MWD imported	18,120	19,248	19,362	19,454	19,527	19,579
Supplier-Produced Groundwater	11,230	11,830	11,830	11,830	11,830	11,830
Totals	29,290^a	31,078	31,192	31,284	31,357	31,409

NOTES:

^a total is less 60 afy as sold to other water local supplier.^b The 2045 imported water is projected based on a second order polynomial extrapolation (e.g., curve of best fit) from year 2025, 2030, 2035, and 2040 data in the PWP Final 2020 Urban Water Management Plan. The anticipated 2045 imported water projected in this table may differ from PWP's official projection in future updates to its Urban Water Management Plan. Refer to Attachment 1 for calculation details regarding the projected 2045 extrapolation.

SOURCE: PWP FINAL 2020 URBAN WATER MANAGEMENT PLAN, TABLE 6-5

4.3.1 Water Management Plans and Programs

The Metropolitan Water District of Southern California Urban Water Management Plan

The Water Code requires any municipal water supplier serving over 3,000 connections or 3,000 afy to prepare an UWMP. MWD is a regional wholesaler with no retail customers; it provides treated and untreated water directly to its 26 member agencies. Member agencies include 14 cities, 11 municipal water districts, and one county water authority. MWD's service area covers the Southern California coastal plain, including the City (MWD 2020).

Each of MWD's qualifying member agencies is also responsible for submitting its own UWMP. MWD's 2015 UWMP therefore does not explicitly discuss specific activities undertaken by its member agencies unless they relate to one of MWD's programs. MWD's 2020 UWMP describes and evaluates sources of supply, efficient uses, water recycling, and conservation activities across the Southern California region (MWD 2020).

Pasadena Water and Power 2020 Urban Water Management Plan

The UWMP for PWP forecasts future water demands within the service area under average and dry year conditions, identifies future water supply projects, and evaluates future supply reliability. The UWMP discusses the provider's supply portfolio, including current and planned water conservation and recycling activities (PWP UWMP 2020).

The Greater Los Angeles County Region Integrated Regional Water Management Plan

The mission of the Greater Los Angeles County Integrated Regional Water Management Plan (IRWMP) is to address the water needs of the Region in an integrated and collaborative manner. The first IRWMP for the Greater Los Angeles County Region was published in 2006, following a multi-year collaborative effort between water retailers, wastewater agencies, stormwater and flood managers, watershed groups, businesses, tribes, the agriculture community, and non-profits. It provided a mechanism for improving water resources planning in the Los Angeles Basin. In 2014, the Integrated Regional Water Management (IRWM) group updated the IRWMP to comply with new State integrated planning requirements and update the content. (Leadership Committee of the GLAC IRWMP 2014)

MWD's Integrated Water Resources Plan

MWD's Integrated Water Resources Plan (IRP) was first developed in 1996 to establish targets for a diversified portfolio of supply investments. The 2015 Update planned for water supplies under a wide range of potential future conditions and risks. In the 2015 IRP update, MWD describes unprecedented challenges on both the SWP and the CRA imported water supplies. It identified supply actions including recycled water, seawater desalination, stormwater capture, conservation, and groundwater cleanup to ensure local water supply reliability. The 2015 Update was adopted by MWD's board of directors in January 2016 (MWD 2016b). The proposed 2020 IRP, which is still in process, will incorporate scenario planning components to capture a broader range of possible futures, both on the demand and supply side, than those included in MWD 2020 UWMP, but will share a common set of foundational data.⁸

4.4 Water Supply Reliability

Sustainable water supply is the aggregated quantities of the aforementioned sources; briefly, these include: imported water purchased from MWD and groundwater from the RB. Water reliability is impacted by numerous factors, including population, economic activity, land use, hydrologic

⁸ MWD 2021. *2020 Urban Water Management Plan*, adopted June 2021, page 2-5.

fluctuations, water quality, climate change, constraints on distribution facilities, aging water systems, more stringent policies and regulations, natural disasters, and emergencies.

Imported water supply availability was modeled from MWD’s databases and simulation models. MWD also uses a method of multiple hydrology simulation in their reliability analysis and provided a matrix of reliability under each historical year applied to each future planning year.

To determine local supply availability, PWP employed a model that simulated local hydrology using historical data from the Arroyo Seco and Eaton Wash and accounted for diversion rights, spreading credits and adjudicated pumping rights as well as capacity constraints on existing facilities in the region. This analysis was used to quantify the reliability of groundwater and surface water and determine the ability of the existing water supply portfolio to meet future water demands.

The water supply reliability analysis evaluates local demands, local supply and imported supply under variable conditions of hydrology and demand to determine reliability.

4.4.1 MWD Supply Reliability

The City’s location in MWD’s distribution system allows it to be supplied by two separate MWD treatment plants, Weymouth and Jensen. The Weymouth plant can treat water from the CRA and the SWP. The Jensen plant can only treat water from the SWP. MWD’s multiple supplies allow operational flexibility in case of a treatment plant shutdown or temporary problem within the distribution system.

MWD discusses regional water supply reliability in its final 2020 UWMP.⁹ The MWD UWMP uses lessons learned from their previous planning efforts to inform how uncertainty and reliability are evaluated. These plans include the previous 2015 IRP Update and proposed 2020 IRP, the 1999 Water Surplus and Drought Management (WSDM) Plan, and Water Supply Allocation Plan (WSAP). The 2020 IRP is different than previous IRPs in that scenario planning components are being implemented to capture a broader range of possible futures both on the demand and supply side. The reliability assessments included in MWD’s UWMP, including the Water Shortage Contingency Planning and Drought Risk Assessments, mirror a similar approach. The assumptions in their UWMP fall within the plausible future scenarios analyzed in the 2020 IRP to ensure the two efforts complement each other. To develop average year supply and demand estimates, MWD used the historic hydrology for 1922 through 2017. This 96-year period was selected based on the historical hydrology period reported in the 2019 SWP Delivery Capability Report, which represents MWD’s largest and most variable supply. During that period, the driest one-year period occurred in 1977. A five-consecutive year (1988–1992) dry period was additionally used for MWD’s water service reliability and drought risk assessments, representing the driest five-year consecutive period during that time frame.

MWD strives for a “diverse water portfolio” that allows it to meet demands even in years when its primary supplies would not be enough. Part of MWD’s 2020 UWMP is to have water storage

⁹ MWD 2021 2020 Urban Water Management Plan, adopted June 2021, page 2-5.

capacity to draw on when supplies are short. Using surplus water from normal and wet years, MWD's large storage portfolio contains both dry-year storage and emergency storage that can be used to meet demand in case of a shortage. MWD has completed extensive modeling to create management options that will handle future variations in supply and demand.

As discussed in PWP's 2020 UWMP, if MWD has a sufficient water supply, then through existing agreements and delivery systems PWP has sufficient supplies as well. In the 2015 IRP update, MWD describes unprecedented challenges on both the SWP and the CRA imported water supplies. The 2020 IRP will look beyond these previous challenges and expand the range of planning scenarios that MWD considers in their supply and demand modeling, which will increase the reliability of this resource for PWP. MWD does not anticipate any reductions in water supply availability from SWP and CRA supplies due to water quality concerns over the study period.

4.4.2 Groundwater Supply Reliability

PWP uses groundwater to meet up to 40 percent of demand in its service area. The capacity and reliability of PWP's groundwater supply requires consideration of many issues including:

- Water rights
- Aquifer storage capacity
- Physical well and pump capacity
- Treatment capacity
- Water quality issues

In the Monk Hill and Pasadena subareas, pursuant to the decree PWP has adjudicated groundwater rights, additional groundwater pumping credits from infiltration of surface water, and long-term storage credits. PWP's total adjudicated groundwater rights in the RB are 12,807 afy: 8,343 afy in the Pasadena subarea and 4,464 afy in the Monk Hill subarea (prior to the voluntary reduction of 2,503 afy).

Currently, groundwater pumping is constrained by the limited pumping capacity of the active wells. For water supply planning purposes, this assumes that only the currently operational wells will be operable in the future. Currently, the Monk Hill subarea has a pumping capacity of approximately 2,800 afy. The Pasadena subarea pumping capacity is approximately 9,030 afy.

PWP uses historical flow data for Eaton Wash, PWP's surface water diversion right of 8.9 cfs, and the existing structural diversion capacity of 200 cfs to simulate the water available for recharge in the Eaton Wash Spreading Grounds into the Pasadena subarea and includes a local evaporation rate.¹⁰

A 20 percent administrative loss is applied to the volume of water recharged in Eaton Wash Spreading Grounds to calculate the spreading credits available to PWP. PWP used historical flow data for Arroyo Seco stream, PWP's surface water diversion right of 25 cfs, and the existing

¹⁰ California Irrigation Management Information System (CIMIS); station data.

structural diversion capacity of 18 cfs to simulate the water available for recharge in the Arroyo Seco Spreading Grounds into the Monk Hill subarea. PWP receives spreading credits of 60 to 80 percent of the diverted water spread in the basins in the Monk Hill subarea. To calculate this, a 30 percent administrative loss was used for spreading credits available to PWP in the Monk Hill subarea. In addition to the groundwater rights and spreading credits, PWP has long-term storage of groundwater in the Monk Hill and Pasadena sub-areas. PWP's current long-term storage is approximately 30,000 af.

4.4.3 Reliability Results

To meet water demand in PWP's service area, for water supply planning purposes PWP in its modelling prioritizes the use of groundwater rights, followed by spreading credits from surface water in the Arroyo Seco and Eaton Canyon, and finally imported water from MWD.

Groundwater was assessed as a resource by comparing its current production to potential production based on water rights. The limiting factor in groundwater production is the total capacity of the wells currently in operation. Current capacity is approximately 11,830 afy assuming year-round consistent pumping, while the adjudicated rights under voluntary reduction are 10,304 afy. At this capacity, only about 1,500 afy of spreading credits (or long-term storage) could be pumped in any year above the adjudicated rights.

Groundwater (including spreading credits from surface water diversions) and imported water compared to demand (scaled by weather) revealed the reliability under non-emergency conditions. Furthermore, model results indicate Pasadena will experience no supply deficits in normal or non-drought years. As discussed in section 7.1.5.1 of PWP's final 2020 UWMP its water supply and demand forecasting model projected that beginning in 2020 and extending to 2045, PWP can meet its service area water demand approximately 91 percent of the time (**Table 4-6**); while in the remaining 9 percent of this time period the projected water supply shortage could range from approximately 1,000 to 1,500 afy.

TABLE 4-6
BASIS OF WATER YEAR DATA (RELIABILITY ASSESSMENT)

	Year	afy	Percent Reliability
Average Year	2012	36,700	100%
Single-Dry Year	2018	33,700	92%
Consecutive Dry Years 1st Year	2014	34,100	93%
Consecutive Dry Years 2nd Year	2015	35,000	95%
Consecutive Dry Years 3rd Year	2016	33,700	92%
Consecutive Dry Years 4th Year	2017	34,200	93%
Consecutive Dry Years 5th Year	2018	33,700	92%

NOTE:

In 2012 pumped groundwater was 13,700 afy, available imported water was 23,000 afy. In 2018, pumped groundwater was about 10,700 afy, available imported water was 23,000 afy. For the 5 consecutive historic dry years pumped groundwater was from about 10,700 to 12,000 afy, the available imported water from MWD was 23,000 afy.

Source: PWP Final 2020 Urban Water Management Plan

PWP and similar water providers are able to manage supply shortages of 10 percent with temporary conservation measures as discussed below. According to PWP's final 2020 UWMP, this reliability analysis assumes existing wells are maintained and that investment in replacement production capacity is sustained over the planning period. It should be noted that additional investment needed to pursue additional supply and production solutions based on these forecasted deficits would be accomplished through new water supply projects as discussed in Chapter 6, *Water Supply Characterization*, specifically sections 6.3 through 6.7 that discusses new or additional water supplies that could be available to meet non-potable demand within PWP's service area.

Chapter 8, Water Shortage Contingency Plan (WSCP), of the PWP 2020 UWMP, explains how PWP intends to act in the case of an actual water shortage condition. The WSCP anticipates a water supply shortage and provides pre-planned guidance for managing and mitigating a shortage. Prior to invoking the WSCP, PWP can implement voluntary or mandatory demand management measures (DMMs) as described in detail in Chapter 9 of its final 2020 UWMP. PWP has continuously implemented a water conservation program since 1991. Voluntary and mandatory DMMs can reduce demand by 10, 15, 20 and as much as 25 percent in some years.

PWP's available water resources, in combination with the DMMs described in the WSCP included with the PWP 2020 UWMP, will ensure reliable water supplies to service area users within the 20-year planning timeframe.

SECTION 5

Water Demands

Analysis of water demand, both historical and projected, is based on the same regional, local, areas as the analysis for supplies. The regional demand analysis addresses the greater regional demand which includes MWD demands; the local demand analysis addresses the City's water system specifically, and the Project-specific analysis demand calculations are based on the most recent land-use map and information from the Project Applicant.

5.1 Recent, Historical, and Projected Demands

5.1.1 City 2020 Demand

PWP provides potable and non-potable water for a mix of urban uses that includes residential, commercial, and governmental uses. There are no agricultural water services in the PWP's service area; however, a portion of water delivered is provided exclusively for landscape irrigation purposes.

The total water demands are based on water use sectors by starting with 2020 records of water sales by customer class, then using projected growth numbers for housing units and employment. Demands incorporate passive conservation (code-based and price-effect savings) and active conservation (for installed active devices through 2020). Losses are assumed to be equal to the five-year average of losses from 2015 to 2019, which is approximately 6 to 9 percent of potable direct use demand. It is assumed that existing codes and ordinances will remain in place, which include those codes related to water conservation. In calendar year 2020 as shown in **Table 5-1**, water deliveries were comprised of residential and commercial, volume of water deliveries to customers are shown in Table 5-1.

Water losses in calendar year 2020 are estimated as approximately 6 to 9 percent of water delivered and is based on data regarding unaccounted-for water from 2015 to 2019. Unaccounted-for water is calculated as the difference between water delivered to the system and metered sales to customers, accounting for changes in reservoir storage. Unaccounted-for water is lost through unmetered use (flow testing, reservoir cleaning, main flushing, firefighting, etc.), faulty meters, evaporation, sheared hydrants, and system leaks. The industry average for unaccounted-for water is 7 percent, PWP's unaccounted-for water is less than unaccounted-for water losses for a municipal utility that serves 26,000 connections.

In 2009, the California Water Conservation Act (also known as Senate Bill X7-7 or SBX7-7) was passed into law and requires urban water suppliers to reduce per capita water use 20 percent by

2020 (20x2020). To assist water purveyors, DWR provides a guidance manual with methodologies for calculating water use targets to reduce water demands and meet the 20X2020 goals.

TABLE 5-1
PWP'S 2020 WATER DEMANDS

Water Use Category	Total Volume (af)
Single-family residential	13,593
Multi-family residential	5,190
Commercial	6,530
Institutional/Governmental	1,311
Other Potable	80
Losses	2,586
Total Direct Use Demand	29,290
NOTE: af = acre-feet	
Source: <i>PWP Final 2020 Urban Water Management Plan, Table 4-1</i>	

The gross water use entering PWP's distribution system is the total volume of water produced by PWP from local groundwater, plus the water imported from MWD, plus the groundwater purchased from local water agencies, minus the water delivered to other suppliers.

Projected water use can be determined by examining past and current water use trends, along with consideration of land use planning data, climate change, and other factors relevant to sector-specific water use. This section provides a detailed description of the current demands and the methodology used to project demands, including the following:

- Land use and demographic projections: Overview of current land use and how land use changes are expected to change demand for water in the future.
- Demand forecast: Provides the methodology used to forecast demand to year 2040 based on 2020 demands.

5.1.2 City Projected Demands

Land Use and Population

The City consists of a mix of land uses, including residential, commercial, industrial, institutional and open space, with residential and commercial being the dominating uses. The City is largely built-out, meaning there are few vacant sites available for new developments and growth is expected to be due primarily to increases in housing density and land use intensity.

Past water use as it relates to PWP's service area is detailed in its 2020 UWMP water use is tracked by PWP's billing system, which categorizes customers into four primary types: residential (including single-family and multi-family residential), commercial and industrial, city accounts, and miscellaneous. The single-family residential customers include individually metered houses, whereas historically the multi-family residential customers include apartments and condominiums that have master meters for the entire building or complex. However, since

January 1, 2018, the SB 7 legislation requires all new multi-family residential units to have individual water meters per unit, sometimes referred to as submetering. In addition to these uses, there is non-revenue water that represents system-wide water losses. These losses are discussed in Section 4.3.

In 2020, PWP's water use totaled approximately 29,290 afy as shown in Table 5-1. Water demand during this period decreased through 2016 even though population increased during this same period. Single family residential customers achieved more than 25 percent reduction. This decrease in water consumption is likely the result of the state's conservation measures implemented in 2014 to mitigate drought impacts, as well as social awareness, outreach campaigns by state and water agencies, the economy and weather. Water demand has slightly increased since 2017 following the end of the drought and the relaxing of water use restrictions, yet remains well below historical levels. A breakdown of 2020 water use by sector is provided in Table 5-1.

MWD as the regional wholesale water supplier, prepares water resources reports, studies and plans necessary to manage its regional water supplies based on current and future supply and demand scenarios. As part of its 2020 UWMP, MWD provided PWP and other member agencies with population and supply and demand calculations. Potable water demand for 2025, 2030, 2035, and 2040 are estimated by using the total retail demand projections provided by MWD as part of the regional planning process as provided in the 2020 UWMP. Potable water demand for 2045 is based on the City's adopted 2020 Water System and Resource Plan, Appendix A. **Table 5-2** contains the projected demands by water use classes. In general, as shown in Table 5-2, total demands are expected to evolve over time with a trend towards lower demand relative to 2020 and near-term 2025 conditions due to the reductions imposed by SB 606 and Assembly Bill (AB) 1668, which require a reduction in indoor water use, tempered by the expected increase in housing units as discussed in Section 2.1. The values in Table 5-2 are not reduced to reflect additional water savings from PWP's conservation programs; therefore, actual water demand values may be lower when accounting for PWP's conservation programs.

TABLE 5-2
PROJECTED WATER DEMAND (AF)

Water Use Category	2025	2030	2035	2040	2045
Single Family	12,800	12,000	11,900	11,800	Not Available
Multi-Family	4,800	4,550	5,000	5,250	
Other	100	100	150	180	
Commercial	6,500	5,900	5,850	6,000	
Institutional/Governmental	900	850	870	900	
Unaccounted-for Losses	1,650	1,600	1,550	1,500	
Total	26,750	25,000	25,320	25,630	25,950

NOTE:

af = acre-feet

Source: PWP Final 2020 Urban Water Management Plan, Table 4-4 (2025, 2030, 2035, 2040 data); PWP, 2020 Water System and Resource Plan, Appendix A, p. A-6 (2045 data).

5.1.3 Proposed Project Demands

Proposed Project Demand – Construction and Operation

Proposed Project construction activities are anticipated to commence in 2023 and be completed in 2026. Over this period, water would be used for dust control purposes during demolition, solid excavation, grading activities, equipment cleaning, vehicle wash downs, washout basins, and re-compaction of backfill materials, concrete pouring and other construction-related uses. Based on construction projects of similar size and duration, a conservative estimate of construction water use could be up to 50 gallons per day per 1000 square-feet (gpd/1000 sf). Construction activities for the Project would occur on approximately 90,400 square feet. Based on water use of 50 gpd/1000 sf of construction activities at the project site, water use during construction is assumed to be 4,520 gallons per day (gpd). Water use during the 34-month (approximately 1,020 days) construction period would be up to approximately 4.61 million-gallons (MG) or 14.1 acre-feet (AF). Calculated annually, this would be 1.63 MG/year or 4.99 afy.

The expected water use of the Project once fully operational was determined by analyzing demand based on planned uses as described in Section 1 and as shown in Table 1-1, and with water demand shown in **Tables 5-3 and 5-4**. To determine the water demand factors of the Project, water use demand factors were formulated based on data from the PWP 2020 UWMP as well as current and historical uses at similar facilities along with information similar mixed-use projects. The Project water demand includes all indoor (commercial and residential) uses in all water year types.

**TABLE 5-3
BUILDING A WITH MEDICAL OFFICE/COMMERCIAL WATER DEMAND**

Proposed Land Use	Amount	Units	Generation Rate	GPD	AFY
Project Land Uses					
Medical Office Building (A)					
Medical Office Building	151,000	sf	300 gpd/1,000 sf	45,300	50.74
MOB Commercial (Fast Casual Restaurant)	3,000	sf	1000 gpd/1,000 sf	3,000	3.36
Assisted Living Facility (B)					
Independent Living - Studios	28	du	156 gpd/du	4,368	4.89
Independent Living - 1 BR	53	du	156 gpd/du	8,268	9.26
Independent Living - 2 BR	14	du	195 gpd/du	2,730	3.06
Assisted Living	113	beds	125 gpd/bed	14,125	15.82
Commercial (Fast Casual Restaurant)	5,882	sf	1000 gpd/1,000 sf	5,882	6.59
Landscaping ^a	n/a	n/a	170 gpd	170	0.19
Subtotal				83,843	93.91
Existing Land Use to Remain under the Project					
Whole Foods Grocery ^b	73,671	sf	150 gpd/1,000 ft	11,051	12.38
TOTALS				94,894	106.29

NOTE:

gpd = gallons per day; gpy = gallons per year; afy – acre-feet per year

^a Landscaping water demand is based on estimated annual average daily water demand. Refer to Attachment 2 for calculation details regarding the landscaping water demand.^b Existing structure and land use to be retained.

Source: Affinity Project Development Plan. Calculated water demands based on Los Angeles Bureau of Sanitation, 2020 wastewater generation rates.

TABLE 5-4
BUILDING A WITH RESIDENTIAL/COMMERCIAL WATER DEMAND

Proposed Land Use	Amount	Units	Generation Rate	GPD	AFY
Project Land Uses					
Residential/Commercial Building (A)					
Residential Living ^a	197	du	195 gpd/du	38,415	43.03
Commercial (Fast Casual Restaurant)	3,000	sf	1000 gpd/1,000 sf	3,000	3.36
Assisted Living Facility (B)					
Independent Living - Studios	28	du	156 gpd/du	4,368	4.89
Independent Living - 1 BR	53	du	156 gpd/du	8,268	9.26
Independent Living - 2 BR	14	du	195 gpd/du	2,730	3.06
Assisted Living	113	beds	125 gpd/bed	14,125	15.82
Commercial (Fast Casual Restaurant)	5,882	sf	1000 gpd/1,000 sf	5,882	6.59
Landscaping ^b	n/a	n/a	170 gpd	170	0.19
Subtotal				76,958	86.20
Existing Land Use to Remain under the Project					
Whole Foods Grocery ^c	73,671	sf	150 gpd/1,000 ft	11,051	12.38
TOTALS				88,009	98.58

NOTES:

gpd = gallons per day; gpy = gallons per year; afy – acre-feet per year

^a For conservative water resources planning purposes residential living units were assumed to be 2 bedroom units with associated water demand of 195 gpd/du.^b Landscaping water demand is based on estimated annual average daily water demand. Refer to Attachment 2 for calculation details regarding the landscaping water demand.^c Existing structure and land use to be retained.

Source: Affinity Project Development Plan. Calculated water demands based on Los Angeles Bureau of Sanitation, 2020 wastewater generation rates.

Historical Project-Site Demands

Historically, the Project site has been used for commercial uses. Based on conservative water resources planning estimates for these existing uses, as shown in **Table 5-5**, existing water demand at the Project site is calculated to be approximately 30.72 afy. Demand currently generated by would be replaced by the demand associated with the Project or Building A residential/commercial development. Whole Foods would remain on the Project site and would continue to generate water demands throughout construction and operation of the Project. Two existing buildings totaling approximately 5,882 square feet would also remain on the Project site; fast-casual restaurant uses are proposed and analyzed in these two buildings as part of the Project water demand analysis. As a conservative assumption, landscape water is not included in the historical water demands, which results in a slight overestimation of the Project's net increase in water demand relative to existing conditions.

**TABLE 5-5
HISTORICAL WATER DEMANDS (CALCULATED)**

Land Use Category	Square feet	Generation Unit	GPD	GPY	AFY
Existing Land Use to Remain under the Project					
Whole Foods Grocery ^a	73,671	150 gpd/1,000 ft	11,051	4,033,487	12.38
Existing Land Uses to be Removed under the Project					
Fitness ^b	2,880	300 gpd/1,000 ft	864	315,360	0.97
Event Rentals ^b	3,002	100 gpd/1,000 ft	300	109,573	0.34
Animal Hospital	12,676	100 gpd/1,000 ft	1,268	462,674	1.42
Event Rentals	21,437	100 gpd/1,000 ft	2,144	782,451	2.40
Restaurant (Fast Casual)	7,493	1000 gpd/1,000 ft	7,493	2,734,945	8.39
Restaurant (Fast Casual)	4,306	1000 gpd/1,000 ft	4,306	1,571,690	4.82
Subtotal	45,912		16,375	5,976,693	18.34
TOTALS			27,426	10,010,180	30.72

NOTES:

gpd = gallons per day; gpy = gallons per year; afy – acre-feet per year

^a Existing structure and land use to be retained.^b Existing structure to be retained. The existing Fitness (2,880 square feet) and Event Rentals (3,002 square feet) land uses would be repurposed for the Commercial (Fast Casual Restaurant, 5,882 square feet) land use under the Project.

Source: Affinity Project, Notice to Proceed and Initial Study Project Description, August 2021. Affinity Project Development Plan. Calculated water demands based on Los Angeles Bureau of Sanitation, 2020 wastewater generation rates.

Net Total Project-Site Demands

As shown in Table 5-3 and Table 5-5, the Project with Building A Medical Office/Commercial would result in a net total demand of approximately 75.57 afy ($106.29 - 30.72 = 75.57$ afy). As shown in Table 5-4 and Table 5-5, the Project with Building A Residential/Commercial would result in a net total demand of approximately 67.86 afy ($98.58 - 30.72 = 67.86$ afy).

Projected Single-Dry and Multiple-Dry Year Demand

In all water year types including single-dry and multiple-dry years, it is anticipated that the worst case (conservative estimate) Project net demand of approximately 76 afy or 68 afy under the development scenario with Building A Residential/Commercial instead of the Medical Office Building (A) will remain unchanged, unless consumers within the City's service area are specifically asked to reduce water use through active conservation measures described in Section 8 of PWP's 2020 UWMP.

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SECTION 6

Supply-Demand Comparison

This section reviews the regional, local, and Project-level supply and demand considerations.

6.1 MWD’s Water Supply Sufficiency

MWD strives for a “diverse water portfolio” that allows it to meet demands even in years when its primary supplies would be inadequate. In fact, MWD has developed a water supply portfolio capable of meeting all demands in any given year. As documented in MWD’s 2020 UWMP that it plans for drought conditions and potential water shortages, and therefore has taken measures to have water in storage within its existing water supply systems and facilities to use during years when SWP and CRA supplies are curtailed. Using surplus water from normal and wet years, MWD’s large storage portfolio contains both dry-year storage and emergency storage that can be used to meet demand in case of shortages. As documented in its 2020 IRP scenario planning components are being used to predict a broader range of possible water supply and demand futures. As previously discussed, MWD’s UWMP, its Water Shortage Contingency Planning and Drought Risk Assessments use a similar approach to assess reliability of water supplies and sufficiency to meet demand. Operational studies used in this assessment demonstrate that MWD has sufficient water supply to meet the anticipated future demand for every hydrologic year on record. Therefore, MWD does not anticipate any reductions in water supply availability even if SWP and/or CRA supplies are curtailed due to drought and/or water quality concerns over the study period.

Tables 6-1, 6-2 and 6-3 illustrate the available water supplies as hydrologic conditions change when compared to demand changes through 2045. In years of above-average rainfall, MWD can store more water throughout its storage system effectively building up more supplies for single-dry or multiple-dry years.

6.2 Local Water Supply Sufficiency

Table 6-1 compares the City’s projected supply and demand over a 20-year planning horizon (in this case, projected out to 2045) under normal water year conditions. As shown in Table 6-1, the City can satisfy all customer demands in each year.

TABLE 6-1
PASADENA NORMAL-YEAR SUPPLY AND DEMAND COMPARISON – POTABLE (AFY)

	2025	2030	2035	2040	2045
Supply Totals	31,078	31,192	31,284	31,537	31,409 ^a
Demand Totals	26,750	25,000	25,320	25,630	25,950 ^b
Difference	4,328	6,192	5,964	5,907	5,459

NOTES:

afy = acre-feet per year

^a The 2045 supply total is projected based on a second order polynomial extrapolation (e.g., curve of best fit) from year 2025, 2030, 2035, and 2040 data in the PWP Final 2020 Urban Water Management Plan. The anticipated 2045 supply total projected in this table may differ from PWP's official projection in future updates to its Urban Water Management Plan. Refer to Attachment 1 for calculation details regarding the projected 2045 extrapolation.

^b PWP, 2020 Water System and Resource Plan, Appendix A, p. A-6 (2045 data).

Source: *PWP Final 2020 Urban Water Management Plan, Table 7-2*

The future water demands for the City and the entire region have been estimated by MWD using its new Econometric Demand Model. This model uses forecast data from SCAG for variables including population, housing units, and employment. Although the City is using lower demand projections which take into account the reductions to meet 20x2020 targets, these MWD projections provide the basis for dry-year reliability planning.

Generally, dry weather, especially hot, dry weather, causes an increase in water demand, mostly for landscape irrigation. However, water use efficiencies and conservation practices during past droughts have successfully lowered water demand.

For water supply planning purposes, PWP in its final 2020 UWMP presented a comparison of projected water supply and demand for over a 20-year planning horizon. Based on this information, PWP's final 2020 UWMP projects that neither PWP nor its customers will experience supply deficits in normal or non-drought years through the year 2040. As a result, PWP does not expect critical shortages during the 20-year planning period in PWP's current 2020 UWMP. When taking dry and multiple dry years into account, as discussed in section 4.4.3 above PWP's water supply and demand forecasting model projected that beginning in 2020 and extending to 2040, PWP can meet its service area water demand without implementing conservation measures approximately 91 percent of the time; while in the remaining 9 percent of this period, the projected water supply shortage could range from approximately 1,000 to 1,500 afy. Based on extrapolated data from PWP's final 2020 UWMP, critical shortages would not be expected through 2045.

Chapter 8, Water Shortage Contingency Plan (WSCP), of the PWP 2020 UWMP, explains how PWP intends to act in the case of an actual water shortage condition. The WSCP anticipates a water supply shortage and provides pre-planned guidance for managing and mitigating a shortage. Prior to invoking the WSCP, PWP can implement voluntary or mandatory demand management measures (DMMs) as described in detail in Chapter 9 of its final 2020 UWMP. Through planned implementation of DMMs, PWP forecasts that no critical shortages will take place during the 20-year planning period and no critical shortages are expected through 2045.

PWP has continuously implemented a water conservation program since 1991. Voluntary and mandatory DMMs can reduce demand by 10, 15, 20 and as much as 25 percent in some years.

Table 6-2, and **Table 6-3**, provide a comparison of supply to demand during single-dry- and multiple-dry-year periods. As shown in these tables, water demand in the City will increase over the 20-year planning period (in this case, projected out to 2045). Water supplies provided by MWD and supplemented by groundwater supplies are sufficient to meet demand. As shown in Table 6-2, PWP can meet existing demand, in addition to new demands created by the Project, and no shortfall will occur.

TABLE 6-2
SINGLE-DRY-YEAR SUPPLY AND DEMAND COMPARISON – POTABLE (AFY)

	2025	2030	2035	2040	2045
Supply Totals	31,886	32,003	32,098	32,172	32,224 ^a
Demand Totals	26,750	25,000	25,320	25,630	25,950 ^b
Difference	5,136	7,003	6,778	6,542	6,274

NOTE:

afy = acre-feet per year

^a The 2045 supply total is projected based on a second order polynomial extrapolation (e.g., curve of best fit) from year 2025, 2030, 2035, and 2040 data in the PWP Final 2020 Urban Water Management Plan. The anticipated 2045 supply total projected in this table may differ from PWP's official projection in future updates to its Urban Water Management Plan. Refer to Attachment 1 for calculation details regarding the projected 2045 extrapolation.

^b PWP, 2020 Water System and Resource Plan, Appendix A, p. A-6 (2045 data).

Source: *PWP Final 2020 Urban Water Management Plan, Table 7-3*

6.2.1 Multiple-Dry Years

As shown in Table 6-3, PWP uses MWD's projections to provide the basis for dry year reliability planning. PWP's draft 2020 UWMP evaluates supply and demand comparisons for multiple-dry years. The City's water supply during a dry period could exceed the supplies used during a normal year given the ability to purchase additional imported supplies from its wholesaler, MWD. Furthermore, MWD projects sufficient supplies and storage to meet demands in future single- and multiple-dry-year scenarios (Tables 6-2 and 6-3).

TABLE 6-3
MULTIPLE-DRY-YEAR SUPPLY AND DEMAND COMPARISON (AFY)

Years	2025	2030	2035	2040	2045
Year 1					
Supply Totals	31,533	31,943	32,047	32,130	31,978 ^a
Demand Totals	26,750	25,000	25,320	25,630	25,950 ^b
Difference	4,783	6,943	6,727	6,500	6,028
Year 2					
Supply Totals	31,533	31,943	32,047	32,130	31,978 ^a
Demand Totals	26,750	25,000	25,320	25,630	25,950 ^b
Difference	4,783	6,943	6,727	6,500	6,028
Year 3					
Supply Totals	31,533	31,943	32,047	32,130	31,978 ^a
Demand Totals	26,750	25,000	25,320	25,630	25,950 ^b
Difference	4,783	6,943	6,727	6,500	6,028
Years 4					
Supply Totals	31,533	31,943	32,047	32,130	31,978 ^a
Demand Totals	26,750	25,000	25,320	25,630	25,950 ^b
Difference	4,783	6,943	6,727	6,500	6,028
Year 5					
Supply Totals	31,533	31,943	32,047	32,130	31,978 ^a
Demand Totals	26,750	25,000	25,320	25,630	25,950 ^b
Difference	4,783	6,943	6,727	6,500	6,028

NOTES:

afy = acre-feet per year

^a The 2045 supply total is projected based on a second order polynomial extrapolation (e.g., curve of best fit) from year 2025, 2030, 2035, and 2040 data in the PWP Final 2020 Urban Water Management Plan. The anticipated 2045 supply total projected in this table may differ from PWP's official projection in future updates to its Urban Water Management Plan. Refer to Attachment 1 for calculation details regarding the projected 2045 extrapolation.

^b PWP, 2020 Water System and Resource Plan, Appendix A, p. A-6 (2045 data).

Source: PWP Final 2020 Urban Water Management Plan, Table 7-4

Furthermore, MWD's contingency plan for responding to water shortages is the Water Supply Allocation Plan (WSAP).¹¹ WSAP is based on a guiding principle for allocating shortages across MWD's service area. The WSAP formula uses different adjustments and credits to balance impacts of water shortage at the retail level, where local supplies can vary dramatically, and provide equity on the wholesale level among member agencies. It also takes into account the following: growth in demand, local investments, change in local supply conditions, the reduction

¹¹ WSAP approved by MWD Board of Directors in February 2008.

in potable water demand from recycled water, and the implementation of water conservation programs.¹²

Furthermore, as shown in Table 6-4 PWP has chosen to use the same dry year hydrologic scenarios as selected by MWD, which will allow PWP to use information about imported water supply reliability derived from modeling completed through the 2015 IRP Update process. Due to MWD's investments in continued reliability and sustainability programs that consider climate change issues the projections shown in Table 6-4 do not vary. The City's supply is determined to be reliable in normal-, single-dry-, and multiple-dry-year scenarios, with additional supplies purchased from MWD to meet demands in dry years as needed.

Even though Tables 6-2 and 6-3 show available MWD supply is sufficient to meet PWP's demands, based on MWD's IRP model simulations for the future under different hydrology conditions, it is possible that some extreme dry years could result in MWD allocations. MWD's model does in fact show some potential years in which allocations would be applied, reducing supply to PWP. For the years in which MWD supply could be reduced, a WSCP is in place. Table 6-4 provides the data for a five-year drought risk assessment with and without the WSCP in place.

TABLE 6-4
FIVE-YEAR DROUGHT RISK ASSESSMENT

	2021	2022	2023	2024	2025
Total Water Use	28,500	28,065	27,625	27,200	26,750
Total Supplies	29,290	31,533	31,533	31,533	31,533
Surplus/Shortfall w/o WSCP Action	790	3,468	3,908	4,333	4,783
Planned WSCP Actions (use reduction and supply augmentation)					
WSCP - supply augmentation benefit	182	182	182	182	182
WSCP - use reduction savings benefit	56	1,129	1,129	1,129	1,129
Revised Surplus/(shortfall)	1,028	4,779	5,219	5,644	6,094
Resulting % Use Reduction from WSCP action	0%	4%	4%	4%	4%

Source: PWP Final 2020 Urban Water Management Plan, Table 7-5

This WSA finds that the City has sufficient water supplies under all hydrologic conditions, through agreements with and provided by MWD and use of its existing groundwater pumping rights from the RB. Because of MWD's long-term success of delivery of water to all customers and commitment to continue to serve treated water to all retailers, when SWP and CRA curtailments occur, MWD has supply flexibility through its vast network of water supply facilities and long-term water management programs to continue to meet all demands. In addition, PWP could pump additional local groundwater during drought, emergency or other surface supply reductions to meet demands in the future. Furthermore, consumers and retailers could effectively reduce demands by 10 or 25 percent to relieve demand pressure on local and regional supplies. It

¹² WSAP and the WSDM were incorporated into MWD's 2020 WSCP and prepared in conjunction with MWD's 2020 UWMP.

is reasonable to assume, based on the consumer demand reductions that PWP customers would continue to curb per-capita use and when necessary based on water supply allocations, customers could reduce per capita demands by up to 25 percent.

Project Water Supply Sufficiency

In normal years, the Project with Building A Medical Office/Commercial as detailed in Section 5 would create an estimated net demand of approximately 76 afy¹³ of new water demand (a conservative estimate), or about 0.24 percent of the City's anticipated total system supply of 31,078 afy in 2025, 0.24 percent of the supply of 31,357 afy in 2040, and 0.24 percent of the supply of 31,409 afy in 2045. If the Project with Building A Residential/Commercial is pursued, this development scenario would use up to an estimated net demand of approximately 68 afy (a conservative estimate)¹⁴, or about 0.22 percent of the City's anticipated total system supply of 31,078 afy in 2025, 0.22 percent of the supply of 31,357 afy in 2040, and 0.22 percent of the supply of 31,409 afy in 2045.

As stated previously, the 2020 UWMP aligns with Pasadena's population and land use and consistent with SCAG population and employment projections includes potential water demands that would be generated by land use changes and new commercial and residential developments similar to the Project. To convey water to the Project site, this WSA assumes the Project would use treated water delivered through existing or upgraded infrastructure connected to and expanded upon the City's existing water conveyance systems.

¹³ Calculated water demands based on Los Angeles Bureau of Sanitation, 2020 wastewater generation rates

¹⁴ Calculated water demands based on Los Angeles Bureau of Sanitation, 2020 wastewater generation rates

SECTION 7

Conclusion

According to the requirements of Water Code Section 10910(c)(3) “the water supply assessment for the project shall include a discussion with regard to whether the public water system's total projected water supplies available during normal, single-dry, and multiple-dry water years during a 20-year projection will meet the projected water demand associated with the proposed project, in addition to the public water system's existing and planned future uses, including agricultural and manufacturing uses.”

As previously shown in Tables 6-1, 6-2 and 6-3, MWD can meet all water demands in normal, single-dry, and multiple-dry years by utilizing its current and diverse water portfolio. Voluntary measures and, when required, demand reduction measures during dry years would alleviate system demand capacities during periods of SWP and CRA curtailments (for drought, emergency, or environmental mitigation reasons). As discussed, customers in the PWP’s service area successfully reduced water uses and curbed demand in previous multiple-year droughts in 1990–1992 and 2008–2010 and significantly reduced demand by 25 percent in the most recent drought. Therefore, it is reasonable to assume that this level of conservation could be achieved again. As shown in Table 5-1, the total demand in PWP’s service area in 2020 was 29,290, or 153 gallons per capita per day (gpcd), which is much lower than its 169 gpcd target—demand hardening is expected to occur over time; however, some level of conservation measures can still successfully reduce demand if necessary.

The current Project site water use is already included in existing demand. Therefore, net new demand would range from approximately 68 to 76 afy depending on land use scenario. As previously discussed, the Project would contribute to about 0.24 percent of the City’s anticipated total system supply of 31,078 afy in 2025, 0.24 percent of the supply of 31,357 afy in 2040, and 0.24 percent of the supply of 31,409 afy in 2045. If the Project with Building A Residential/Commercial is pursued, this development scenario would use up about 0.22 percent of the City’s anticipated total system supply of 31,078 afy in 2025, 0.22 percent of the supply of 31,357 afy in 2040, and 0.22 percent of the supply of 31,409 afy in 2045. As the Project with Building A Medical Office/Commercial and the Project with Building A Residential/Commercial would be consistent with the Project’s land use designation in Pasadena’s 2035 General Plan as part of planned growth within the City’s Central District, potential demand for the Project is considered as part of the PWP 2020 UWMP. Therefore, this WSA finds that MWD, as the wholesale potable water supplier has sufficient water supplies available to serve its member agencies, including PWP, now and through the 2045 planning horizon. In addition, PWP’s groundwater, including its annual groundwater credits stored in the RB, are reliable in all water year types. With that understanding, this WSA finds that PWP has sufficient water supplies in all

water year types provided through MWD and supplemented with local groundwater to meet existing demands combined with the Project demands and cumulative demands of the PWP 2020 UWMP.

SECTION 8

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Attachment 1: 2045 Projections

Projection for Tables 4-2, 4-3, and 4-5

Year AFY

Data from PWP Final 2020 Urban Water Management Plan

2025 19,248

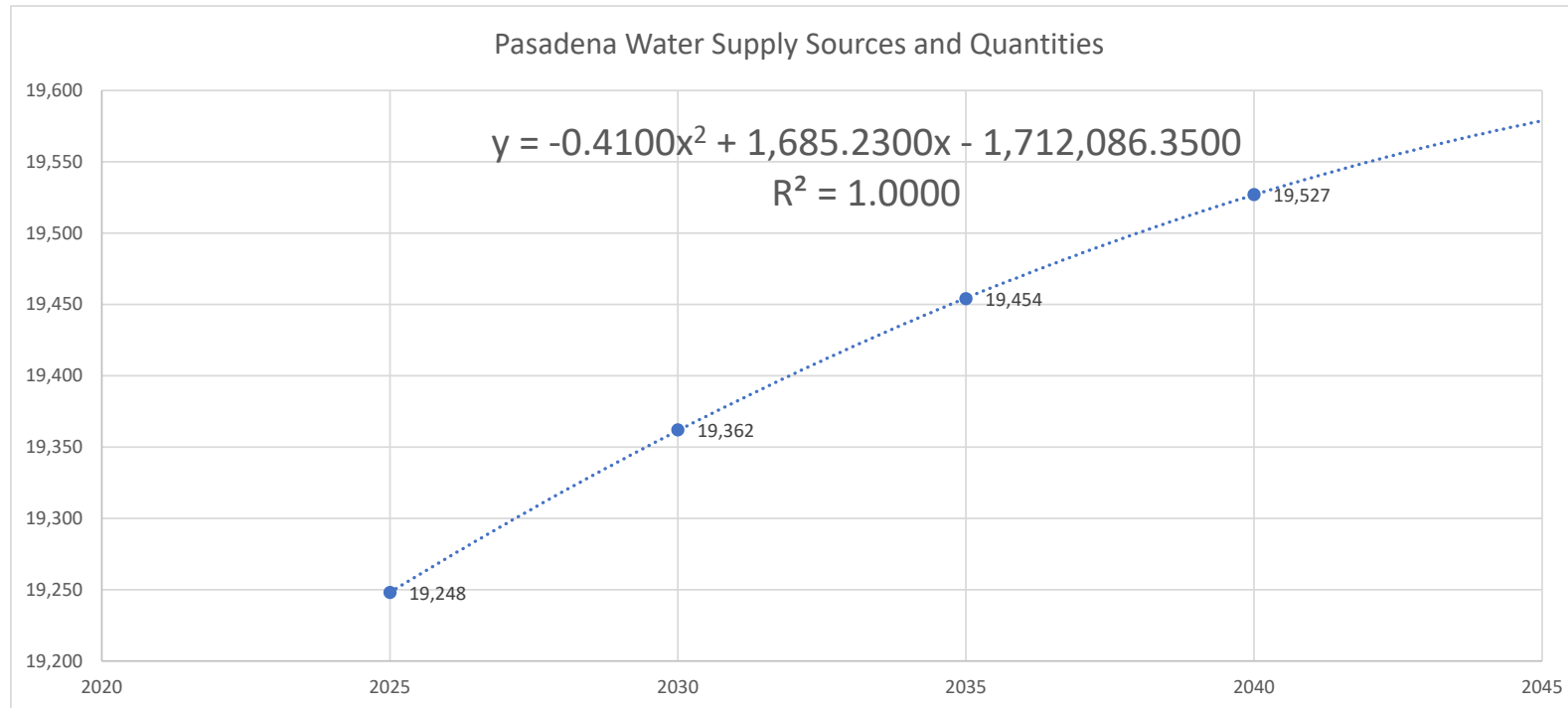
2030 19,362

2035 19,454

2040 19,527

Projected data based on curve of best fit

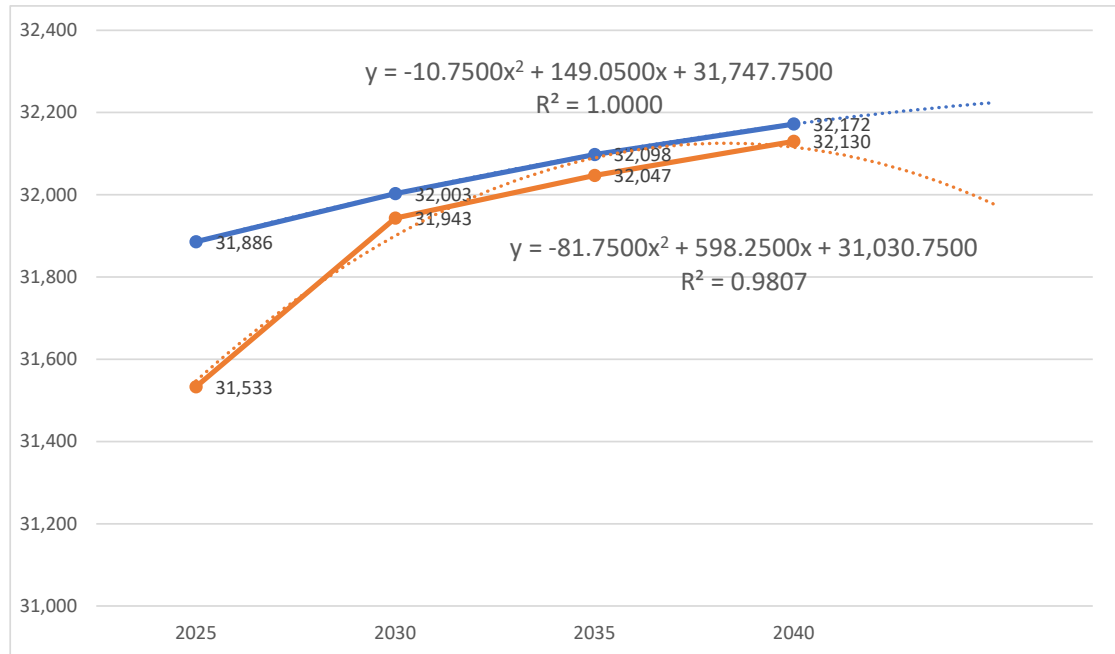
2045 19,579



Projection for Tables 6-2 and 6-3

x =	1	2	3	4	5
	2025	2030	2035	2040	2045
Supply Totals (Single)	31,886	32,003	32,098	32,172	32,224
Supply Totals (Multiple)	31,533	31,943	32,047	32,130	31,978

(Projected data based on curve of best fit)



Attachment 2: Landscaping Water

WATER EFFICIENT LANDSCAPE WORKSHEET

Affinity Project - Estimated Yearly Water Usage

Yearly Reference Evapotranspiration (ETo) **52.3**

Hydrozone #	Plant Water Needs	Plant Factor (PF)	Irrigation Method	Irrigation Efficiency (IE)	ETAF (PF/IE)	Landscape Area (sq. ft.)	PERCENT	ETAF x Area	pf x Area	Estimated Total Water Use (ETWU)
Regular Landscape Areas										
1st (Ground) Floor	VERY LOW	0.1	DRIP	0.81	0.1235	120	3%	15	12	480
1st (Ground) Floor	LOW	0.2	DRIP	0.81	0.2469	90	2%	22	18	721
1st (Ground) Floor	MODERATE	0.4	DRIP	0.81	0.4938	1140	24%	563	456	18,255
2nd Floor	VERY LOW	0.1	DRIP	0.81	0.1235	410	9%	51	41	1,641
2nd Floor	LOW	0.2	DRIP	0.81	0.2469	70	1%	17	14	560
2nd Floor	MODERATE	0.4	DRIP	0.81	0.4938	820	17%	405	328	13,131
3rd Floor	VERY LOW	0.1	DRIP	0.81	0.1235	10	0%	1	1	40
3rd Floor	LOW	0.2	DRIP	0.81	0.2469	315	7%	78	63	2,522
3rd Floor	MODERATE	0.4	DRIP	0.81	0.4938	20	0%	10	8	320
4th Floor	VERY LOW	0.1	DRIP	0.81	0.1235	205	4%	25	21	821
4th Floor	LOW	0.2	DRIP	0.81	0.2469	335	7%	83	67	2,682
4th Floor	MODERATE	0.4	ROTARY	0.75	0.5333	1200	25%	640	480	20,753
					Totals	4735		1910	1509	61,926

Special Landscape Areas										
					1.0000					
					1.0000					
					Totals	0		0	0	
ETWU = (ETo)(0.62)[(ETAF)(LANDSCAPE AREA) + ((1-ETAF)(SPECIAL LANDSCAPE AREA))]							ETWU Total		61,926	
MAWA = (ETo)(0.62)[(ETAF)(LANDSCAPE AREA) + ((1-ETAF)(SPECIAL LANDSCAPE AREA))]*							Maximum Allowed Water Allowance (MAWA)		84,445	

* WHERE ETAF = 0.55 FOR RESIDENTIAL AREAS AND 0.45 FOR NON-RESIDENTIAL AREAS

	SQUARE FEET	PERCENT OF TOTAL
TURF AREA	0	0%

ETAF CALCULATIONS:

Average Daily Water Usage Estimated (gallons)	170
---	-----

REGULAR LANDSCAPE AREAS

TOTAL ETAF x AREA	1910
TOTAL AREA	4735
AVERAGE ETAF	0.40

Average ETAF for Regular Landscape Areas must be 0.55 or below for residential areas, and 0.45 or below for non-residential areas.

ALL LANDSCAPE AREAS

TOTAL ETAF x AREA	1910
TOTAL AREA	4735
AVERAGE ETAF	0.40