

Agenda Report

TO: CITY COUNCIL

DATE: May 18, 2009

THROUGH: MUNICIPAL SERVICES COMMITTEE (April 29, 2009)

FROM: CITY MANAGER

SUBJECT: ADOPTION OF THE SEWER SYSTEM MANAGEMENT PLAN (SSMP)

RECOMMENDATION:

It is recommended that the City Council:

1. Acknowledge that the Sewer System Management Plan is exempt from the California Environmental Quality Act (CEQA) pursuant to Division 13, Section 21000 et seq. of the Public Resources Code and Title 14, Sections 15061 (b) (3) and 15308;
2. Adopt a resolution approving the Sewer System Management Plan document prepared by Kennedy/Jenks Consultants (K/J) dated June 2008, included herein as Exhibit "A"; and
3. Authorize the Director of Public Works to certify and submit the Sewer System Management Plan document to the State Water Resources Control Board (SWRCB).

BACKGROUND:

In April 2004, staff hired Kennedy/Jenks Consultants (K/J) to prepare a Master Sewer Plan (MSP). The Master Sewer Plan evaluated the system for hydraulic capacity, provided recommendations for operational and maintenance practices, evaluated replacement needs of aging and aged facilities, made recommendations to ensure financial solvency and recommended establishing a Sewer Facility Charge. The findings contained in the MSP were adopted by the City Council on January 22, 2007.

In May 2006, the California State Water Resources Control Board adopted Order No. 2006-0003, entitled "Statewide General Waste Discharge Requirements (WDR) for Sanitary Sewer Systems," to regulate public wastewater collection (sewer) systems with the goal of reducing the number and volume of sanitary sewer overflows (SSOs) throughout the state. The City of Pasadena owns and operates approximately 322 miles

of sewer pipes; and is required to comply with the WDR. In June 2006, an amendment was approved to the MSP contract with K/J for the preparation of the Sewer System Management Plan, since much of the information developed for the MSP was also needed for the SSMP.

In accordance with the WDR, the City shall (1) participate in the Monitoring and Reporting Program (MRP) No. 2006-0003, issued as an attachment to the subject Order, and report all sewage spills to the SWRCB electronically; and (2) develop and implement a customized Sewer System Management Plan to provide a plan and schedule to manage, operate, and maintain the City's sanitary sewer system. The City of Pasadena, categorized as an agency with a population greater than 100,000, is required to complete all the mandatory SSMP elements and submit a certified SSMP document to the SWRCB by May 2009.

The SSMP must include the identification of legal authority of the operator; an operation and maintenance program; pipe design and performance standards; an overflow emergency response program; a fats, oil, and grease control program; a system evaluation and capacity assurance plan; a monitoring and audit program; a communication program; and the certification required by the SWRCB (see attached summary).

The legally responsible officials for the sanitary sewer system are required to enroll the City for coverage under the WDR and file a Notice of Intent (NOI) with the SWRCB. An NOI was submitted by the Director of Public Works as the Enrollee, on behalf of the City of Pasadena in October 2006. Both the SSMP document and the SSMP implementation program must be certified by the Enrollee to be in compliance with the requirements set forth in the WDR, and must be approved by the Agency's governing board at a public meeting. The SSMP will need to be updated every five years, and be recertified if there are any significant program changes.

The SSMP document was presented and discussed by the Municipal Services Committee on April 29, 2009. Upon approval of the City Council, said document will be certified by the Director of Public Works and submitted to the California State Water Resources Control Board by May 21, 2009.

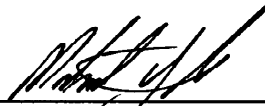
ENVIRONMENTAL:

There is no new construction proposed as part of this action. This action authorizes the City to adopt and submit the SSMP (with the previously adopted programs and projects) and the SSMP implementation program to the SWRCB. The proposed actions have been determined to be exempt from the California Environmental Quality Act (CEQA) per Sections 15061 (b) (3) and 15308.

FISCAL IMPACT:

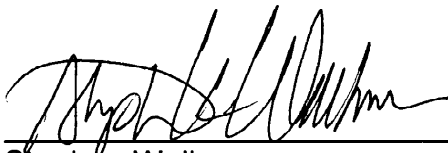
In compliance to the California Water Code Section 13260, an appropriate annual fee shall be submitted by all Enrollees covered under the WDR. The fee is based on the daily population served by the sanitary sewer system. The annual fee for Fiscal Year 2009 for the City of Pasadena was \$6,577. Sufficient funds are available in Budget Account Number 8212-205-764300, the Sewer Construction and Maintenance Fund to cover the annual fees.

Respectfully submitted,



MICHAEL J. BECK
City Manager

Prepared by:



Stephen Walker
Principal Engineer

Approved by:



Martin Pastucha, Director
Department of Public Works

Sewer System Management Plan - Summary Report

In accordance with the State Water Resources Control Board (SWRCB) Order No. 2006-0003 (Order), the City of Pasadena (City) has developed a Sewer System Management Plan (SSMP). The primary purpose of the SWRCB Order and this SSMP is to demonstrate that the City has a proactive plan for the operation, maintenance, and management of its sanitary sewer system to minimize the potential for sanitary sewer overflows (SSOs). The following issues are being covered in the SSMP document:

Organization: The section lists the City employees in charge of administering the SSMP and provides the chain of communication associated with the receipt and reporting of sanitary sewer overflows (SSOs). The key personnel include the Director of Public Works, the City Engineer, the Public Works Administrator, the Public Works Superintendent for Operations and Maintenance, and various maintenance staff.

Legal Authority: The City is required to demonstrate that it has the legal authority as prescribed through appropriate ordinances and service agreements to prevent illicit discharges, require appropriate construction, ensure maintenance, limit materials that may cause blockages, and monitor any violations. Said authority is contained in PMC Chapter 8.14, "Grease and Oil Disposal Ordinance," and Chapter 13.24, "Sewer Construction and Maintenance."

Operation and Maintenance: This section presents an overview of the existing and recommended operational procedures, staffing, and budget for this activity. In summary, the sewer and storm drain crew section (11 staff members) is responsible for cleaning all citywide sewers annually, with prioritized root and/or grease-infested sewers being cleaned quarterly; inspecting and maintaining both pump stations twice a week; and responding to complaints and emergencies on an as-needed basis. In addition, they perform video inspections on the system, with a goal to complete the televising of all sewers in an approximate 7-year cycle.

Sanitary Sewer Overflow Response Plan (SSORP): The SSORP is designed to ensure that every report of a confirmed sewage overflow is immediately dispatched to the appropriate crews so that the impact of the overflow can be minimized to protect public health and water quality of surface waters. It outlined the responsibilities of the crews upon arrival as well as the containment and cleanup procedure. The SSORP further ensures that notification and reporting is made to the appropriate local, state and federal authorities in a timely manner.

Fats, Oils, and Grease (FOG) Control Program: Provisions for a FOG control program are in Chapters 8.14 and 13.24 of the Pasadena Municipal Code. FOG is being addressed and enforced through multiple City departments. The Department of Public Works provides prioritized cleaning and maintenance of the City's sanitary sewer system. The Department of Public Health inspects and monitors the likely sources of FOG into the sewer system, enforcing the installation and use of grease interceptors or traps. The Departments of Planning and Development and Public Health collaborate in the requirement and approval of the design of grease interceptors or traps through plan checking procedure. Pasadena residents are also informed of the FOG control program through public outreach and education such as the community newsletter, *Pasadena in Focus*.

Design and Performance Provisions: The design, rehabilitation, and repair of the City's sewer system is based on a combination of standard plans from the City's Department of Public Works, the Los Angeles County Department of Public Works, and the Standard Plans and Specifications for Public Works Construction (Greenbook), with the Pasadena Modifications and Supplements to the Greenbook.

System Evaluation and Capacity Assurance Plan: The City's Master Sewer Plan adopted in 2007 has addressed the sewer system evaluation and capacity assurance element of the SSMP, by means of hydraulic modeling software. The appropriate design and operating criteria was established under both wet and dry weather flows for existing and future scenarios. The evaluation has identified approximately 45,000 feet of pipelines that appeared to have insufficient capacity. These facilities were prioritized into projects of the Capital Improvement Program to facilitate efficient budgeting and scheduling over the next decade.

Monitoring, Measurement and Program Modifications: In compliance with the SSMP requirements, the City shall maintain information to establish and prioritize appropriate SSMP activities; monitor the implementation and measure the effectiveness of all the SSMP elements; assess the success of the preventative maintenance program; update the SSMP elements as necessary; and identify and illustrate SSO trends including frequency, location, and volume.

SSMP Program Audits: The elements of the SSMP will be internally reviewed and audited on a bi-annual basis as required, to evaluate its effectiveness and the City's compliance. The audit shall include identify any deficiencies in the SSMP and document the appropriate remedial steps and procedures.

Communication Program: The City will communicate with the Los Angeles County Sanitation District at least annually, and prior to the submittal of any updates to the State Water Resources Control Board. In addition, the City has presented the 2007 Master Sewer Plan, which constitutes approximately 90 percent of the SSMP components, in several public meetings for comments and to increase public awareness.

RESOLUTION NO. _____

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF PASADENA ADOPTING THE SEWER SYSTEM MANAGEMENT PLAN ("SSMP") PREPARED BY KENNEDY/JENKS CONSULTANTS, AND AUTHORIZING THE DIRECTOR OF PUBLIC WORKS TO CERTIFY AND SUBMIT THE SSMP TO THE STATE WATER RESOURCES CONTROL BOARD (SWRCB) AS THE CITY'S LEGALLY RESPONSIBLE OFFICIAL.

WHEREAS, the State Water Resources Control Board adopted Order No. 2006-0003 ("Order"), entitled, the Statewide General Waste Discharge Requirements ("WDR") for Sanitary Sewer Systems, in May, 2006; and

WHEREAS, all federal and state agencies, municipalities, counties, districts, and other public entities that own or operate sanitary sewer systems greater than one mile in length that collect and/or convey untreated or partially treated wastewater to a publicly owned treatment facility in the State of California, which would include the City of Pasadena, are required to comply with the terms of the Order, pursuant to California Water Code, Section 13263; and

WHEREAS, in compliance with the WDR, the City of Pasadena shall enroll for coverage and develop and implement a customized Sewer System Management Plan, and submit a certified SSMP document to the State Water Resources Control Board for approval by May, 2009; and

WHEREAS, the SSMP prepared by Kennedy/Jenks Consultants dated June 2008 has been reviewed by the City's Department of Public Works, and is now ready for approval; and

WHEREAS, the WDR requires that the SSMP be presented to the Agency's governing board for approval at a public meeting, and be certified by the agency's legally responsible official.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL of the City of Pasadena that the Sewer System Management Plan prepared by Kennedy/Jenks Consultants is hereby adopted, and the Director of Public Works, as the agency's legally responsible official, is hereby authorized to certify and submit said Plan to the State Water Resources Control Board.

Adopted at the _____ meeting of the City Council on the _____ day of _____, 2009 by the following vote:

AYES:

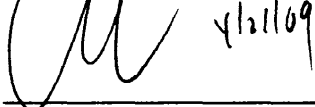
NOES:

ABSENT:

ABSTAIN:

MARK JOMSKY, CMC
City Clerk

Approved as to form:



4/21/09

NICHOLAS G. RODRIGUEZ
Assistant City Attorney