




Office of the City Manager

CONSENT CALENDAR
April 29, 2014

To: Honorable Mayor and Members of the City Council
From:  Christine Daniel, City Manager
Submitted by: Andrew Clough, Director, Public Works
Subject: Updated Sewer System Management Plan

RECOMMENDATION

Adopt a Resolution approving Berkeley’s updated Sewer System Management Plan, as mandated by the State Water Resources Control Board.

FISCAL IMPACTS OF RECOMMENDATION

Approval of the updated Sewer System Management Plan (SSMP) has no direct fiscal impact. There are potential future impacts when Consent Decree negotiations with the Environmental Protection Agency and Department of Justice are final. Reports will be submitted for Council approval when authority is required to implement specific work.

CURRENT SITUATION AND ITS EFFECTS

Berkeley’s SSMP must be updated and recertified to improve efficiency and enforcement of the City’s ongoing program adopted in 2009; and for consistency with the State Water Resources Control Board (SWRCB) General Waste Discharge Requirements for Sanitary Sewer Systems (GWDR) adopted in 2006, including revised Monitoring and Reporting Requirements that went into effect in September 2013.

The SWRCB requires the City, as a collection system agency, to have adopted and maintain an SSMP, and the governing body must re-approve the agency’s SSMP every 5 years. The purpose of the SSMP is to identify programs and activities that will, when implemented, reduce the number of sanitary sewer overflows (SSOs). The City’s original SSMP was certified on May 2, 2009, and the SWRCB deadline for recertification of the updated SSMP is May 2, 2014

Over the last 5 years, in accordance with the SWRCB recertification requirement, and to improve the efficiency and enforcement of the City’s ongoing program, the Public Works Department has revised the SSMP. The updated SSMP is published on the City’s website at: www.cityofberkeley.info/Public_Works/Sewers_-_Storm/Sanitary_Sewer_Program.aspx. Highlights of the changes to the SSMP include revisions, additions and clarifications, as summarized in the attached “Record of Changes to the SSMP.”

Council approval of the updated SSMP authorizes the Public Works Maintenance Superintendent to be the City's Legally Responsible Official (LRO) for the purpose of certifying sewer overflow reports to the SWRCB. It also delegates authority to the Public Works Director to make administrative and other minor procedural changes in order to keep the SSMP current.

BACKGROUND

In 2005, the San Francisco Bay Regional Water Quality Control Board (RWQCB) initiated a program that requires electronic reporting of SSOs and development of SSMPs. The City of Berkeley submitted its SSMP in 2009.

Subsequent to the implementation of the RWQCB program, the SWRCB issued an Order in May 2006. This Order mandated a statewide program very similar to the RWQCB program, in that it required electronic reporting of all SSOs and the preparation and implementation of an SSMP. The RWQCB program has now been replaced with the SWRCB program. The SWRCB program requires collection agencies to present the SSMP to the agency's governing board for approval.

ENVIRONMENTAL SUSTAINABILITY

Adoption and implementation of the revised SSMP will minimize the frequency of Sanitary Sewer Overflows, which in turn will minimize impacts to the San Francisco Bay. The SSMP assists staff in properly managing, operating, and maintaining all portions of the City's wastewater collection system, and protecting water quality.

RATIONALE FOR RECOMMENDATION

The City, as a sanitary sewer system collection agency, is required to maintain and periodically update an SSMP, as well as recertify conditions set forth in the SWRCB 2006 Order.

ALTERNATIVE ACTIONS CONSIDERED

None.

CONTACT PERSON

Philip Harrington, Deputy Public Works Director, Public Works, 981-6661
Kenneth Emeziem, Supervising Civil Engineer, Public Works, 981-6444
Adadu Yemane, Associate Civil Engineer, Public Works, 981-6413

Attachments:

- 1: Resolution
2. Record of Changes to the SSMP

Related Links:

SSMP: [www.cityofberkeley.info/Public_Works/Sewers -
_Storm/Sanitary Sewer Program.aspx](http://www.cityofberkeley.info/Public_Works/Sewers_-_Storm/Sanitary_Sewer_Program.aspx)

RESOLUTION NO. ##,###-N.S.

UPDATED SANITARY SEWER SYSTEM MANAGEMENT PLAN

WHEREAS, in July 2005, the San Francisco Bay Regional Water Quality Control Board (RWQCB) required municipalities that own and operate sanitary sewer collection systems to prepare a Sewer System Management Plan (SSMP), and issued guidelines for the preparation of the SSMP; and

WHEREAS, in May 2006, the State Water Resources Control Board (SWRCB), issued Order No. 2006-0003 General Waste Discharge Requirements for Sanitary Sewer Systems (GWDR); and

WHEREAS, pursuant to the statewide GWDR, public agencies that own and operate sanitary sewer systems greater than one mile in length must develop an SSMP, and in accordance with SWRCB requirements, the agency must update, recertify, and have their governing body approve the SSMP every 5 years; and

WHEREAS, the City of Berkeley developed and certified an SSMP in May 2009 that met both RWQCB and SWRCB guidelines, which became part of the City's Sewer Master Plan, and Public Works staff have updated the City's SSMP to meet requirements of the SWRCB, GWDR and revised Monitoring and Reporting Requirements.

NOW THEREFORE, BE IT RESOLVED by the Council of the City of Berkeley that it hereby approves the updated SSMP.

City of Berkeley
Sewer System Management Plan
Record of Changes to the SSMP

Section E.3 of the Monitoring and Reporting Program for the Statewide General Waste Discharge Requirements for Sanitary Sewer Systems (SWRCB Order No. WQ 2013-0058-EXEC) requires the City to maintain a record of changes to the SSMP for a minimum of five years, and the record of changes must be available for review by the State Water Resources Control Board during onsite inspection or through information request. The following is an excerpt of the new requirement:

Records documenting all changes to the SSMP since its last certification indicating when a subsection(s) of the SSMP was changed and/or updated and who authorized the change or update. These records shall be attached to the SSMP.

The City's SSMP was last certified on May 2, 2009. The following table summarizes the changes to the SSMP since its last certification.

SSMP Element	Description of Change or Update	Authorized by	Date
All	Removed references to RWQCB SSMP requirements Moved appendices to separate document	Andrew Clough	Mar. 2014
Introduction	Added additional description of WDR prohibitions and provisions	Andrew Clough	Mar. 2014
1 - Goal	No changes	Andrew Clough	Mar. 2014
2 - Organization	Updated organization chart and added additional description of positions responsible for SSMP implementation Updated chart showing chain of communications for reporting SSOs Updated key staff contact information	Andrew Clough	Mar. 2014
3 - Legal Authority	Updated table of legal authority BMC references Noted that City is planning to develop formal agreements with tributary agencies	Andrew Clough	Mar. 2014
4 - Operations and Maintenance Program	Updated description of sewer maintenance and rehabilitation programs to reflect plans developed for EPA Administrative and Stipulated Orders Updated major equipment and critical replacement parts lists Removed table of staff resources (not required for SSMP) Replaced appendix on Standard Operating Procedure for Sewer Cleaning with section on Sanitary Sewer Maintenance from Public Works Utilities & Streets Division Field Manual	Phil Harrington	Mar. 2014

Attachment 2: Record of Changes to the SSMP (Draft)

SSMP Element	Description of Change or Update	Authorized by	Date
5 – Design and Performance Provisions	Updated appendix on Standards for Sanitary Sewers	Kenneth Emeziem	Mar. 2014
6 – Overflow Emergency Response Plan	Reorganized and updated this chapter to reflect 2013 changes to the SWRCB Monitoring and Reporting Program requirements, including SSO categories; notification, documentation, and reporting requirements; and water quality sampling and monitoring plan Updated reporting forms used by City staff	Phil Harrington	Mar. 2014
7 – FOG Control Program	Updated description of EBMUD Regional FOG control program, including example FOG reporting form and quarterly report Updated list of approved grease haulers Added copy of City's FOG brochure	Phil Harrington	Mar. 2014
8 – System Evaluation and Capacity Assurance Plan	Added summary of Sewer System Hydraulic Modeling and Capacity Assessment study completed in 2012, including discussion of design flow, hydraulic, and capacity criteria Added table listing potential capacity improvement projects Added discussion of I/I reduction efforts being conducted by City	Kenneth Emeziem	Mar. 2014
9 – Monitoring, Measurement, and Program Modifications	Added table of performance metrics to be used to monitor and measure SSMP performance Added description of annual reporting required by EPA and State Added SSMP Change Log for documenting changes to the SSMP	Phil Harrington	Mar. 2014
10 – SSMP Program Audits	Included copy of 2013 SSMP Audit	Phil Harrington	Mar. 2014
11- Communication Program	Added table describing strategies for communication with the public on the SSMP Added table describing plan for communication with tributary or satellite agencies Added copy of City's Sanitary Sewer Program webpage	Andrew Clough	Mar. 2014

