

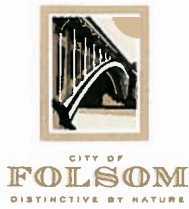


CITY OF
FOLSOM
DISTINCTIVE BY NATURE

Sewer System Management Plan

SSMP Update Summary

As part of the SSMP, the Enrollee shall conduct periodic internal audits, appropriate to the size of the system and the number of SSOs. At a minimum, these audits must occur every two years and a report must be prepared and kept on file. This audit shall focus on evaluating the effectiveness of the SSMP and the Enrollee's compliance with the SSMP requirements identified in this subsection, including identification of any deficiencies in the SSMP and steps to correct them.



SSMP Program Audits

- Internal audits will be performed on every two year basis to determine relevance and effectiveness of each element of the SSMP. Audits will include a review of progress on deficiencies identified in the previous year audit report. A summary of the audit results and significant findings from the Monitoring, Measurement and Program Modification Section will be created and shared with those directly involved within the City.
- If deficiencies or modification are identified as part of the annual audit, the SSMP shall be updated accordingly. A log will be created to document and track progress on recommended program improvements



**Sewer System Management Plan
SSMP Program Audits**

**City of Folsom
Sewer System Management Plan
Annual Audit Report (August 2011)
Adapted from the format developed by BACWA**

This audit includes information regarding the status and implementation of the SSMP as of the end of the fiscal year June 2011. Annual SSO statistics through the fiscal year June 2011 are presented in Table 1.

Table 1 SSMP AUDIT (2011)	
Name of Agency	City of Folsom
Audit Due Date	August 2 nd , 2011
Reporting Period	August 2009 - August 2011
Audit Team	Kyle Ericson, PE (Senior Engineer) Vaughn Fleischbein, PE (Assistant Engineer) Brian Conyers (Wastewater Supervisor) Greg Buletti (Senior Wastewater Technician) Kristina Eicher (Utilities Technician)
System Overview	
Miles of gravity sewer mains	264
Miles of force mains	2.2
Total miles of all sewer lines	266
Number of pump stations	10
Population served (including prison)	72000

I. GOALS **Yes** **No**

1. Are the goals stated in the SSMP still appropriate and accurate?
2. If you answered NO to question 1, describe content and schedule for updates, or provide additional comments for YES response.

Yes, the goals stated in the SSMP are still appropriate and accurate.

II. ORGANIZATION **Yes** **No**

1. Is the SSMP up-to-date with agency organization and staffing contact information?
2. If you answered NO to question 1, describe content and schedule for updates, or provide additional comments for YES response.

The City's organization structure and contact information has changed over the past 2 years. However, these changes have been updated and are currently reflected in the Revised SSMP dated August 2011.



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III. LEGAL AUTHORITY

Yes No

- 1. Does the SSMP contain up-to-date information about your agency's legal authority?
- 2. Does your agency have sufficient legal authority to control sewer use and maintenance?
- 3. If you answered No to questions 1 and/or 2, describe content and schedule for necessary changes, or provide additional comments for YES response.

IV. MEASURES AND ACTIVITIES

A. COLLECTION SYSTEM MAPS

Yes No

- 1. Does the SSMP contain up-to-date information about your agency's maps?
- 2. Are your agency's collection system maps complete, up-to-date, and sufficiently detailed?
- 3. If you answered No to questions 1 and/or 2, describe content and schedule for necessary changes, or provide additional comments for YES response.

B. RESOURCES AND BUDGET

Yes No

- 1. Does the SSMP contain up-to-date information about your agency's resources and budget?
- 2. Are your agency's resources and budget sufficient to support Effective sewer system management?
- 3. Do your agency's planning efforts support long-term goals?
- 4. If you answered No to questions 1, 2 and/or 3, describe content and schedule for necessary changes, or provide additional comments for YES response.

The SSMP's Capital Improvement Program document has project descriptions and budget information for all capital projects. Additional information on the City's capital and operating budgets can be found in the City of Folsom's Annual budget, available on the City's website.



**Sewer System Management Plan
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C. PRIORITIZED PREVENTIVE MAINTENANCE **Yes** **No**

- | | | |
|---|-------------------------------------|--------------------------|
| 1. Does the SSMP contain up-to-date information about your agency's preventive maintenance activities? | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. Are your agency's preventive maintenance activities sufficient and effective in reducing and preventing SSOs and blockages? | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 3. If you answered No to questions 1, and/or 2, describe content and schedule for necessary changes, or provide additional comments for YES response. | | |

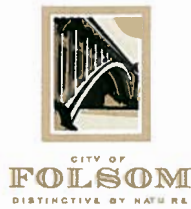
Long-term data is needed to provide more definitive answer to #2. The City has updated and included the following items as part of it's preventive maintenance activities:

- *Included an SOP for the Sewer Vector Truck*
- *Updated Bypass Pumping Procedures for Lake Forest Pump Station*
- *Updated Bypass Pumping Procedures for Pump Station No. 2*
- *Revised and reduced the number of trouble lines due to sewer system improvements within the historic district of the City of Folsom. Specifically the Sutter Street Revitalization Project.*

D. INSEPTIONS & CONDITION ASSESSMENT **Yes** **No**

- | | | |
|---|-------------------------------------|--------------------------|
| 1. Does the SSMP contain up-to-date information about your agency's inspection and condition assessments? | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. Are your agency's scheduled inspections and condition assessment system effective in locating, identifying, and addressing deficiencies? | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 3. If you answered No to questions 1, and/or 2, describe content and schedule for necessary changes, or provide additional comments for YES response. | | |

The City uses information from inspections conducted during maintenance activities to identify any problems or deficiencies.



***Sewer System Management Plan
SSMP Program Audits***

E. EQUIPMENT & REPLACEMENT INVENTORY **Yes** **No**

- | | | |
|---|-------------------------------------|--------------------------|
| 1. Does the SSMP contain up-to-date information about your equipment and replacement inventories? | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. Are contingency equipment and replacement parts sufficient to respond to emergencies and properly conduct regular maintenance? | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 3. If you answered No to questions 1, and/or 2, describe content and schedule for necessary changes, or provide additional comments for YES response. | | |

The City's parts and inventory list has been updated to reflect the most current changes over the past 2 years.

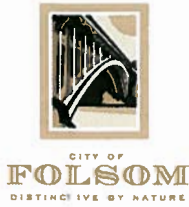
F. TRAINING **Yes** **No**

- | | | |
|---|-------------------------------------|--------------------------|
| 1. Does the SSMP contain up-to-date information about your agency's training expectations and programs? | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. Do supervisors believe that their staff is sufficiently trained? | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 3. Are staff satisfied with the training opportunities and support offered to them? | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 4. If you answered No to questions 1, 2 and/or 3, describe content and schedule for necessary changes, or provide additional comments for YES response. | | |

The City's annual safety training schedule is revised as required.

V. DESIGN AND CONSTRUCTION STANDARDS **Yes** **No**

- | | | |
|--|-------------------------------------|--------------------------|
| 1. Does the SSMP contain up-to-date information about your agency's design and construction standards? | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. Are design and construction standards, as well as standards for inspection and testing of new and rehabilitated facilities sufficiently comprehensive and up-to-date? | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 3. If you answered No to questions 1, and/or 2, describe content and schedule for necessary changes, or provide additional comments for YES response. | | |



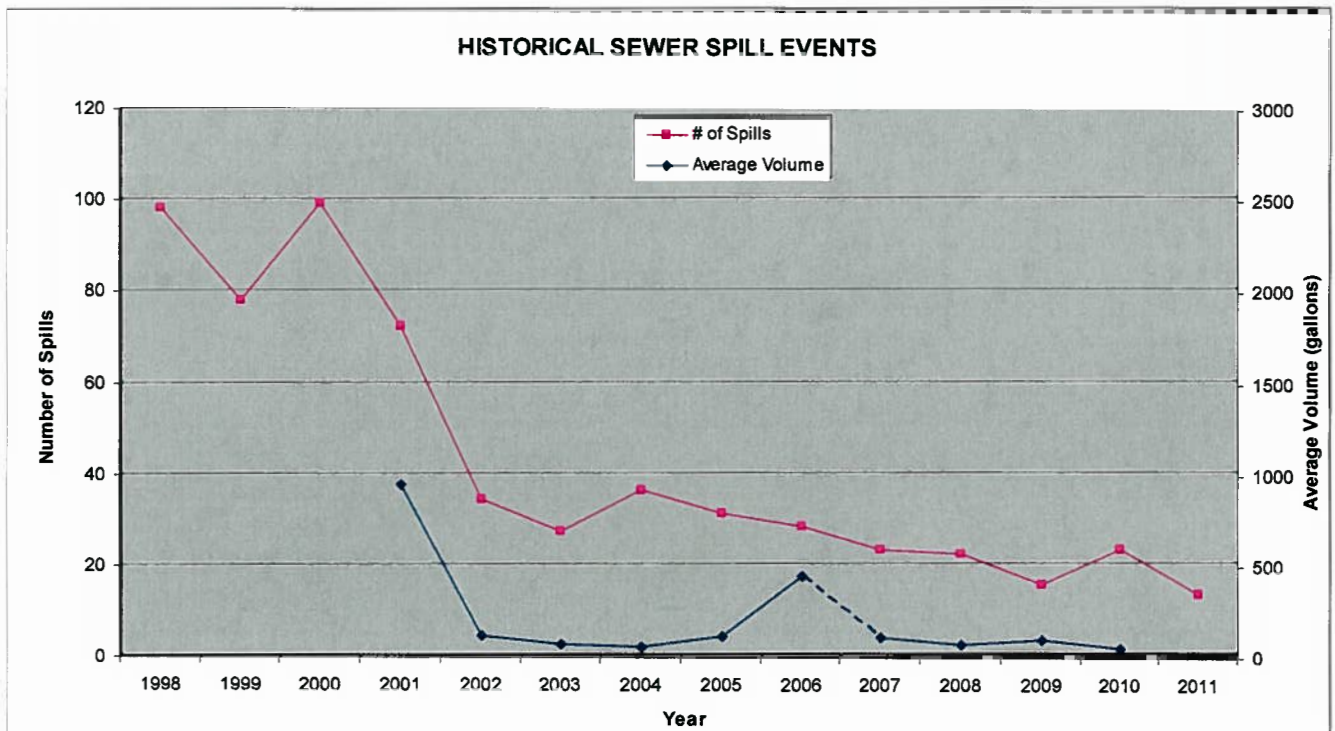
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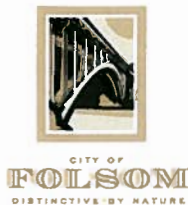
The City is currently working on revisions to the City of Folsom Design Standards and Specifications and expect the new standards to be adopted by 2012.

- | VI. OVERFLOW EMERGENCY RESPONSE PLAN | Yes | No |
|---|-------------------------------------|--------------------------|
| 1. Does the SSMP contain up-to-date version of your agency's Overflow Emergency Response Plan? | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. Is the Overflow Emergency Response Plan effective in handling SSOs? | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 3. If you answered No to questions 1, and/or 2, describe content and schedule for necessary changes, or provide additional comments for YES response. | | |

The Overflow Emergency Response Plan is reviewed and updated annually.

Chart 1 – Annual SSO Statistics





**Sewer System Management Plan
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VII. FATS, OILS, & GREASE (FOG) CONTROL PLAN **Yes** **No**

1. Does the SSMP contain up-to-date information about your agency's FOG control program?
2. Is the FOG program effective in documenting and controlling FOG sources?
3. If you answered No to questions 1, and/or 2, describe content and schedule for necessary changes, or provide additional comments for YES response.

In 2009, the City in partnered with the California Department of Health Services who conducted inspections and provided educational material to all of the Food Service Establishment (FSE) within the City of Folsom identifying which FSE's were in compliance and which ones were not.

VIII. CAPACITY MANGEMENT **Yes** **No**

1. Does the SSMP contain up-to-date information about your agency's capacity assessment?
2. Has your agency completed a capacity assessment and identified and addressed any hydraulic deficiencies in the system?
3. If you answered No to questions 1, and/or 2, describe content and schedule for necessary changes, or provide additional comments for YES response.

Based on a Technical Memo titled, "Basin 6 Diversion Alternatives", dated August 14th, 2007 which came as a result of the City's Wastewater Capacity Analysis Report, it was recommended that the City divert approximately 2.3 MGD of flow from the 27-inch main trunk line to the 33-inch trunk line. Beginning in September 2010 the City began to transfer the flow from the 27-inch to the 33-inch sewer trunk line. The goal of the project was to reduce surcharging in the 27-inch line and reduce odors.

In 2012, the City will begin analyzing its current sewer basin configuration areas and each basins current flow monitoring locations to see if there are ways to optimize each sewer basins and/or meter locations. Once this study is complete and the necessary changes have been made, the City will conduct another capacity analysis study to determine the effectiveness of the Basin Diversion Project and look for areas that need improvement.



**IX. MONITORING, MEASUREMENT &
PROGRAM MODIFICATIONS**

Yes No

- 1. Does the SSMP contain up-to-date information about your agency's data collection and organization?
- 2. Is your agency's data collection and organization sufficient to evaluate the effectiveness of your SSMP?
- 3. If you answered No to questions 1, and/or 2, describe content and schedule for necessary changes, or provide additional comments for YES response.

The SSMP includes a graph of SSMP performance indicators that will be tracked to assess the effectiveness of the SSMP.

X. SSMP AUDITS

Yes No

- 1. Will this SSMP Audit be conducted internally every year and submitted to the Regional Water Board every two years since the date of adoption (August 2nd, 2009)?
- 2. If you answered No to questions 1, describe content and schedule for necessary changes, or provide additional comments for YES response.

The City will update the on-line SSMP with a copy of this 2011 SSMP audit.

XI. COMMUNICATION PROGRAM

Yes No

- 1. Does the SSMP contain up-to-date information about your agency's public outreach activities?
- 2. Does the SSMP contain up-to-date information about your agency's communications with satellite and tributary agencies?
- 3. Has your agency effectively communicated with the public and other agencies about the SSMP, and addressed feedback?
- 4. If you answered No to questions 1, 2, and/or 3, describe content and schedule for necessary changes, or provide additional comments for YES response.

The Communication Program was certified in August 2009 in accordance with the Statewide Order schedule. One component of the Communication Plan is the posting of the entire SSMP, the Annual SSO report, and related documents on the City's website.

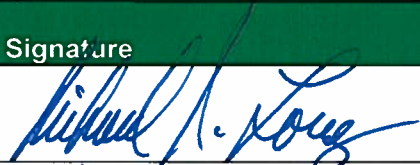




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XII. COMPLETION & CERTIFICATION

We, the undersigned, do hereby certify that information contained in this audit report is to the best of our knowledge true.

Names	Position	Signature	Date
Richard J. Lorenz	Public Works/Utilities Director		07/01/2011
Kyle Ericson	Senior Civil Engineer		07/01/2011
Brian Conyers	Wastewater Supervisor		07/01/2011