

City of Placerville

Sanitary Sewer Collection System Compliance Evaluation Inspection

Placerville, El Dorado County

(CIWQS Place ID 630751)
(Waste Discharge ID # 5SSO10965)

Inspection Date: October 11, 2012 and November 6, 2012

Inspection Report Prepared By: Jim Fischer, State Water Board, Office of Enforcement

Date of Report: November 14, 2012

Attachments

Attachment A – Summary of the City’s reported Sanitary Sewer Overflows (SSOs) in CIWQS

Attachment B – Summary of Individual SSO reports certified by the City in CIWQS

Attachment C – City’s Sewer Collection System Operational Performance Report

Attachment D – City’s Sewer Collection System Questionnaire

Attachment E – Screen print of City’s Sewer System Management Plan Certification screen in CIWQS

Attachment F – Violations for failure to provide required SSO certification on time

Attachment G – Violations for failure to provide required SSO notification on time

1. PURPOSE OF THE INSPECTION

The purpose of the inspection was to evaluate the City of Placerville's (hereafter, City) compliance with the Statewide General Waste Discharge Requirements for Sanitary Sewer Systems, State Water Resources Control Board Order No. 2006-0003-DWQ (hereafter, Sanitary Sewer Order), including the required sewer system management plan (SSMP) requirements, and amended Monitoring and Reporting Program (hereafter, Amended MRP) requirements, contained in Order No. 2008-0002-EXEC.

The inspection consisted of interviews with City staff and management, including review of the City's sewer system records and the City's June 6, 2012 SSMP. Additionally, one former SSO site location was visited by the inspection team on November 6, 2012 and interviews were conducted with collection system management and line staff.

2. COLLECTION SYSTEM DESCRIPTION

As described in the City's June 6, 2012 SSMP, the City sanitary sewer collection system (hereafter, collection system) serves slightly less than 10,000 people in a service area encompassing approximately 3,750 acres. The sphere of influence includes an additional area of approximately 2,550 acres for a total future service area of about 6,300 acres. The collection system is composed of gravity flow pipelines, manholes, pumping stations, and pressure force main assets. The City currently has approximately 2,709 residential and 532 commercial sewer connections.

3. FINDINGS

The following findings in Tables 1 and 2 are inclusive of the onsite inspections and post-inspection review process.

TABLE 1: VIOLATIONS

FINDING	APPLICABLE REQUIREMENT	EVIDENCE
SSO DISCHARGES		
1) <i>Based on the review of CIWQS¹ data between 9/2/07 and 11/5/2012, the City certified 35 Sanitary Sewer Overflows (SSOs) of which 17 (or 49 %) were reached surface waters.</i>	Prohibitions C.1 of Sanitary Sewer Order (see page 7)	All of SSOs that discharged to waters of the United States are in violation of Prohibition C.1 of the Sanitary Sewer Order. (See Attachments A and B for details.)
SSO NOTIFICATION, REPORTING AND SSO DOCUMENTATION		
2) <i>Between 9/2/2007 and 11/5/2012, the City failed to timely certify 16 out of 17 “Category 1” SSO reports (94 % noncompliance rate).</i>	Provision A.4 of Amended MRP (see page 2)	The City is required to complete final, certified Category 1 SSO reports in CIWQS within 15 calendar days of the conclusion of a SSO response and remediation. A list of the SSOs which the City did not meet the required timeframes is included in Attachment F.
3) <i>The City failed to comply with the required 2-hour notification for 12 out of 17 SSOs where sewage reportedly reached a drainage channel or surface water (71 % noncompliance rate).</i>	Notification Provision 1 of Amended MRP (see page 1)	Since February 2, 2008 when the Amended MRP became effective, the City failed to timely notify all three required agencies [State Office of Emergency Services (California Emergency Management Agency after October 1, 2008), the local health officer, and the Regional Water Board] within two hours of becoming aware of an SSO reaching a drainage channel or surface water. A list of the SSOs in which the City failed to provide a 2-hour notification on time to the appropriate agencies is included in Attachment G.

¹ California Integrated Water Quality System (CIWQS), hosted by the State Water Board (See www.waterboards.ca.gov/ciwqs.) The City was first required to report SSOs into CIWQS beginning September 2, 2007.

TABLE 1: VIOLATIONS (continued)

FINDING	APPLICABLE REQUIREMENT	EVIDENCE
SSO NOTIFICATION, REPORTING and DOCUMENTATION (continued)		
4) <i>The City failed to retain and maintain adequate SSO record documentation.</i>	Provision B of Amended MRP (see page 5)	During the October 11, 2012 inspection, information pertaining to customer complaints received by the City was requested for review for calendar year 2011. The City was unable to provide the requested service records for calendar year 2011 during the inspection. Salina Mitchell from the City told the inspection team that many original service call complaints from calendar year 2011 were destroyed to free-up document storage space.
SEWER SYSTEM MANAGEMENT PLAN (SSMP) VIOLATIONS		
5) <i>The City failed to certify and approve an SSMP within the timeframes required in SSS WDRs.</i>	Provisions D.11 (see page 9) and D.14 (see page 15) of Sanitary Sewer Order	Pursuant to the Sanitary Sewer Order and data submitted by the City in the annual Collection System Questionnaire (see Attachment D), the City was required to present its final SSMP to its governing board for approval by May 2, 2010. The City certified completion of its SSMP (see Attachment E) in CIWQS on June 12, 2012.
6) <i>The City failed to implement its approved SSMP.</i>	Provisions D.9 (see page 9), D.11 (see page 9) and D.14 (see page 15) of Sanitary Sewer Order	Based on evidence obtained during both inspections through interviews with collections staff and management, the City collections department is not implementing the City's approved SSMP. For example, senior collections staff were unfamiliar with the City's approved Overflow Emergency Response Plan and procedures contained therein when interviewed by the inspection team. In addition, the City lacks proactive measures for reducing SSOs. When questioned by the inspection team, City collections staff provided significant examples of the City's lack of: adequate staffing to ensure adequate proactive operations and maintenance programs cited in the SSMP can actually be executed; lack of performing regular CCTV inspections; use of standard operating and emergency procedures (SOPs) for sewer maintenance equipment; use of sewer cleaning management strategies; implementation of periodic asset inspection procedures including procedures for inspections of pump stations and force mains; and adequate controls for control of fats, oils, and grease (FOG) from commercial and residential sources, including resources to handle enforcement for violators as necessary.

TABLE 1: VIOLATIONS (continued)

FINDING	APPLICABLE REQUIREMENT	EVIDENCE
SEWER SYSTEM MANAGEMENT PLAN (SSMP) VIOLATIONS (continued)		
<p>7) <i>The City failed to provide adequate training to collection system staff on appropriate SSO documentation and volume estimation.</i></p>	<p>Provisions D.13(iv)(d) (see page 11) and D.13(vi)(d) (see page 12) of Sanitary Sewer Order</p>	<p>The City is required to provide training on a regular basis for staff in sanitary sewer operations and maintenance, and require operators to be appropriately trained. From the interviews conducted with the collection field crews and management, it was evident that staff was not adequately trained on how to properly document and consistently estimate SSO volumes discharged. Collections staff solely rely on applying visual estimation methods to estimate all SSOs, regardless of volume discharged. Further, no SOPs or training records were available to substantiate adequacy of the visual estimation techniques applied in the field.</p>

TABLE 2: AREA OF CONCERN

FINDING	APPLICABLE REQUIREMENT	EVIDENCE
1) <i>The City lacks established procedures to ensure consistent communication and accountability between the engineering department and the sewer collections department.</i>	Provision D.8 (see page 9) of Sanitary Sewer Order	Based on interviews with collections staff, the City does not have procedures in place to maintain adequate review and communications between engineering and sewer collections departments. Specifically, review of the City’s approved SSMP, capital projects, sewer mapping, rehabilitation activities, cleaning schedules, and other relevant technical field activities should be planned, scheduled and coordinated in harmony between both departments to maximize SSO reductions and ensure compliance with Provision D.8 of the Sanitary Sewer Order. At a minimum, the City should establish a formal review and approval process, preferably through its governing board, for ensuring that all necessary and relevant activities between these departments are well defined and appropriately documented on a regular basis.

Attachment A – Summary of the City’s reported Sanitary Sewer Overflows (SSOs) in CIWQS

Spill Public Report – Summary Page

Here is the summary page with the results of your spill public report search. These results correspond to the following search criteria:

SEARCH CRITERIA:

- Agency (**placerville**)
- Spill Type (**sso_cat1_2**)

Please see the [glossary of terms](#) for explanations of the search results column headings. [More information about the report is found at the bottom of this page.](#)

Note: For the "Collection System Performance Report" column, the Performance report will only show the most recent 12 months of data if in the original SSO Interactive Report search the date range was not specified.

Region	Responsible Agency	Collection System	Total Number of SSO locations	Total Vol of SSOs(qal)	Total Vol Recover (gal)	Total Vol Reach Surface Water	Percent Recover	Percent Reach Surface Water	Miles Pressure Sewer	Miles Gravity Sewer	Miles of Laterals	WDID	Collection System Performance Report Operational Performance
5S	Placerville City	Hangtown Creek CS	35	10,121	3,393	6,608	33	65	1.0	53.0	20.0	5SSO10965	
			35	10,121	3,393	6,608			1.0	53.0	20.0		

Each individual SSO report contains the data related to one specific location where sewage discharged from the sanitary sewer system due to a failure (e.g., sewer pipe blockage or pump failure). A single failure within a sanitary sewer system can result in multiple sewage discharge locations and, thus, multiple SSO reports. For example, a lift station power failure can result in sewage being discharged from numerous manholes. In this example, a SSO report would be submitted for each manhole that discharged sewage with all reports sharing the same failure or cause data.

It is important to review SSO reports in detail to determine if individual sewage discharge locations share a common underlying failure or cause when assessing the performance of Enrollees and their sanitary sewer systems through SSO events. This is because it is the failures that are the ultimate problem which the Enrollees should be making all reasonable efforts to prevent.

The search results below present summary data for all sewage discharge locations, as submitted through individual SSO reports, which meet the search criteria selected. To determine if SSO reports relate to a common failure within the sanitary sewer system, the SSO reports should be reviewed in detail by selecting the specific "agency" or "collection sys" name from the table below.

The "agency", or Enrollee, listed on a SSO report is responsible for the sewage discharge described and should be contacted directly for questions related to that incident.

The current report was generated with data as of: Monday, November 05, 2012

Attachment B – Summary of Individual SSO reports certified by the City in CIWQS

SSO Public Report - Detail Page

Here is the detail page of your SSO public report search for the selected region, responsible agency, or collection system. These results correspond to the following search criteria:

SEARCH CRITERIA: [\[REFINE SEARCH\]](#)

- Agency (**placerville**)
- Spill Type (**sso_cat1_2**)

The table below presents important details for all sewage discharge locations, as submitted through individual SSO reports, which meet the search criteria selected. If data is not shown for a particular field, it means the Enrollee did not provide the information and was not required to do so. To view the entire SSO report for a specific sewage discharge location, please select the corresponding EVENT ID.

DRILLDOWN HISTORY:

REGION: **5S**

EVENT ID	Region	Responsible Agency	Collection System	SSO Category	Start Date	SSO Address	SSO City	SSO Vol	Vol of SSO Recovered	Vol of SSO Reached Surface Water	SSO Failure Point	WDID
710754	5S	Placerville City	Hangtown Creek CS	Category 1	2008-01-07 08:00:00.0	1142 One Way Marshall Street	Placerville	75	0	75	Main	5SSO10965
714066	5S	Placerville City	Hangtown Creek CS	Category 2	2008-02-21 15:16:00.0	630 Main Street	Placerville	2	2	0	Lower Lateral	5SSO10965
714078	5S	Placerville City	Hangtown Creek CS	Category 2	2008-02-18 15:29:00.0	2868 Hocking Street	Placerville	50	50	0		5SSO10965
714584	5S	Placerville City	Hangtown Creek CS	Category 1	2008-03-06 08:30:00.0	909 Union Street	Placerville	125	0	125	Main	5SSO10965
727785	5S	Placerville City	Hangtown Creek CS	Category 1	2008-10-07 21:25:00.0	1040 Marshall Way	Placerville	2,000	1,800	200		5SSO10965
730644	5S	Placerville City	Hangtown Creek CS	Category 1	2008-11-25 07:25:00.0	1059 Rowland Street	Placerville	30	0	30		5SSO10965
730663	5S	Placerville City	Hangtown Creek CS	Category 1	2008-11-19 06:33:00.0	696 Canal Street	Placerville	1,700	0	1,700		5SSO10965
744947	5S	Placerville City	Hangtown Creek CS	Category 1	2009-09-20 13:25:00.0	Marshall Way	Placerville	1,000	0	1,000	Main	5SSO10965
744968	5S	Placerville City	Hangtown Creek CS	Category 1	2009-09-22 07:20:00.0	Conrad Street	Placerville	110	30	80	Main	5SSO10965
745347	5S	Placerville City	Hangtown Creek CS	Category 1	2009-09-30 12:20:00.0	715 Main Street	Placerville	100	0	100		5SSO10965
745723	5S	Placerville City	Hangtown Creek CS	Category 1	2009-10-17 18:00:00.0	1119 Locust Street	Placerville	100	0	100	Main	5SSO10965
747243	5S	Placerville City	Hangtown Creek CS	Category 1	2009-11-30 10:00:00.0	3062 Cedar Ravine Road	Placerville	175	0	175	Main	5SSO10965
747244	5S	Placerville City	Hangtown Creek CS	Category 1	2009-11-30 10:30:00.0	Locust Street	Placerville	15	0	15	Main	5SSO10965
748438	5S	Placerville City	Hangtown Creek CS	Category 1	2010-01-17 14:45:00.0	693 Main Street	Placerville	2,083	0	2,083	Main	5SSO10965
751629	5S	Placerville City	Hangtown Creek CS	Category 2	2010-04-02 10:45:00.0	2944 Weswin Court	Placerville	600	600	0	Main	5SSO10965
751631	5S	Placerville City	Hangtown Creek CS	Category 2	2010-04-02 15:25:00.0	549 Main Street	Placerville	100	100	0		5SSO10965
756489	5S	Placerville City	Hangtown Creek CS	Category 2	2010-08-05 11:30:00.0	1769 Country Club Drive	Placerville	50	50	0	Main	5SSO10965
756492	5S	Placerville City	Hangtown Creek CS	Category 2	2010-08-12 07:00:00.0	805 Blue Bell Court	Placerville	5	0	0		5SSO10965
756496	5S	Placerville City	Hangtown Creek CS	Category 2	2010-07-04 09:18:00.0	Fiske Street	Placerville	25	25	0		5SSO10965
756846	5S	Placerville City	Hangtown Creek CS	Category 2	2010-09-06 13:00:00.0	Bluebell Court	Placerville	150	0	0	Main	5SSO10965
756847	5S	Placerville City	Hangtown Creek CS	Category 2	2010-08-30 13:30:00.0	2766 Tunnel Street	Placerville	15	0	0	Main	5SSO10965
757332	5S	Placerville City	Hangtown Creek CS	Category 2	2010-09-16 07:45:00.0	2835 Morrene Drive	Placerville	5	5	0	Lower Lateral	5SSO10965
757336	5S	Placerville City	Hangtown Creek CS	Category 2	2010-09-26 17:15:00.0	2949 Coloma Street	Placerville	2	2	0	Main	5SSO10965
759031	5S	Placerville City	Hangtown Creek CS	Category 2	2010-11-16 16:00:00.0	Gerte Avenue	Placerville	2	2	0	Main	5SSO10965
759032	5S	Placerville City	Hangtown Creek CS	Category 2	2010-11-08 16:00:00.0	578 Canal Street	Placerville	10	10	0	Main	5SSO10965
759278	5S	Placerville City	Hangtown Creek CS	Category 1	2010-09-23 15:15:00.0	3076 Cedar Ravine	Placerville	450	175	275	Main	5SSO10965
759855	5S	Placerville	Hangtown	Category	2010-12-06	2579 Morrene	Placerville	12	12	0	Main	5SSO10965

759872	5S	Placerville City	Creek CS	Category 2	11:00:00.0	Drive							
		Placerville City	Hangtown Creek CS	Category 1	2009-05-06 12:30:00.0	909 Union Street	Placerville	250	50	250	Main	5SSO10965	
761384	5S	Placerville City	Hangtown Creek CS	Category 1	2011-01-16 10:30:00.0	1040 Marshall Way	Placerville	300	0	300	Main	5SSO10965	
761387	5S	Placerville City	Hangtown Creek CS	Category 2	2011-01-17 12:00:00.0	2483 Pleasant Street	Placerville	200	200	0	Main	5SSO10965	
767321	5S	Placerville City	Hangtown Creek CS	Category 2	2011-05-17 09:00:00.0	882 Holly Way	Placerville	50	50	0	Main	5SSO10965	
776861	5S	Placerville City	Hangtown Creek CS	Category 1	2012-01-25 09:40:00.0	1307 Broadway	Placerville	50	10	40	Main	5SSO10965	
778037	5S	Placerville City	Hangtown Creek CS	Category 1	2012-01-12 09:00:00.0	2830 Hocking Street	Placerville	120	60	60	Main	5SSO10965	
778042	5S	Placerville City	Hangtown Creek CS	Category 2	2011-12-03 10:45:00.0	Benham Court	Placerville	150	150	0	Main	5SSO10965	
778631	5S	Placerville City	Hangtown Creek CS	Category 2	2012-03-07 15:45:00.0	2895 Acacia Way	Placerville	10	10	0	Main	5SSO10965	

The current report was generated with data as of: Monday, November 05, 2012

Attachment C – City’s Sewer Collection System Operational Performance Report



California Integrated Water Quality System Project (CIWQS)

COLLECTION SYSTEM OPERATIONAL REPORT

Please see the [Glossary of Terms](#) for explanations of the search results column headings. [More information about the report is found at the bottom of this page.](#)

[\[VIEW PRINTER FRIENDLY VERSION\]](#)

SEARCH CRITERIA: [\[REFINE SEARCH\]](#) [\[NEW SEARCH\]](#) [\[GLOSSARY\]](#)

Agency (**placerville**)

Date Range: Start_Date (**01/01/2007**) End_Date (**11/13/2012**)

DRILLDOWN HISTORY: [\[GO BACK TO LISTING OF COLLECTION SYSTEMS\]](#)

Hangtown Creek CS

Agency: Placerville City

General Information [-] [+]

Region	Place ID	Place Name	CS Category	Place Address	Place County
5S	630751	Hangtown Creek CS	Municipal	3101 Center Placerville, CA, 95667	El Dorado

Collection System Spill Summary [-]

Operational Indices: Hangtown Creek CS

Spill Rate Index (#spills/100mi/yr)						
	Category 1			Category 2		
	Mainlines	Laterals	Not Specified	Mainlines	Laterals	Not Specified
Hangtown Creek CS	4.1	N/A	1.26	3.78	N/A	1.26
State - Municipal - Average	1.47	N/A	1.63	3.01	N/A	2.54
Region - Municipal - Average	1.48	N/A	0.9	3.88	N/A	2.15

Net Volume Spills Index (Net Vol in gallons/1000 Capita/yr)						
	Category 1			Category 2		
	Mainlines	Laterals	Not Specified	Mainlines	Laterals	Not Specified
Hangtown Creek CS	81.87	N/A	36.7	2.98	N/A	0.09
State - Municipal - Average	555.24	N/A	1582.27	13.2	N/A	9.07
Region - Municipal - Average	272.51	N/A	2336.88	48.03	N/A	7.19

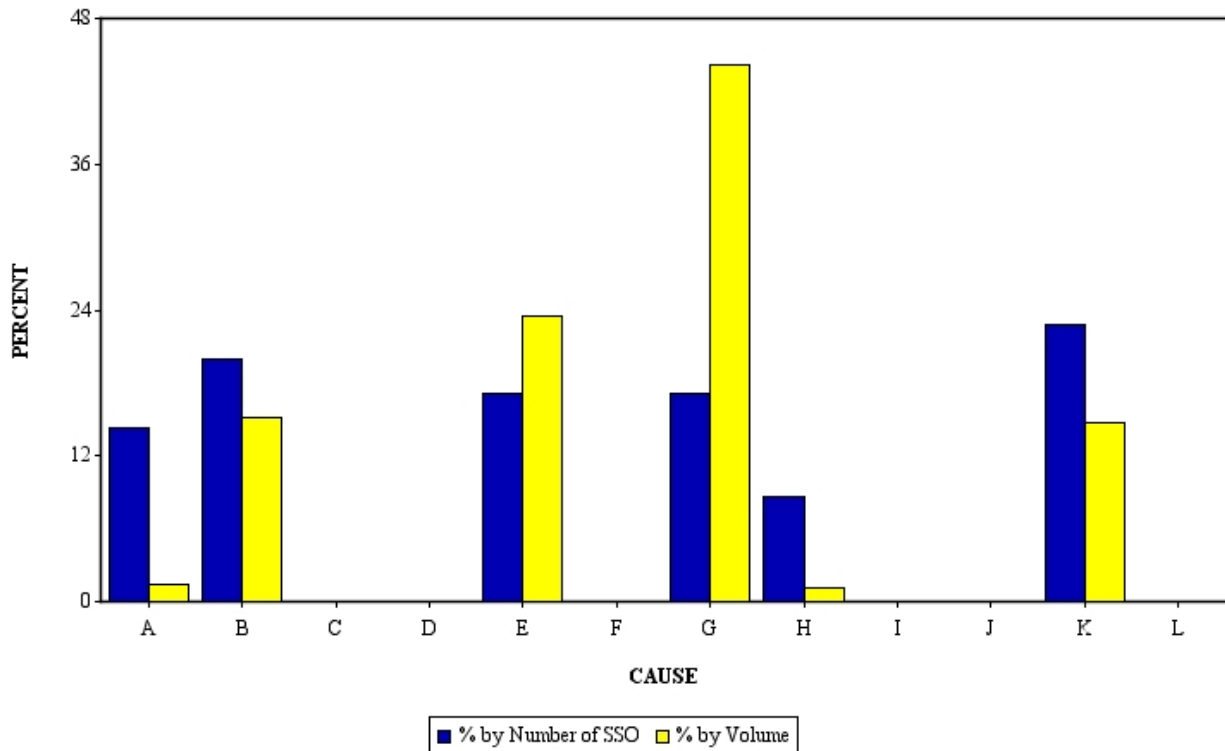
Note: Click on hyperlinks to get comparison charts for CS, Region, and State grouped by 'Miles Of Pipe'.

- (1) The number of Category 1 and 2 SSOs resulting from a failure in the Enrollee sewer system per 100 miles sewer system owned by the Enrollee per year.
- (2) Net Volume (volume spilled minus volume recovered) of SSOs, for which the reporting Enrollee is responsible, per capita (i.e. the population served by your agency's sanitary sewer system), per year.
- (3) Value calculated using miles of force mains and other pressure systems and miles of gravity sewers the agency is responsible for.
- (4) Value calculated using miles of laterals the agency is responsible for (Lower Only, Upper/Lower). For collection systems with no lateral responsibility a N/A is shown.
- (5) Value Calculated using total miles of collection system pipe the agency is responsible for.
- (6) Comparison made between similar collection systems type (e.g. municipal) and lateral responsibility for the entire state over the selected time period. Comparison indices are calculated for all similar collection systems and averaged for comparison.
- (7) Comparison made between similar collection systems type (e.g. Municipal) and lateral responsibility for collection systems in same region (e.g. Region 5S). Collection system indices are calculated for all similar collection systems and averaged for comparison. For airport, hospital, marinas, military, park, port, prison, school, and other collection systems facilities, only state comparison is shown.
- (8) For Criteria used and term definitions refer to the SSO Glossary of Terms.



Percentage of total Number and Volume of SSOs by Spill Cause

Collection System: [Hangtown Creek CS](#)

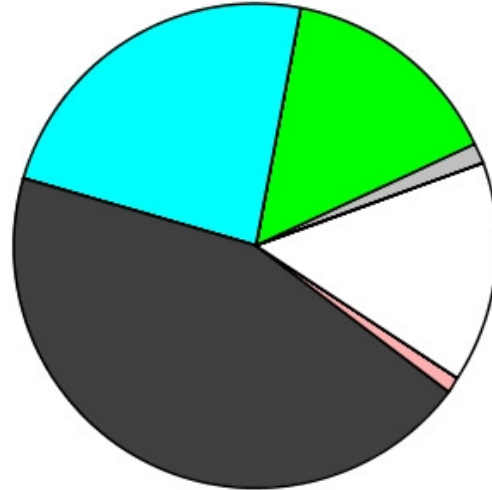


A=Debris-General,B=Debris-Rags,C=Debris,D=Flow exceeded capacity,E=Grease deposition(FOG),F=Operator error,G=Other,H=Pipe structural problem/failure,I=Pump station failure,J=Rainfall exceeded design,K=Root intrusion,L=Vandalism

Percentage of total Volume of SSOs by Spill Cause



Hangtown Creek CS



1% A 15% B 0% C 0% D 23% E 0% F 44% G 1% H 0% I 0% J 14% K 0% L

A=Debris-General,B=Debri-Rags,C=Debris,D=Flow exceeded capacity,E=Grease deposition(FOG),F=Operator error,G=Other,H=Pipe structural problem/failure,I=Pump station failure,J=Rainfall exceeded design,K=Root intrusion,L=Vandalism



Region 5S

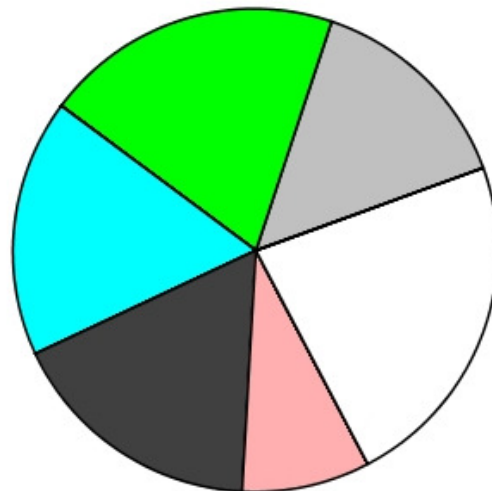


State of California

Percentage of total Number of SSOs by Spill Cause



Hangtown Creek CS



14% A 20% B 0% C 0% D 17% E 0% F 17% G 8% H 0% I 0% J 22% K 0% L

A=Debris-General,B=Debri-Rags,C=Debris,D=Flow exceeded capacity,E=Grease deposition(FOG),F=Operator error,G=Other,H=Pipe structural problem/failure,I=Pump station failure,J=Rainfall exceeded design,K=Root intrusion,L=Vandalism



Region 5S



Collection System Questionnaire Data(*)

Collection System Information: Hangtown Creek CS

Status	Active
Last Updated On	2012-04-05 15:54:10.0
Population Served	9,420
Miles of Force Main	1
Miles of Gravity Sewer	53
Miles of Laterals	40
Portion of Laterals Responsible	none
Miles of Laterals Responsible	
Number of Service Lateral Connection	3241
Sewer Constructed 2000 Current	10
Sewer Constructed 1980 1999	15
Sewer Constructed 1960 1979	40
Sewer Constructed 1940 1959	25
Sewer Constructed 1920 1939	5
Sewer Constructed 1900 1919	5
Sewer Constructed Before 1900	0
Inaccessible Sewer (Miles)	5
Sewer Clean Production (Miles/Yr)	20
Gravity Sewer Inspection (Miles/Yr)	0

(*) The information presented above was provided by the Enrollee in the Collection System Questionnaire. Enrollees are required to update the questionnaire information at least once a year; therefore, the information presented above may not be the most current.



Sewer System Management Plan (SSMP) Completion (*)

SSMP Information: Hangtown Creek CS

Task and Associated Section	Completed
Development Plan and Schedule	Yes
Section I - Goal	Yes
Section II - Organization	Yes
Section III - Legal Authority	Yes
Section IV - Operation & Maintenance Program	Yes
Section V - Design & Performance Provisions	Yes
Section VI - Overflow Emergency Response Plan	Yes
Section VII - FOG Control Program	Yes
Section VIII - System Evaluation & Capacity Assurance Plan	Yes
Section IX - Monitoring, Measurement, and Program Modifications	Yes
Section X - SSMP Program Audits	Yes
Section XI - Communication Program	Yes
Complete SSMP Implementation	Yes

(*) Under the Statewide General WDRs for Sanitary Sewer Systems, WQO No. 2006-0003, enrollees are required to develop and implement a written Sewer system Management Plan (SSMP) and must make it publicly available. The SSMP must be approved by the deadlines in the SSMP Time Schedule presented in the Sanitary Sewer Systems WDR.

Additional Information:

- Data used for the Operational report is reported by the enrollees through the CIWQS (California Integrated Water Quality System) SSO module.

- Indices are calculated for the date range specified (default is past 4 months) and using data available since reporting was required for all enrollees as specified in the Sanitary Sewer Systems WDR. Reporting was required to begin for Regions 4,8,9 on 1/2/2007, Regions 1,2,3 on 5/2/2007, and, Regions 5,6,7 on 9/2/2007.
- Comparisons are made between similar collection systems type (e.g. Municipal), and lateral responsibility for the entire state and region. Indices are calculated for all similar collection systems and averaged for comparison.
- Category 1 spills are required to be fully certified 15 calendar days after SSO response conclusion and Category 2 spills are required to be fully certified 30 Calendar days after end of calendar month which SSO occurred. Therefore, spill records for the past approximately 60 days may be incomplete.
- Average Number of Spills per 100 miles: Measures the number of sewer overflows per 100 miles of sewer lines. Notice that these indices are strongly influenced by the length of collection system owned by the enrollee.
 - For instance, an enrollee that owns and operates a collection system of one (1) mile in length having only one (1) spill (analyzing data for ONE year) will have a Operational indice of 100.0 spills/100mi/yr. On the other hand, an enrollee that owns and operates a collection system of one hundred (100) miles in length having only one (1) spill (analyzing data for ONE year) will have a Operational indice of 1.0 spills/100mi/yr.
- Average Net Volume (volume spilled minus volume recovered) of Spills per Capita: Measures the volume in gallons of SSOs, for which the reporting Enrollee is responsible, per capita (the population served by your agency's sanitary sewer system). Where the volume recovered is greater than the volume spilled, the net volume will be considered to be zero.
- The "agency" or Enrollee listed on a SSO report is responsible for the data presented in this report and should be contacted directly for questions related to their Data.
- More information on the Sanitary Sewer Overflow Reduction program is available at: http://www.waterboards.ca.gov/water_issues/programs/sso/index.shtml
- The Sanitary Sewer Overflows Incident Map is available at: http://www.waterboards.ca.gov/water_issues/programs/sso/sso_map/sso_pub.shtml
- The Interactive SSO report: https://ciwqs.waterboards.ca.gov/ciwqs/readOnly/PublicReportSSOServlet?reportAction=criteria&reportId=sso_main

The current report was generated with data as of: Monday, November 12, 2012
Regional Boards are in the process of entering backlogged data.
As a result, data may be incomplete.

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Attachment D – City’s Sewer Collection System Questionnaire



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Navigate to:

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SSO - Questionnaire [?](#) [SSO Menu](#)

Regional Water Board: 5S
Agency: Placerville City
Sanitary Sewer System: Hangtown Creek CS
WDID: 5SSO10965

Collection System Questionnaire

Note: All questions are required to be answered. Enter NA for questions that do not apply. Do not enter '/' for fraction, use decimal instead.

Last updated: 2012-04-05 **First updated:** 2007-08-24

Collection System Questionnaire [?](#)

1) Sanitary Sewer System Category:

2) What is the population served by your agency's sanitary sewer system?

3) What is your current annual operation and maintenance budget for sanitary sewer system facilities?

4) What is your current annual capital expenditure budget for sanitary sewer system facilities?

Please identify the total number of employees (technical and mechanical) for your agency's sanitary sewer system (including pump station operations) working within the different classifications listed below.

5) Entry Level (Less than 2 years experience)
Number of agency employees?

6) Journey Level (Greater than or equal 2 years experience)
Number of agency employees?

7) Supervisory Level
Number of agency employees?

8) Managerial Level
Number of agency employees?

Please identify the total number of employees who hold CWEA Certification for Collection System Maintenance and/or Plant Maintenance-Includes Mechanical Technologist and Electrical/Instrumentation for your agency's sanitary sewer system (including pump station operations) for the various Certificates and Grades levels listed below.

9) Grade I
Number of certified (Grade I Collection System Maintenance) agency employees:
Number of certified (Grade I Plant Maintenance Technologist) agency employees?

10) Grade II
Number of certified (Grade II Collection System Maintenance) agency employees:
Number of certified (Grade II Electrical/Instrumentation Technologist) agency employees:
Number of certified (Grade II Mechanical Technologist) agency employees:

11) Grade III
Number of certified (Grade III Collection System Maintenance) agency employees:
Number of certified (Grade III Electrical/Instrumentation Technologist) agency employees:
Number of certified (Grade III Mechanical Technologist) agency employees:

12) Grade IV
Number of certified (Grade IV Collection System Maintenance) agency employees:
Number of certified (Grade IV Electrical/Instrumentation Technologist) agency employees:
Number of certified (Grade IV Mechanical Technologist) agency employees:

13) How many miles of forced mains and other pressure systems?

14) How many miles of gravity sewers?

15) Estimated total miles of laterals (upper and lower)?

16) Which portion of laterals is your agency responsible for?

(If the answer of question-15 is None, no need to answer for question-16)

17) Estimated total miles of laterals your agency is responsible for?

18) Number of service lateral connections?

19) Approximately, what percentage of your sanitary sewer system was constructed between the years of:
(note: total must sum to 100%)

%, 2000 - Present

%, 1980 - 1999

%, 1960 - 1979

%, 1940 - 1959

%, 1920 - 1939

%, 1900 - 1919

%, Before 1900

20) Estimated total miles of your sanitary sewer system not accessible by vehicle?

21) What is your total gravity sewer system cleaning production in miles/year?

22) What is your total gravity sewer system condition inspection (e.g., CCTV) production in miles/year?

Save

Note: All questions are required to be answered.

[Export Questionnaire History To Excel](#)

Attachment E – Screen print of City’s Sewer System Management Plan Certification screen in CIWQS



[Menu](#) | [Help](#) | [Log out](#)

Navigate to:

You are logged-in as: jfischer . If this account does not belong to you, please log out.

SSO - Sewer System Management Plan (SSMP) [?](#)

[SSO Menu](#)

Regional Water Board: 5S
 Agency: Placerville City
 Sanitary Sewer System: Hangtown Creek CS
 WDID: 5SSO10965

Last Updated:

SSMP Element	Certification Date
Development Plan and Schedule	<input type="text" value="01/22/2008"/> (Date Format: MM/DD/YYYY)
Section I - Goal	<input type="text" value="01/13/2009"/> (Date Format: MM/DD/YYYY)
Section II - Organization	<input type="text" value="01/13/2009"/> (Date Format: MM/DD/YYYY)
Section III - Legal Authority	<input type="text" value="10/26/2009"/> (Date Format: MM/DD/YYYY)
Section IV - Operation & Maintenance Program	<input type="text" value="11/02/2009"/> (Date Format: MM/DD/YYYY)
Section V - Design & Performance Provisions	<input type="text" value="10/26/2009"/> (Date Format: MM/DD/YYYY)
Section VI - Overflow Emergency Response Plan	<input type="text" value="10/26/2009"/> (Date Format: MM/DD/YYYY)
Section VII - FOG Control Program	<input type="text" value="12/29/2011"/> (Date Format: MM/DD/YYYY)
Section VIII - System Evaluation & Capacity Assurance Plan	<input type="text" value="12/29/2011"/> (Date Format: MM/DD/YYYY)
Section IX - Monitoring, Measurement, and Program Modifications	<input type="text" value="12/29/2011"/> (Date Format: MM/DD/YYYY)
Section X - SSMP Program Audits	<input type="text" value="12/29/2011"/> (Date Format: MM/DD/YYYY)
Section XI - Communication Program	<input type="text" value="12/29/2011"/> (Date Format: MM/DD/YYYY)
Complete SSMP Implementation	<input type="text" value="06/12/2012"/> (Date Format: MM/DD/YYYY)

Note: 'Complete SSMP Implementation' is only available for input only if all its above sections filled.

Note: The Certification Note and Certified By fields disappear after certifying your SSMP. Previous entries can be seen on the Historic SSMP information screen.

Certification Note:

5-Year Update (Date Format: MM/DD/YYYY)

[Historic](#)

Attachment F – Violations for failure to provide required SSO certification on time

WDID	SPILL_TYPE	SPILL_ID	CERTIFIED_DATE	SPILL_START_DATE
5SSO10965	Category 1	710,754	12-23-2010 00:00	01-07-2008 08:00
5SSO10965	Category 1	714,584	12-27-2010 00:00	03-06-2008 08:30
5SSO10965	Category 1	727,785	05-24-2010 00:00	10-07-2008 21:25
5SSO10965	Category 1	730,644	05-24-2010 00:00	11-25-2008 07:25
5SSO10965	Category 1	730,663	05-24-2010 00:00	11-19-2008 06:33
5SSO10965	Category 1	744,947	12-08-2010 00:00	09-20-2009 13:25
5SSO10965	Category 1	744,968	02-27-2012 00:00	09-22-2009 07:20
5SSO10965	Category 1	745,347	05-24-2010 00:00	09-30-2009 12:20
5SSO10965	Category 1	745,723	03-28-2011 00:00	10-17-2009 18:00
5SSO10965	Category 1	747,243	03-28-2011 00:00	11-30-2009 10:00
5SSO10965	Category 1	747,244	03-28-2011 00:00	11-30-2009 10:30
5SSO10965	Category 1	748,438	10-06-2010 00:00	01-17-2010 14:45
5SSO10965	Category 1	759,278	02-27-2012 00:00	09-23-2010 15:15
5SSO10965	Category 1	759,872	12-27-2010 00:00	05-06-2009 12:30
5SSO10965	Category 1	761,384	02-27-2012 00:00	01-16-2011 10:30
5SSO10965	Category 1	778,037	02-27-2012 00:00	01-12-2012 09:00

SPILL_REPONSE_COMPLETE_DATE

01-07-2008 09:00
03-06-2008 09:10
10-08-2008 09:00
11-25-2008 07:50
11-19-2008 12:00
09-20-2009 14:50
09-22-2009 09:00
09-30-2009 13:20
10-17-2009 19:30
11-30-2009 11:00
11-30-2009 14:30
01-19-2010 12:00
09-23-2010 15:45
05-06-2009 13:15
01-19-2011 12:30
01-13-2012 12:00

Attachment G – Violations for failure to provide required SSO notification on time

WDID	SPILL_TYPE	SPILL_ID	AGENCY_NOTIFY_DT	OES_CALLED_DT	RB_CALLED_DATETIME
5SSO10965	Category 1	710,754	01-07-2008 08:00	01-07-2008 10:20	01-07-2008 10:00
5SSO10965	Category 1	714,584	03-06-2008 08:30	03-06-2008 12:19	03-06-2008 12:30
5SSO10965	Category 1	727,785	10-07-2008 21:25	10-08-2008 12:30	10-08-2008 00:45
5SSO10965	Category 1	744,947	09-20-2009 13:30	09-20-2009 20:09	09-20-2009 20:15
5SSO10965	Category 1	744,968	09-22-2009 07:20	09-23-2009 09:10	09-23-2009 09:15
5SSO10965	Category 1	745,723	10-17-2009 18:00	10-17-2009 22:00	10-17-2009 22:18
5SSO10965	Category 1	747,243	11-30-2009 10:00	11-30-2009 14:00	11-30-2009 14:18
5SSO10965	Category 1	747,244	11-30-2009 10:30	11-30-2009 14:00	11-30-2009 14:18
5SSO10965	Category 1	748,438	01-17-2010 14:45	01-17-2010 21:26	01-17-2010 21:39
5SSO10965	Category 1	761,384	01-16-2011 11:19	01-16-2011 13:40	01-16-2011 11:45
5SSO10965	Category 1	776,861	01-25-2012 09:45	01-25-2012 14:50	01-25-2012 15:00
5SSO10965	Category 1	778,037	01-12-2012 09:05	01-12-2012 14:25	01-12-2012 14:35

CNTY_HLTH_AGCY_NTFED_DT

01-07-2008 10:00
03-06-2008 12:27
10-08-2008 00:46
09-20-2009 20:10
09-23-2009 09:25
10-17-2009 22:20
11-30-2009 14:11
11-30-2009 14:11
01-17-2010 21:45
01-16-2011 11:43
01-25-2012 15:10
01-12-2012 14:25