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State Water Resources Control Board



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Edmund G. Brown Jr.
Governor

June 20, 2011

Certified Mail No. 7004-1160-0002-0465-7539

Mr. Rick Walls, P.E.
Director of Public Works / Legally Responsible Official
City of Oroville
1735 Montgomery Street
Oroville, California 95965

Dear Mr. Walls:

FINAL AUDIT REPORT AND REQUEST FOR INFORMATION

NOTE: THE LETTER AND REPORT PREVIOUSLY DATED JUNE 14, 2011 CONTAINED AN OLD VERSION OF THE AUDIT REPORT. THIS IS BEING RESENT WITH THE CURRENT VERSION OF THE REPORT. PLEASE DISREGARD THE LETTER AND REPORT DATED JUNE 14, 2011.

The State Water Resources Control Board's (State Water Board's) Office of Enforcement and Regional Water Quality Control Boards (Regional Water Boards) are conducting audits of sewer collection systems to evaluate compliance with "Waste Discharge Requirements for Sanitary Sewer Systems," Water Quality Order No. 2006-0003-DWQ¹ (hereafter, SSSWDRs), and the Amended Monitoring and Reporting Program (hereafter, Amended MRP).²

The audit includes an onsite inspection and subsequent technical review of pertinent collection sewer system information, including review of the sewer system management plan (SSMP), maintenance, operations, management, sewer use ordinances, financial information, and other areas to evaluate the City of Oroville's (City's) compliance with all requirements of the SSSWDR, including efforts to eliminate, reduce and/or mitigate SSOs. The audit is the primary tool used by staff to support enforcement decisions.

To complete our audit process, your responses to each of the "Violations" and "Areas of Concerns" identified in section 1.0 of the Audit Report (enclosed) is requested. In addition, I have enclosed a request for a "Sanitary Sewer Overflow (SSO) Technical Report", which outlines many of our remaining questions and the information we still need to complete our investigation of the City's SSO event that occurred on December 29, 2009.

¹ http://www.waterboards.ca.gov/board_decisions/adopted_orders/water_quality/2006/wqo/wqo2006_0003.pdf

² http://www.waterboards.ca.gov/board_decisions/adopted_orders/water_quality/2008/wqo/wqo2008_0002_exec.pdf

Please provide the above information by **July 29, 2011**.

If you have any questions, please contact me at (916) 341-5891, or via email at <mbradley@waterboards.ca.gov>, or Jim Fischer at (916) 341-5548, or via email at <jfischer@waterboards.ca.gov>.

Sincerely,


Mark Bradley, Chief
Special Investigations Unit

Enclosures: Final Audit Report
Sanitary Sewer Overflow (SSO) Technical Report

CC: Jim Fischer
Office of Enforcement

Greg Cash
Central Valley Regional Water Board, Redding Office

Katie Bowman
Central Valley Regional Water Board, Redding Office

City Clerk
City of Oroville
1735 Montgomery Street
Oroville, CA 95965

STATE WATER RESOURCES CONTROL BOARD
Office of Enforcement, Special Investigations Unit
1001 I Street, 16th Floor, Sacramento, CA 95814



Evaluation of the City of Oroville's Compliance with the
Sanitary Sewer System Waste Discharge Requirements (SSSWDRs)
Water Quality Order No. 2006-0003-DWQ

Waste Discharge ID #5SSO10838
Oroville, CA



Audit Commencement: 6/14/2010
Preliminary Draft: 12/14/2010
Final Audit Report: 6/10/2011

Prepared by: Jim Fischer, P.E., Investigator
Special Investigations Unit

Reviewed by: Mark Bradley, Chief
Special Investigations Unit

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- Attachment A City of Oroville Notice of Intent for coverage under Order No. 2006-0003-DWQ
- Attachment B City of Oroville Sanitary Sewer Overflows (SSO) (9/2/2007 to 12/31/2010)
- Attachment C City of Oroville “No Spill Certifications” and Sewer System Management Plan (SSMP) Certification
- Attachment D City of Oroville Collection System Questionnaire
- Attachment E City of Oroville Sewer Budget
- Attachment F City of Oroville Compliance Email Reminders
- Attachment G City of Oroville Request for SSO Technical Report

PREFACE

The State Water Resources Control Board (State Water Board), Office of Enforcement and Regional Water Quality Control Boards (Regional Water Boards) are conducting audits of sewer collection systems to evaluate compliance with “Waste Discharge Requirements for Sanitary Sewer Systems,” Water Quality Order No. 2006-0003-DWQ¹, (hereafter, SSSWDRs) and the Amended Monitoring and Reporting Program (hereafter, Amended MRP)².

The audit includes an onsite inspection and subsequent technical review of pertinent collection sewer system information, including review of the sewer system management plan (SSMP), maintenance, operations, management, sewer use ordinances, financial information, and other areas to evaluate the City’s compliance with all requirements of the SSSWDR, including efforts to eliminate, reduce and/or mitigate sanitary sewer overflows (SSOs). The audit is the primary tool used by staff to support enforcement decisions.

This Audit Report has been written in compliance with the Water Quality Enforcement Policy adopted by the State Water Board (effective May 2010).

¹ http://www.waterboards.ca.gov/board_decisions/adopted_orders/water_quality/2006/wqo/wqo2006_0003.pdf

² http://www.waterboards.ca.gov/board_decisions/adopted_orders/water_quality/2008/wqo/wqo2008_0002_exec.pdf

1.0 FINDINGS

The following findings are inclusive of the onsite inspection and post-inspection review process, which includes evaluation of the City of Oroville's (City's) compliance with the SSSWDRs, including the sanitary sewer management plan (SSMP) and Amended Monitoring and Reporting (Amended MRP) provisions.

VIOLATIONS		
FINDING	CITATION(S)	COMMENTS
SSO DISCHARGES		
<i>Based on review of CIWQS³ data, the City certified 4 separate Sanitary Sewer Overflows (SSOs) between 9/2/07 and 04/01/11 that reached surface waters, in violation of Provision C.1.</i>	SSSWDRs, C.1	To verify compliance with the reporting requirements SSOs in the Amended MRP, the City must provide a separate written verification that all SSOs discharged from the City's collection system between 9/2/07 to 04/01/11 have been accurately reported and certified in CIWQS. In addition, to verify compliance with the SSSWDRs, Prohibition C.2, the City must indicate which SSOs (if any) created a nuisance as defined by CWC 13050(m).
SSO REPORTING		
<i>The City failed to complete monthly reporting for June 2008.</i>	SSSWDRs, Amended MRP, section A.7.	The City must either perform a "No Spill Certification" or certify an SSO for calendar month June 2008. (See Attachment C.) The City must also explain why this monthly reporting provision was violated.
<i>The City failed to correctly certify data for one SSO (CIWQS Event ID #749724).</i>	SSSWDRs, Amended MRP	The City must correct information for the reported volume estimates for the SSO with CIWQS Event ID #749724 (See Attachment F). The City must also explain why the reported SSO data was erroneously reported in CIWQS.
<i>The City failed to provide a total of 11 "No Spill Certifications" on time between 09/02/2007 and 04/01/2011.</i>	SSSWDRs, Amended MRP, A.7	The City must explain why each of the following "No Spill Certifications" were not completed within the time requirements dictated by the Amended MRP (within 30 days after the end of each calendar month): October 2007, November 2007, August 2008, September 2008, November 2008, December 2008, March 2009, April 2009, June 2009, March 2010, and November 2010.
<i>The City failed to meet the required 2 hour notification for three SSOs that reached surface waters.</i>	SSSWDRs, Amended MRP	The City must explain why notification timeframes were missed for the following SSOs: CIWQS Event ID 710392, 734473, and 749724.

³ California Integrated Water Quality System (CIWQS), hosted by the State Water Board (See www.waterboards.ca.gov/ciwqs)

VIOLATIONS (cont'd)

FINDING	RELEATED CITATION(S)	COMMENTS
SEWER SYSTEM MANAGEMENT PLAN (SSMP)		
<i>The City failed to certify its final SSMP on time (107 days late).</i>	SSSWDRs, section D.14	The City must explain why the final SSMP was not certified within the required time requirements (by August 2, 2009), dictated by the SSSWDRs, section D.14.
<i>The City is not adequately maintaining the riverview lift station.</i>	SSSWDRs, D.8, D.13(iv)	The inspection revealed a substantial amount of accumulated grease in the wet well of the lift station. Additional maintenance must be performed on this asset. The City must also explain what additional specific measures will be undertaken by the City to ensure adequate maintenance of this lift station.
<i>The City is not adequately maintaining the orangewood lift station.</i>	SSSWDRs, D.8, D.13(iv)	The inspection revealed a substantial amount of accumulated solids and grease in the wet well of the lift station. Additional maintenance must be performed on this asset. The City must also explain what additional specific measures will be undertaken by the City to ensure adequate maintenance of this lift station.

AREAS OF CONCERN

FINDING	CITATION(S)	COMMENTS
SSO REPORTING		
<i>SSO Event ID #748200, certified by the City on 01/07/2010, indicates 900 gallons of sewage was discharged into a building. This may be considerably less sewage than was actually discharged, based on additional information and statements obtained from the building tenants where the SSO occurred.</i>	SSSWDRs, AMENDED MRP	The City should provide the Office of Enforcement with a Technical Report to provide more information about this SSO event (see Attachment G).

AREAS OF CONCERN

FINDING	CITATION(S)	COMMENTS
SEWER SYSTEM MANAGEMENT PLAN (SSMP)		
<i>Based on the inspection and post-inspection review of the SSMP, the City's level of collection system maintenance staffing may be inadequate.</i>	SSSWDRs, section D.8, D.9	The City should provide an explanation to demonstrate how the City is complying with sections D.8 and D.9 of the SSSWDRs, which requires ensuring adequate resources for proper maintenance, operations and management of collection system.
<i>Based on the inspection and post-inspection review of the SSMP, the City's training program for collections maintenance workers and contractors may be inadequate.</i>	SSSWDRs, sections D.8, D.13(iv)(d)	The City should provide an explanation to demonstrate how it conducts training for collections staff and contractors to comply with sections D.8 and D.13(iv)(d) of the SSSWDRs.
<i>Based on the inspection and post-inspection review of the SSMP, the City's external public communication program may be inadequate.</i>	SSSWDRs, section D.13(xi)	The City should demonstrate how it is "communicating with the public on a regular basis" in compliance with section D.13(xi) of the SSSWDRs.
<i>The City's Fats, Oils and Grease (FOG) program may be inadequate.</i>	SSSWDRs, sections D.8, D.13(iv), D.13(vii)	Section 7 of the City of Oroville's SSMP indicates the City does not have a FOG source control program in place. The City should explain why a FOG source control program is not necessary. At a minimum, this justification should include a list of the cleaning events undertaken to address FOG and a history of inspections conducted of sources required to have grease interceptors installed.
<i>The City's could be more proactive with providing emergency notification signage at all sewage lift stations.</i>	SSSWDRs, sections D.8, D.13(vi)	Based on the inspection, it appears the City is not currently displaying emergency contact information at its sewage lift stations, which could delay the public's response in notifying the City in the event of an SSO. The City should add emergency phone contact information signage to each lift station.

2.0 BACKGROUND INFORMATION

The City owns and operates a sanitary sewer system called the "Oroville CS", which serves residents and businesses within the city limits of Oroville, California. The State Water Board issued the Oroville CS waste discharger identification (WDID) #5SSO10838.

The following information was taken from the City's SSMP, dated October 30, 2010:

The sanitary sewer crews maintain approximately 66 miles of sanitary sewer gravity mains with approximately 1,350 manholes and over 2,300 feet of force main. The City maintains seven sewer pump stations, and two flow meters for the collection system. The Sewerage Commission-Oroville Region (SC-OR) provides wastewater treatment and disposal for the Oroville Region through the operation of a treatment plant located on South 5th Avenue, south of downtown Oroville. Average dry weather wastewater flows conveyed through the City's collection system are 1.9 MGD and are expected to grow to approximately 8.2 MGD through build out of the collection system. The Engineering Division of Oroville's Community Development and Public Works Department is responsible for managing the maintenance of the City's system. The City has had a program of sewer upgrades and rehabilitation. Some of the recommended repairs and upgrades listed in the 1995 Master Plan have been completed. There are no plans to expand the collection system significantly at this time. Upgrades required due to capacity are typically driven by larger developments as the City requires significant developments to submit plans and may require them to provide detailed sewer capacity studies during the permitting process. These developments are typically required to upgrade the existing collection system downstream if additional capacity is required.

The City has reported periodic sanitary sewer overflows (SSOs) from the collection system. Some of these self-reported SSOs resulted in violations of the SSSWDRs, when untreated or partially sewage reached surface waters. (See Attachment B for more information.)

3.0 PRE-INSPECTION REVIEW

The following information was reviewed prior to conducting the inspection:

- Attachment A City of Oroville Notice of Intent for coverage under Order No. 2006-0003-DWQ
- Attachment B City of Oroville Certified Sanitary Sewer Overflows (SSO) (9/2/2007 to 6/10/2011)
- Attachment C City of Oroville "No Spill Certifications" and Sewer System Management Plan (SSMP) Certification
- Attachment D City of Oroville Collection System Questionnaire

4.0 INSPECTION NARRATIVE

The inspection team (Greg Cash, Katie Bowman and me, Jim Fischer) conducted an announced inspection at the request of the Central Valley Regional Water Quality Control Board (Redding office). The purpose of the inspection was to begin the audit process to determine the City's compliance with the requirements of the SSSWDRs to ensure proper operation, maintenance, and management of the sanitary sewer collection system.

Contact information for the inspection participants is listed in the table below.

City:	City of Oroville		
Facility Address:	1735 Montgomery Street, Oroville, California 95965		
WDR Orders:	2006-0003-DWQ (SSSWDRs) and 2008-0002-EXEC (amended MRP)		
Inspection Date:	June 14, 2010		
Attendee Name	Title	Organization	Phone Number
James Fischer	Investigator / Water Resource Control Engineer	State Water Resources Control Board, Office of Enforcement	(916) 341-5548
Greg Cash	Senior Engineering Geologist	Regional Water Quality Control Board 5, Redding Office	(530) 224-3208
Katie Bowman	Water Resource Control Engineer	Regional Water Quality Control Board 5, Redding Office	(530) 226-3458
Richard Walls	Legally Responsible Official	City of Oroville	(530) 538-2420

INSPECTION TIMELINE

An inspection timeline, showing an overview of the major inspection activities and tasks is listed in the table below.

TIME	INSPECTION ACTIVITY / TASK
0930-1220	Introductions Overview of collections system and lift station assets Discussions about the City's operations, maintenance, and capital improvement projects Identification of violations
1220-1320	Lunch
1320-1340	Morning Debriefing
1400-1430	Inspection of City's maintenance shop
1430-1500	Inspection of riverview lift station
1500-1535	Inspection of orangewood lift station
1535	End of inspection

4.1 Arrival and Inspection Commencement

TIME: 0930

The inspection team entered the Oroville Public Works building offices at 1735 Montgomery Street in Oroville, California at approximately 0930 on June 14, 2010 for the announced inspection. The weather was dry and mild. Historical weather data showed no precipitation in the Oroville area for the week preceding the inspection. We began the office portion of the inspection with brief introductions and then asked Richard Walls (Walls) a number of questions about the City's sewer system and operations, maintenance, and management activities.

We focused our questions and discussion on the City's responses to the Collection System Questionnaire, submitted to CIWQS (See Attachment D).

4.2 Operations, Maintenance and Management [evaluate compliance with SSSWDRs, sections D.8, D.9, D.13(iv), D.13(vi), D.13(vii)]

- **Resources:** We asked Walls to provide information about the City's level of resources needed and available for collection system operations and maintenance. Walls said that currently, the City's resources "are low," and he said that he only has two people handling collections operations and maintenance (O&M), one of which is a temporary employee. Walls also stated that "in reality, they really need four people" to do all the required O&M. Walls said that most of his staff's current efforts are consumed with "pre-programmed" work (cleaning sewer of sewer lines and pump/lift stations), and any extra time is used for doing closed-circuit television (CCTV) monitoring of sewer lines and responding to SSOs. Walls said that typically, the City gets two to three calls for SSOs per month.
- **Outside Agency Agreements:** We asked Walls if the City has established any type of agreement (formal or informal) with outside agencies or companies to help the City during sewer system emergencies such as SSOs. Walls said that the City has been very proactive in this area and the City regularly meets with other collection system operators around their geographical area. He said they have been doing this for about three years. He said that the purpose of these meetings is to assist the City with "keeping up on the latest" about sewer system technologies and also establishing lines of communication, so that the City can get help when it needs it. He also said that they are now working with these groups to formulate contingency planning agreements. Walls said the City recently entered into a Memorandum of Agreement (MOA) over a shared portion of sewer lines that it jointly maintains with another agency. The MOA is meant to help the City better evaluate its SSO risks. Walls said that the City has recently completed a "financing plan" study, developed to finance the upsizing of some sewer pipes. Walls also said that many of the sewer system planning activities have "forced them [the City] to know their sewer system better."
- **Major Equipment Inventory:** We asked Walls to describe the City's list of major equipment available for sewer system O&M, rehabilitation, and response to SSOs. Walls said City's current major equipment list includes five pieces of large equipment that are stored at the City's maintenance shop. Walls also offered to take us on a tour of the maintenance shop and we agreed it would be useful to visit and document as part of the inspection. Walls next talked about the City's newest addition to its inventory, a new CCTV truck they recently purchased that allows them to link their CCTV data with their Geographical Information System (GIS) for sewer mapping. Walls said another feature of the new CCTV truck is that it allows the City to map every single sewer service lateral in GIS for added accuracy.
- **Sewer Service Laterals :** We asked Walls to discuss the City's known issues with sewer service laterals. Walls said the City has put together a new program for allowing modifications to privately-owned sewer service laterals. He said the City of Oroville is considering charging homeowners \$1.50 per household per month as part of this program for lateral maintenance

which would generate a “replacement pool” which could then support homeowners making up to \$2,000 in repairs to sewer service laterals to “soften the hit” for replacement. He said that the City is also targeting to complete 60 lateral replacements per year, which will also help the City reduce inflow and infiltration (I/I) of stormwater into the sewer system during heavy rain events. Walls said he thinks that 40-50% of the City’s sewer system flow during storms reaching the treatment plant downstream is due to sources from bad sewer service laterals. He also said the City is working on a lateral grant project for assistance to low income homeowners. Walls stated that the Real Estate Commission has “given them headaches” regarding their lateral efforts since they are also proposing to implement a private sewer service lateral replacement program for point of sale home transactions.

- Collection System Flow Monitoring: We asked Walls if the City is doing any collection system flow monitoring. Walls said that they do some flow monitoring with meters owned by the City. They are using a velocity gauge mounted on an 18-foot pole to assist them in this effort. He said the velocity gauge is useful for helping them gather more information for calculating system flow rates and also to assist the City with determining optimum location(s) for installing permanent flow meters. Walls also said the velocity gauge also allows them to do quick checks to bracket areas of the City that may need further investigation for evaluating I/I contributions, and to help the City better determine the system’s actual dry and wet weather flow rates.
- Sewage Pump/Lift Stations: We asked Walls to explain the City’s layout of pump/lift stations and talk about their efforts in inspecting and maintaining these assets, including any risk assessment efforts done by the City to plan for SSOs. Walls told us that each of the City’s seven lift stations get two visits per week for routine maintenance, specifically on Mondays and Fridays of each week. Walls said crews typically check electrical systems and the pumps. Complete records of these activities are kept on file by the City. Walls also said that the City regularly performs pump station alarm tests and it has records of these operations available for review at the sewer maintenance shop. Due to our time constraints, we did not review any of these records. Walls said that, to date, the City has not done pump hour analysis for all of its lift stations but he said that some pump stations have recently been upgraded with enclosure sheds to help the City “better secure” equipment located at these stations. Walls said some of their stations have dedicated emergency backup generators and he told us the City is now looking to budget more generators for other lift stations in the near future. Walls also said that the City is in the process of evaluating costs for installation of some new lift stations and equipment; however, he said that the City may delay any upgrades until next year due to funding issues.
- Hot Spots and Root Control: We asked Walls about the City’s “hot spot” cleaning and root control efforts. Walls said that they are doing cleaning on a “set number of hot spots,” some on a monthly basis, and some on a twice-per-month basis, depending on location. Walls also said that the City has a root control program in place and applies root treatment chemicals on an annual basis in about 1/3 of the collection system.
- Collections Staff Training: We asked Walls to talk about the City’s efforts in place for training collection staff. Walls said that they regularly train collection crews. For example, the City recently had its senior collections staff worker (Cody Nissan) review the City’s entire SSMP and provide the City with comments and feedback about it. (No additional information was discussed about training.)
- Fats, Oils and Grease (FOG): We asked Walls to explain the City’s FOG reduction efforts. Walls said the City’s FOG program is “pretty limited” and it currently only includes focused cleaning on known problem areas within the collection system. Walls also said that some FOG hot spots are from residential sources and the City keeps track of these blockages, since they are not on routine cleaning schedules. Walls said the City has limited authority in their sewer code to address FOG since they can only require new restaurants to install grease interceptors. We asked Walls to explain how the City checks to make sure that new FOG sources requiring installation of grease interceptors are not illegally discharging grease. Walls said the City tracks reports from the City’s Public Planning Department to check for any new projects that would require installation of grease interceptors in the sewer system. Walls said that recently, the City has actually required installation of grease interceptors at three or four Mexican restaurants within the City’s service area. Walls said the City does not have a periodic

inspection program for any of the grease interceptors, although he said the City is considering adding this type of program in the near future. Walls said that grease interceptor inspections and other FOG efforts will be a higher priority for the City once other major problems like I/I and private lateral issues are addressed.

4.2 Budgeting, Projects and other issues [evaluate compliance with SSSWDRs, sections D.8, D.9, D.13(iv), D.13(viii)]

- **Capital Improvements:** We asked Walls to explain the City's sewer capital improvement efforts. Walls provided a wealth of information about the City's sewer system budgets, O&M and capital improvement programs, including some financial information regarding projects planned for the future. (See Attachment E.) Walls said that they have generated a list of \$12 million of "backlogged work" to do, with another \$6 million targeted for pipes that are currently undersized for the City's 10-year design storm event, which includes eight separate areas and sections of sewer lines. Walls said that the City currently has a total of seven sewer rate increases planned to fund projects such as these. He said that if these sewer rate increases are adopted by their governing board, they will try to pursue a grant from the State Water Board's Clean Water Revolving fund for about \$6 million to implement a "pipe sizing-up" project so that the collection system can handle their 10-year design storm event. Walls said that the City has already filed an initial application with the State Board's Division of Financial Assistance for this project.
- **Sewer Inflow and Infiltration (I/I):** We asked Walls to describe the City's efforts to reduce I/I, including any projects completed, planned or now underway. Walls added that they hired Carrillo Engineers about two years ago to conduct an I/I study on the collection system, and the report is now available for review. Regarding specific work activities, Walls said that the City is now in the process of conducting CCTV of sewer lines and making notes about all service laterals to find and address any I/I issues. Walls said other measures the City is undertaking to study its I/I include installation of a flow meter at a location where the City's main line meets another major trunk line. Walls also said the City identified a total of 89 sewer manholes in the "east trunk sewer section" that had significant I/I, and the City then purchased inserts for each of these manholes, at a total cost of about \$2,000. He said the inserts now prevent surface water from flowing into each manhole during wet weather events. Additionally, he said the City has installed some new manhole gaskets to further prevent I/I, and they have plans to install more things like this in the future to "look for the low hanging fruit" for further I/I reduction. Walls said the City's budget is about \$400,000 per year for I/I projects, including replacement of pipes that are contributing to I/I. Walls also added that the City is currently studying the "east trunk sewer" for additional improvements to be made in the future. He also said that the City is smoke testing every year to check for illicit connections and that the Thermolito area of the City of Oroville is targeted to get smoke tested within the next month. Walls also said that the City has issued 30 "correction notices" in the downtown Oroville area, mostly for minor issues such as missing sewer cleanout caps to prevent inflow of stormwater into the collection system.
- **Sewer Use Rates:** We asked Walls to describe the status of the City's revenues and expenditures, including adequacy of its sewer use rates for supporting needs for collection system maintenance, operations, and management. Walls said the City recently amended their sewer use code to propose sewer rate increases. He said that the City is also in the process of mailing out information required by Proposition 218 regarding the proposal to raise the sewer use rates, which will help the City with funding "some spot repairs," including pipe aligning projects.
- **Sewer master plan:** We asked Walls to explain the status of the City's sewer system master plan. Walls said the City's sewer master plan is in the process of being updated and the City is doing an Environmental Impact Report (EIR). He also said the current sewer system master plan was done over 15 years ago and the plan includes some "bad hydraulics" information, which will be corrected in the new version. Walls said that to improve system hydraulic information, the City has installed nine flow meters in the collection system to begin collecting flow data. In the coming season, he said they would like to get two months' worth of actual flow monitoring, with the goal of capturing three to four major rain events. Walls said that he

thinks that about 80% of I/I is spread throughout about 80% of sewer lines. Walls said that the City is targeting to get their new sewer master plan done within the next year.

4.3 SSO Reporting and Events [evaluate compliance with SSSWDRs, Amended MRP]

We asked Walls some questions to evaluate the City's accuracy with its SSO reporting activities. We also discussed some general information about how the City's SSO reporting procedures are implemented. This discussion is summarized below:

- SSO backup into a building on December 29, 2010 (CIWQS Event ID #748200): We informed Walls about our concerns regarding the City's low volume estimate (900 gallons) certified by Walls in CIWQS for this SSO. (See Attachment B3.) Based on additional information obtained by Greg Cash (Cash) during a follow-up site visit to the building where the SSO occurred, including photographs and statements from the building tenants, the City's volume estimate appears to be low. We asked Walls if any photographs of this SSO were taken by City staff to support their estimates provided for the volume of sewage discharged into the building. Walls told us that the City's estimate was not based on any photographic evidence, since none of his collections staff took any photos of the spill. We told Walls that we were planning to continue our investigation into this SSO and would be following up with the City in the future.
- SSO on February 22, 2010 (CIWQS Event ID# 749724): We informed Walls about the City's violation of the Amended MRP for failing to report this SSO within two hours. (See Attachment B5.) No further information was discussed about this SSO event.
- SSO backup into a residence on March 26, 2008 (CIWQS Event ID# 715658): We asked Walls if any photographs of this SSO were taken by City staff to support their estimates of the volume of sewage discharged into the residence. Walls said that his collection staff person, Cody Nissan, took 13 photos of this SSO. No further information was discussed about this SSO event.
- SSO Complaints and Work Service Requests: Walls explained the City's SSO reporting process, from receipt of incoming complaints to final certification of the SSO by City management. Walls told us that he is the only person at the City certifying SSOs; however, he also said that Kent Westover should also be listed in CIWQS as his backup. No incoming complaint records were inspected at the time of the inspection, since, according to Walls, all of these records are located offsite at the City's maintenance shop. Walls told us that "more than one-half the time" complaints from citizens are often not the City's problem, and are often reported as a result of a failure or a stoppage caused by private lateral sewage discharges (PLSDs). Walls also stated that the City does respond in the field to every single complaint received, including PLSDs. For after hour emergency response, Walls said that the City's police department uses a call list of his collections staff to help them direct any incoming SSO complaints.
- SSO Notification and Reporting Chart: We reviewed the City's SSO notification and reporting chart in the SSMP (Figure 6-2) and discovered that the City did not have the local County Health Department listed in the notification chart. Walls said that they would update this chart and correct it in the SSMP. We also noticed that this chart was missing the "3 business day" reporting requirement for Category 1 SSOs, required by the Amended MRP. Walls said the City would add this requirement to the chart in the SSMP as well.
- SSOs volume estimation procedures: Walls said the City's SSOs experiences to date have been "small" and that he thinks it is a "guessing game" to estimate SSO volume discharged. Walls said that the City uses a combination of interviews by crews with informants to help them put knowledge together to justify final estimates for the SSO volume, which he said is often "not that accurate" and "is a best guess."

- **SSMP Reporting:** We informed Walls that the City violated section D.15 of the SSSWDRs, since the SSMP was not certified until November 17, 2009, approximately 107 days late. Based on Oroville’s population of 13,000 as self-reported by the City in its Collection System Questionnaire (see Attachment D), the SSMP was required to have been certified by the City no later than August 2, 2009.

TIME: 12:20 - LUNCH BREAK

4.5 Morning Debriefing

TIME: 1320

We met Walls back at the City office after lunch and conducted a morning debriefing of our visit to discuss some of our findings as well as areas that would need additional investigation. We also discussed the logistics of our afternoon visit to see the City’s maintenance shop and two of its lift stations.

4.6 Inspection: City Maintenance Shop [evaluate compliance with SSSWDRs, sections D.8, D.9, D.13(iv), D.13(vi)]

Time: 1400

The inspection team met Walls at the City’s maintenance shop in southern Oroville for a brief site tour to evaluate the City’s compliance with the above referenced sections of the SSSWDRs. This included following up on some of the information discussed in the morning about the City’s O&M practices, including readiness in preparing for and responding to SSOs.

We saw the different types of equipment owned and used by the City for conducting sewer system O&M, spot repairs, and for responding to SSOs. (See photos 1-8 below.) According to Walls, the major equipment used by the City includes a CCTV truck, vacuum truck, trailer mounted rodder (1989 vintage), and a large trailer-mounted 63KV backup generator for assisting with sewer system emergencies.



Photos 1-3: City maintenance shop [CCTV truck and associated equipment]



Photos 4-5: City maintenance shop [vacuum truck]



Photos 6-8: City maintenance shop [trailer mounted rodder (left), backup generator (center), and jetter (right)]

4.7 Inspection: Riverview lift station [evaluate compliance with SSSWDRs, sections D.8, D.9, D.13(iv), D.13(vi)]

TIME: 1430

We met City collections staff member Cody Nissan (Nissan) at the City’s riverview lift station to evaluate the City’s compliance with the above referenced sections of the SSSWDRs. This included checking the adequacy of the City’s proactive efforts in maintaining this asset and evaluate its potential risk/threat for impacting surface waters in the event of an SSO. We selected to inspect this station based on its close proximity to the Sacramento River (approximately 400 southeast of the station) and its potential to impact the public, since it is close (within 10 feet) of a public access trail. (See Photo 10.) No audible/visual alarms are used at the station. City phone contact information is not posted at this station.

No significant odors were noticed upon entry; however, leaves and debris were on the station’s grounds and on the wet well cover. (See Photo 11.) Nissan said that this station is one of the City’s most active, and it serves about 40 residential homes. Nissan also said “they don’t pop wet well lids regularly” when doing rounds at the stations. He said that the wet well lid on this

station was only opened a “couple of times over the past year” and “has not been opened for months.” We noticed that the wet well cover’s locking mechanism was filled with gravel and debris and Nissan had some trouble unlocking the cover. Nissan stated that the last time the wet well was cleaned was probably in November 2009. Our inspection of the wet well revealed no significant evidence of corrosion, however, there was a significant accumulation of grease in the wet well. (See Photos 13.)



Photos 9-10: Riverview lift station [signage (L); adjacent public access trails (R)]



Photo 11: Debris on riverview lift station grounds and on the wet well cover



Photos 12-13: Riverview lift station wet well cover lifted (top) and wet well inside showing grease accumulation (bottom)

4.8 Inspection: Orangewood lift station [evaluate compliance with SSSWDRs, sections D.8, D.9, D.13(iv), D.13(vi)]

TIME: 1500

We next met Nissan at the City's orangewood lift station to determine the adequacy of the City's efforts in maintaining this asset and to evaluate its potential risk/threat to surface waters in the event of an SSO. This pump station is located in close proximity to the Thermalito Power Canal (approximately 300 feet north of the station), a major surface water canal part of the California State Water Project. (See Photo 14.) The station is also located in close proximity to a storm drain inlet box (approximately 40 feet northwest of the station). No audible/visual alarms are used at the station. City phone contact information is not posted at this station.

No significant odors were noticed upon entry onto the station grounds. Nissan said this station serves a significant section of sewer trunk line located in the City's northwest sector. The station is equipped with an emergency standby generator; however, the generator's actual rated capacity was not documented during the inspection. The station's wet well revealed both significant corrosion to surfaces and also had a large accumulation of grease and solids in the wet well. (See Photo 15.)



Photos 14: Orangewood lift station near storm drain inlet and California State Water Project surface water canal



Photos 15: Orangewood lift station with significant corrosion and grease/solids in wet well

TIME: 1525 - END OF INSPECTION

5.0 INSPECTION DEBRIEFING

A post-inspection debriefing was not conducted due to time constraints.

6.0 POST-INSPECTION REVIEW

Following the inspection, I conducted a post-audit of the following information to evaluate compliance with SSSWDRs, sections D.8, D.9, D.13, and the Amended MRP:

1. Evaluation of the City's certified SSO reports in CIWQS (9/2/07 to 04/01/2011)
 - a. Finding: Based on review of CIWQS⁴ data, the City certified 4 separate Sanitary Sewer Overflows (SSOs) that reached surface waters, in violation of Provision C.1, between September 2, 2007 and April 1, 2011.
2. Evaluation of the City's notification and reporting compliance
 - a. Finding: The City failed to complete monthly reporting for June 2008.
 - b. Finding: The City failed to correctly certify data for one SSO (CIWQS Event ID #749724).
 - c. Finding: The City failed to certify their final SSMP on time (due on August 2, 2009). SSMP was not certified until November 17, 2009 (107 days late).
 - d. Finding: The City failed to provide 11 "No Spill Certifications" on time in CIWQS between September 2, 2007 and April 1, 2011 (late months were October 2007, November 2007, August 2008, September 2008, November 2008, December 2008, March 2009, April 2009, June 2009, March 2010, and November 2010).
 - e. Finding: The City failed to comply with required notification timeframes for three SSOs that reached surface waters (CIWQS Event ID numbers 749724, 280700, and 439977).
 - f. Finding: The City was notified on December 2, 2010 for the following violations (See Attachment F.)
 - i. City's Collection System Questionnaire was expired, more than 12 calendar months old.
 - ii. Failure to provide a monthly "no spill certification" for June 2008.
 - iii. Erroneous data was recorded for SSO with CIWQS Event ID # 749724.
 - g. Finding: The City was notified on January 31, 2011 of the following violation (See Attachment F.):
 - i. Failure to provide a monthly "no spill certification" for June 2008 (repeat notification).
 - h. Finding: The City was notified on January 31, 2011 for the following violation (See Attachment F.):
 - i. Failure to provide a monthly "no spill certification" for June 2008 (repeat notification).

⁴ California Integrated Water Quality System (CIWQS), hosted by the State Water Board (See www.waterboards.ca.gov/ciwqs)

3. Evaluation of the City's final certified SSMP (dated October 30, 2010), considering data evaluated during the onsite inspection.
- a. Finding: Based on the inspection, the City's level of collection system maintenance staffing may be inadequate to comply with the SSSWDRs, sections D.8 and D.9 to ensure proper maintenance, operations and management of the collection system.
 - b. Finding: Based on the inspection, the City's current training program for collections maintenance workers and contractors may be inadequate. The City did not provide documentation to show how it is complying with SSSWDR sections D.8 and D.13(iv)(d).
 - c. Finding: Based on the inspection, the City's external public communication program may be inadequate. The City did not provide information to show how it is complying with SSSWDR section D.13(xi).
 - d. Finding: Based on the inspection, the City's FOG control program may be inadequate. Section 7 of the SSMP indicates the City does not have a FOG source control program in place. The City should provide justification of why a formal FOG source control program is not necessary. At a minimum, this justification should include a list of the cleaning events undertaken to address FOG and a history of inspections conducted on dischargers in the City's service area that are required to have grease interceptors installed.

ATTACHMENT A: City of Oroville Notice of Intent for coverage under Order No. 2006-0003-DWQ



**SEWERAGE COMMISSION
OROVILLE REGION**

GENERAL WARRANT
P.O. BOX 1350 PH. 530-534-0353
OROVILLE, CA 95965

R

BANK OF AMERICA
ORO DAM BRANCH
1820 ORO DAM BOULEVARD
OROVILLE, CA 95963
(530) 533-4950
11-35-1210

16706

7/26/2006

PAY TO THE ORDER OF SWRCB FEES

60001275

\$**872.00

Eight Hundred Seventy-Two and 00/100*****

SWRCB Accounting Office
Attn: Annual WDR Fees
P.O. Box 1888
Sacramento, CA 95812-1888

DOLLARS

TWO SIGNATURES REQUIRED IF AMOUNT EXCEEDS \$100.00

[Handwritten Signature]
[Handwritten Signature]

MEMO

SSO Permit Fees

⑈016706⑈ ⑆121000358⑆ 11698⑈80250⑈

Security Features include: FID Details on back

State Water Resources Control Board

Enclosure 1

NOTICE OF INTENT
 TO COMPLY WITH THE TERMS OF THE STATEWIDE GENERAL WATER DISCHARGE
 REQUIREMENTS FOR SANITARY SEWER SYSTEMS
 (WATER QUALITY ORDER NO. 2006 - 0003)

I. Notice of Intent (NOI) Status

Mark Only One Item 1. New Permittee 2. Change of Information WDID # **SSO10838**

II. Agency Information

A. Legally Responsible Official
~~Bill Kampkin~~ **Raymond H. Sousa**

B. Agency
~~Sewer Comm - Oroville Region~~ **Sewerage Commission - Oroville Region**

C. Title
~~Manager~~ **Manager/Superintendent**

D. Mailing Address
P.O. Box 1350

E. Address (Line 2)

F. City
Oroville

G. Zip
CA 95965

H. County
Butte

I. Phone
530-534-0353

J. FAX
530-534-3467

K. Email Address
~~ssrcbill@oro~~ **or-ray@oroville.net**

L. Sanitary Sewer System
~~Oroville CS~~ **SC-OR East & West Interceptors**

M. Regional Water Quality Control Board
Region 5R - Redding

N. Agency Type (check one)
 1. City 2. County 3. State 4. Federal 5. Special District

O. Population of Community Served (check one)
 Less than 50,000 Greater than or equal to 50,000

III. Billing Information

A. Agency
~~Sewer Comm - Oroville Region~~ **Sewerage Commission - Oroville Region**

B. Contact Person
~~Bill Kampkin~~ **Ray Sousa**

C. Title
~~Manager~~ **Manager/Superintendent**

D. Mailing Address
P.O. Box 1350

E. Address (Line 2)

F. City
Oroville

G. Zip
CA 95965

H. County
Butte

I. Phone
530-534-0353

J. FAX
530-534-3467

K. Email Address
~~ssrcbill@oro~~ **or-ray@oroville.net**

The annual fee, which is required by the California Water Code (section 13260), is based on the daily population served by the sanitary sewer system. Additionally, an ambient water monitoring surcharge of 9 percent is required for each annual fee. The total fee is the sum of the annual fee and ambient water monitoring surcharge. Please see the instructions on completing this NOI for a detailed explanation of the fee structure.

L. Total Fee (check one)
 Population served < 50,000 – total fee submitted is \$ 872.00
 Population served ≥ 50,000 – total fee submitted is \$ 4,676.00

A check for the appropriate total fee amount should be made payable to SWRCB and mailed with this completed NOI to the following address:

State Water Board Accounting Office
 P O Box 1888
 Attn: SSO Fees
 Sacramento, CA 95812-1888

SWRCB Tax ID is: 68-0281986

IV. Electronic Submittal Authorization

I, Raymond H. Sousa, certify that I am the legally responsible official for
print name
Sewerage Commission Orville Region. My signature on this form certifies that, I
agency

agree, my California Integrated Water Quality System (CIWQS) user ID and password constitute my electronic signature and any information I indicate I am electronically certifying contains my signature. I understand that I am legally bound, obligated, and responsible by use of my electronic signature as much as by a hand-written signature.

I agree that I will protect my electronic signature from unauthorized use, and that I will contact the State Water Resources Control Board, within 24-hours of discovery, if I suspect that my electronic signature has been lost, stolen, or otherwise compromised. I certify that my electronic signature is for my own use, that I will keep it confidential, and that I will not delegate or share it with any other person.

V. Certification

"I certify under penalty of law that this document and all attachments were prepared under my direction and supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, to the best of my knowledge and belief, the information submitted is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. Additionally, I certify that the provisions of the Statewide General Waste Discharge Requirements for Sanitary Sewer Systems, including electronic reporting of all sanitary sewer overflows and development and implementation of a sewer system management plan, will be complied with."

A. Printed Name: Raymond H Sousa
B. Title: Chief Plant Operator
C. Signature: Raymond H Sousa
D. Date: 7-26-06

NOTE: Mail completed and signed form with a check for fee payment to the address below.

State Water Board Accounting Office
P O Box 1888
Attn: SSO Fees
Sacramento, CA 95812-1888

60001275

ATTACHMENT B: City of Oroville Sanitary Sewer Overflows (SSO) (9/2/2007 to 4/1/2011)

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 (**Oroville City**)
- Spill Type (**sso_cat1_2**)
- Start Date (**09/02/2007**)
- End Date (**04/01/2011**)

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.](#)

Region	Responsible Agency	Collection System	Total Number of SSO locations	Total Vol of SSOs (gal)	Total Vol Recover (gal)	Total Vol Reach Surface Water	Percent Recover	Percent Reach Surface Water	Miles Pressure Sewer	Miles Gravity Sewer	Miles of Laterals	Total Number of SSO locations per 100 miles of Sewer	Total Vol of SSOs Surface Water per 100 miles of Sewer	WDID
5R	Oroville City	City Of Oroville CS	23	6,119	619	3,500	10	57	3.0	66.0	0.0	33.3	5,072.4	5SSO10799
			23	6,119	619	3,500			3.0	66.0	0.0			

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: Tuesday, June 07, 2011

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 (Oroville City)
- Spill Type (sso_cat1_2)
- Start Date (09/02/2007)
- End Date (04/01/2011)

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: 5R

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
710392	5R	Oroville City	City Of Oroville CS	Category 1	2007-12-24 14:50:00.0			100	0	100		5SSO10799
712827	5R	Oroville City	City Of Oroville CS	Category 2	2008-02-04 11:00:00.0	2843 Montgomery Street	Oroville	50	0	0		5SSO10799
715658	5R	Oroville City	City Of Oroville CS	Category 2	2008-03-26 22:50:00.0	12 Service Circle	Oroville	200	200	0		5SSO10799
716118	5R	Oroville City	City Of Oroville CS	Category 2	2008-04-02 12:00:00.0	16 Rockridge Road	Oroville	5	5	0		5SSO10799
717647	5R	Oroville City	City Of Oroville CS	Category 2	2008-05-18 13:00:00.0	Riverview	Oroville	200	0	0		5SSO10799
725111	5R	Oroville City	City Of Oroville CS	Category 2	2008-07-30 09:00:00.0	Oro Dam East Boulevard	Oroville	20	20	0	Manhole	5SSO10799
728841	5R	Oroville City	City Of Oroville CS	Category 2	2008-10-28 09:00:00.0	2150 Gray Street	Oroville	10	5	0		5SSO10799
732145	5R	Oroville City	City Of Oroville CS	Category 2	2009-01-08 00:00:00.0	2732 Fay Way	Oroville	200	100	0	Main	5SSO10799
734473	5R	Oroville City	City Of Oroville CS	Category 1	2009-02-27 13:00:00.0	133 Edgewood Drive	Oroville	900	0	900	Main	5SSO10799
746719	5R	Oroville City	City Of Oroville CS	Category 2	2009-10-23 06:00:00.0			60	0	0		5SSO10799
746721	5R	Oroville City	City Of Oroville CS	Category 2	2009-11-08 13:00:00.0	Near Foothill Blvd		400	0	0		5SSO10799
748197	5R	Oroville City	City Of Oroville CS	Category 2	2009-12-25 07:00:00.0	86 Grand Avenue	Oroville	200	100	0	Main	5SSO10799
748199	5R	Oroville City	City Of Oroville CS	Category 2	2009-12-25 08:00:00.0	Ashley Street	Oroville	25	0	0	Main	5SSO10799
748200	5R	Oroville City	City Of Oroville CS	Category 2	2009-12-29 02:00:00.0	3579 Oro Dam Boulevard	Oroville	900	0	0	Main	5SSO10799
748201	5R	Oroville City	City Of Oroville CS	Category 2	2009-12-29 13:30:00.0	Canyon Highlands	Oroville	10	0	0		5SSO10799

749724	5R	Oroville City	City Of Oroville CS	Category 1	2010-02- 22 09:00:00.0	Oroville	500	0	500	5SSO10799
755831	5R	Oroville City	City Of Oroville CS	Category 2	2010-08- 02 00:00:00.0	3475 Charlene Avenue Oroville	200	50	0	Main 5SSO10799
757490	5R	Oroville City	City Of Oroville CS	Category 2	2010-10- 06 17:00:00.0	Valley View Drive Oroville	70	70	0	Main 5SSO10799
760182	5R	Oroville City	City Of Oroville CS	Category 2	2010-12- 31 13:20:00.0	Daryl Porter Way Oroville	40	40	0	Main 5SSO10799
761687	5R	Oroville City	City Of Oroville CS	Category 2	2011-01- 07 09:00:00.0	31 Acacia Avenue Oroville	25	25	0	Main 5SSO10799
762446	5R	Oroville City	City Of Oroville CS	Category 2	2011-01- 24 11:30:00.0	3620 Ashley Avenue Oroville	1	1	0	Main 5SSO10799
763285	5R	Oroville City	City Of Oroville CS	Category 1	2011-02- 17 14:00:00.0	Boynton Avenue Oroville	2,000	0	2,000	Main 5SSO10799
764444	5R	Oroville City	City Of Oroville CS	Category 2	2011-03- 06 13:25:00.0	Daryl Porter Way Oroville	3	3	0	Main 5SSO10799

The current report was generated with data as of: Tuesday, June 07, 2011



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

SSO - General Information ? [SSO Menu](#)

SSO Event ID:	748200	Regional Water Board:	Region 5R - Redding
Spill Location Name:	3579 Oro Dam Boulevard	Agency:	Oroville City
WDID:	5SSO10799	Sanitary Sewer System:	City Of Oroville CS

[General Info](#) | [Spill Related Parties](#) | [Attachments](#)

Certified by Richard H. Walls (Senior Civil Engineer) on 01/07/2010 at Oroville, CA
 (Certification ID 561129)

[Open Related Violation](#)

Note: Questions with "*" are required to be answered to certify this report. You have minutes to save your report before your session expires.
 Questions with prefix 1. do not exist in Category 2.

Submit Draft On:

Last Updated By: [Richard Walls](#)

1 - Spill Type: SSO Category 2
 2 - Version: 1

Physical Location Details

*3 - Spill location name:

*4 - Latitude of spill location: deg. min. sec. OR decimal degrees [\[Show Map \]](#)

*5 - Longitude of spill location: deg. min. sec. OR decimal degrees [\[Show Map \]](#)

6 - Street number: 7 - Street direction:

8 - Street name: 9 - Street type: 10 - Suite/Apt:

11 - Cross street:

12 - City: 13 - State: 14 - Zip:

*15 - County:

16 - Spill location description:
 (Use attachment if location description is more than 2000 charaters)

*17 - Regional Water Quality Control Board:

Spill Details

*18 - Spill appearance point:
 (Hold Ctrl key to Select Multiple answers from the list)

19 - Spill appearance point explanation:
 (Required if spill appearance point is "Other")

*20 - Did the spill discharge to a drainage channel and/or surface water? [\(View History\)](#)

*21 - Did the spill reach a separate (i.e.,not combined) storm drainpipe? [\(View History\)](#)

*22 - If spill reached a separate storm drainpipe, was all of the wastewater fully captured from the separate storm drain and returned to the sanitary sewer system? [\(View History\)](#)

*23 - Private lateral spill? [\(View History\)](#)

24 - Name of responsible party (for private lateral spill only, if known):

*25 - Final spill destination:
 (Hold Ctrl key to Select Multiple answers from the list)

26 - Explanation of final spill destination:
 (Required if final spill destination is "Other")

*27 - Estimated spill volume: gallons [\(View History\)](#)

28 - Estimated volume of spill recovered: gallons ([View History](#))

29 - Estimated current spill rate (if applicable): gallons per minute

*30 - Estimated spill start date/time: : Date Format: MM/DD/YYYY

*31 - Date and time sanitary sewer system agency was notified of or discovered spill: : Date Format: MM/DD/YYYY

*32 - Estimated Operator arrival date/time: : Date Format: MM/DD/YYYY

*33 - Estimated spill end date/time: : Date Format: MM/DD/YYYY

*34 - Spill cause:

35 - Spill cause explanation:
(Required if spill Cause is "Other")

*36 - Where did failure occur?

37 - Explanation of Where Failure Occurred:
(Required if Where Failure Occurred is "Other")

38 - If spill caused by wet weather, choose size of storm:

39 - Diameter of sewer pipe at the point of blockage or spill cause (if applicable): inches

40 - Material of sewer pipe at the point of blockage or spill cause (if applicable):

41 - Estimated age of sewer pipe at the point of blockage or spill cause (if applicable):

42 - Description of terrain surrounding the point of blockage or spill cause (if applicable):

*43 - Spill response activities:
(Hold Ctrl key to Select Multiple answers from the list)
 Cleaned-up (mitigated effects of spill)
 Contained all or portion of spill
 Inspected sewer using CCTV to determine cause

44 - Explanation of spill response activities:
(Required if spill response activities is "Other", use attachment if the text is more than 1700 characters)

45 - Visual inspection results from impacted receiving water:

46a - Name of impacted beach(es) :

*46b - Name of impacted surface water(s):

Notification Details

47 - OES Control Number
(Required for Category 1 - see SSO Monitoring and Reporting Program Requirements):

48 - OES Called Date/Time
(Required for Category 1 - see SSO Monitoring and Reporting Program Requirements): : Date Format: MM/DD/YYYY

49 - Regional Water Quality Control Board notified date/time: : Date Format: MM/DD/YYYY

50 - Method Notification

51 - Name of Staff Contacted

52 - Phone Number of Staff Contacted

53 - Other Agency Notified:

54 - Was any of this spill report information submitted via fax (or electronically) to the Regional Water Quality Control Board?

55 - Date and time spill report information was submitted via fax (or electronically) to the Regional Water quality Control Board:
(required if spill report information submitted via fax to Regional Water Board is "Yes") : Date Format: MM/DD/YYYY

Note: Questions with "*" are required to be answered to certify this report.



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SSO - General Information ? | [SSO Menu](#)

SSO Event ID:	715658	Regional Water Board:	Region 5R - Redding
Spill Location Name:	12 Service Circle	Agency:	Oroville City
WDID:	5SSO10799	Sanitary Sewer System:	City Of Oroville CS

[General Info](#) | [Spill Related Parties](#) | [Attachments](#)

Certified by Richard Walls (Sr. Civil Engineer) on 04/01/2008 at 04/01/2008
 (Certification ID 622809)

[Open Related Violation](#)

Note: Questions with "*" are required to be answered to certify this report. You have minutes to save your report before your session expires.
 Questions with prefix 1. do not exist in Category 2.

Submit Draft On:

Last Updated By: [Richard Walls](#)

1 - Spill Type: SSO Category 2
 2 - Version: 1

Physical Location Details

* 3 - Spill location name:

* 4 - Latitude of spill location: deg. min. sec. OR decimal degrees [\[Show Map \]](#)

* 5 - Longitude of spill location: deg. min. sec. OR decimal degrees [\[Show Map \]](#)

6 - Street number: 7 - Street direction:

8 - Street name: 9 - Street type: 10 - Suite/Apt:

11 - Cross street:

12 - City: 13 - State: 14 - Zip:

* 15 - County:

16 - Spill location description:
 (Use attachment if location description is more than 2000 charaters)

* 17 - Regional Water Quality Control Board:

Spill Details

* 18 - Spill appearance point:
 (Hold Ctrl key to Select Multiple answers from the list)
 Combined sewer D.I.
 Force main or pressure sewer

19 - Spill appearance point explanation:
 (Required if spill appearance point is "Other")

* 20 - Did the spill discharge to a drainage channel and/or surface water? [\(View History\)](#)

* 21 - Did the spill reach a separate (i.e.,not combined) storm drainpipe? [\(View History\)](#)

* 22 - If spill reached a separate storm drainpipe, was all of the wastewater fully captured from the separate storm drain and returned to the sanitary sewer system? [\(View History\)](#)

* 23 - Private lateral spill? [\(View History\)](#)

24 - Name of responsible party (for private lateral spill only, if known):

* 25 - Final spill destination:
 (Hold Ctrl key to Select Multiple answers from the list)

 [\(View History\)](#)

26 - Explanation of final spill destination:
 (Required if final spill destination is "Other")

* 27 - Estimated spill volume: gallons [\(View History\)](#)

28 - Estimated volume of spill recovered: gallons ([View History](#))

29 - Estimated current spill rate (if applicable): gallons per minute

*30 - Estimated spill start date/time: : Date Format: **MM/DD/YYYY**

*31 - Date and time sanitary sewer system agency was notified of or discovered spill: : Date Format: **MM/DD/YYYY**

*32 - Estimated Operator arrival date/time: : Date Format: **MM/DD/YYYY**

*33 - Estimated spill end date/time: : Date Format: **MM/DD/YYYY**

*34 - Spill cause:

35 - Spill cause explanation:
(Required if spill Cause is "Other")

*36 - Where did failure occur?

37 - Explanation of Where Failure Occurred:
(Required if Where Failure Occurred is "Other")

38 - If spill caused by wet weather, choose size of storm:

39 - Diameter of sewer pipe at the point of blockage or spill cause (if applicable): inches

40 - Material of sewer pipe at the point of blockage or spill cause (if applicable):

41 - Estimated age of sewer pipe at the point of blockage or spill cause (if applicable):

42 - Description of terrain surrounding the point of blockage or spill cause (if applicable):

*43 - Spill response activities:
(Hold Ctrl key to Select Multiple answers from the list)
 Cleaned-up (mitigated effects of spill)
 Contained all or portion of spill
 Inspected sewer using CCTV to determine cause

44 - Explanation of spill response activities:
(Required if spill response activities is "Other", use attachment if the text is more than 1700 characters)

45 - Visual inspection results from impacted receiving water:

46a - Name of impacted beach(es) :

*46b - Name of impacted surface water(s):

Notification Details

47 - OES Control Number
(Required for **Category 1** - see SSO Monitoring and Reporting Program Requirements):

48 - OES Called Date/Time
(Required for **Category 1** - see SSO Monitoring and Reporting Program Requirements): : Date Format: **MM/DD/YYYY**

49 - Regional Water Quality Control Board notified date/time: : Date Format: **MM/DD/YYYY**

50 - Method Notification

51 - Name of Staff Contacted

52 - Phone Number of Staff Contacted

53 - Other Agency Notified:

54 - Was any of this spill report information submitted via fax (or electronically) to the Regional Water Quality Control Board?

55 - Date and time spill report information was submitted via fax (or electronically) to the Regional Water quality Control Board:
(required if spill report information submitted via fax to Regional Water Board is "Yes") : Date Format: **MM/DD/YYYY**

Note: Questions with "*" are required to be answered to certify this report.



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SSO - General Information ? | [SSO Menu](#)

SSO Event ID: 749724 Regional Water Board: Region 5R - Redding
 Spill Location Name: MH KK-37 Agency: Oroville City
 WDID: 5SSO10799 Sanitary Sewer System: City Of Oroville CS

[General Info](#) [Spill Related Parties](#) [Attachments](#)

Certified by Richard H. Walls (Senior Civil Engineer) on 02/23/2010 at Oroville, CA
 (Certification ID 768360)

[Open Related Violation](#)

Note: Questions with "*" are required to be answered to certify this report. You have minutes to save your report before your session expires.
 Questions with prefix 1. do not exist in Category 2.

Submit Draft On:

Last Updated By: [Richard Walls](#)

1 - Spill Type: SSO Category 1
 2 - Version: 1

Physical Location Details

* 3 - Spill location name:

* 4 - Latitude of spill location: deg. min. sec. OR decimal degrees [\[Show Map \]](#)

* 5 - Longitude of spill location: deg. min. sec. OR decimal degrees [\[Show Map \]](#)

6 - Street number: 7 - Street direction:

8 - Street name: 9 - Street type: 10 - Suite/Apt:

11 - Cross street:

12 - City: 13 - State: 14 - Zip:

* 15 - County:

16 - Spill location description:
 (Use attachment if location description is more than 2000 charaters)

* 17 - Regional Water Quality Control Board:

Spill Details

* 18 - Spill appearance point:
 (Hold Ctrl key to Select Multiple answers from the list)

19 - Spill appearance point explanation:
 (Required if spill appearance point is "Other")

* 20 - Did the spill discharge to a drainage channel and/or surface water? [\(View History\)](#)

* 21 - Did the spill reach a separate (i.e.,not combined) storm drainpipe? [\(View History\)](#)

* 22 - If spill reached a separate storm drainpipe, was all of the wastewater fully captured from the separate storm drain and returned to the sanitary sewer system? [\(View History\)](#)

* 23 - Private lateral spill? [\(View History\)](#)

24 - Name of responsible party (for private lateral spill only, if known):

* 25 - Final spill destination:
 (Hold Ctrl key to Select Multiple answers from the list)

 [\(View History\)](#)

26 - Explanation of final spill destination:
 (Required if final spill destination is "Other")

* 27 - Estimated spill volume: gallons [\(View History\)](#)

*28 - Estimated volume of spill recovered: gallons ([View History](#))

*1.1 - Estimated volume (greater than 0) of spill that reached surface water, drainage channel, or not recovered from a separate storm drain: gallons ([View History](#))

29 - Estimated current spill rate (if applicable): gallons per minute

*30 - Estimated spill start date/time: : Date Format: MM/DD/YYYY

*31 - Date and time sanitary sewer system agency was notified of or discovered spill: : Date Format: MM/DD/YYYY

*32 - Estimated Operator arrival date/time: : Date Format: MM/DD/YYYY

*33 - Estimated spill end date/time: : Date Format: MM/DD/YYYY

*34 - Spill cause: Grease deposition (FOG)

35 - Spill cause explanation: (Required if spill Cause is "Other")

*36 - Where did failure occur?

37 - Explanation of Where Failure Occurred: (Required if Where Failure Occurred is "Other")

38 - If spill caused by wet weather, choose size of storm:

39 - Diameter of sewer pipe at the point of blockage or spill cause (if applicable): inches

40 - Material of sewer pipe at the point of blockage or spill cause (if applicable):

41 - Estimated age of sewer pipe at the point of blockage or spill cause (if applicable):

42 - Description of terrain surrounding the point of blockage or spill cause (if applicable):

*43 - Spill response activities: (Hold Ctrl key to Select Multiple answers from the list)
 Cleaned-up (mitigated effects of spill)
 Contained all or portion of spill
 Inspected sewer using CCTV to determine cause

44 - Explanation of spill response activities: (Required if spill response activities is "Other", use attachment if the text is more than 1700 characters)

*1.2 Spill response completion date: : Date Format: MM/DD/YYYY

45 - Visual inspection results from impacted receiving water:

*1.3 - Health warnings posted?

46a - Name of impacted beach(es) :

*46b - Name of impacted surface water(s):

*1.6 - Is there an ongoing investigation?

*1.7 - Water quality samples analyzed for: (Hold Ctrl key to Select Multiple answers from the list)
 Dissolved oxygen
 Other chemical indicator(s) - specify below
 Biological indicator(s) - specify below

1.8 - Explanation of water quality samples analyzed for: (Required if water quality samples analyzed for is "Other chemical indicator(s)", "Biological indicator(s)", or "Other")

*1.9 - Water quality sample results reported To: (Hold Ctrl key to Select Multiple answers)
 County Health Agency
 Regional Water Quality Control Board
 None of the above

1.10 - Explanation of water quality sample results reported to: (Required if water quality sample results reported to is "Other")

*1.11 - Spill corrective action taken: (Hold Ctrl key to Select Multiple answers from the list)
 Added sewer to preventive maintenance program
 Adjusted schedule/method of preventive maintenance
 Enforcement action against FOG source

1.12 - Explanation of spill corrective action taken: (Required if spill corrective action is "Other")

Notification Details

47 - OES Control Number (Required for **Category 1** - see SSO Monitoring and Reporting Program)

Requirements):

48 - OES Called Date/Time
 (Required for **Category 1** - see SSO Monitoring and Reporting Program Requirements):

: · Date Format: **MM/DD/YYYY**

*** 1.13 - County health agency notified:**

·

1.14 - Agency Name

1.15 - Method Notification

1.16 - Name of Staff Contacted

1.17 - Phone Number of Staff Contacted

1.18 - County health agency notified date/time:
 (required if County health agency notified is "Yes")

: · Date Format: **MM/DD/YYYY**

49 - Regional Water Quality Control Board notified date/time:

: · Date Format: **MM/DD/YYYY**

50 - Method Notification

51 - Name of Staff Contacted

52 - Phone Number of Staff Contacted

53 - Other Agency Notified:

54 - Was any of this spill report information submitted via fax (or electronically) to the Regional Water Quality Control Board?

·

55 - Date and time spill report information was submitted via fax (or electronically) to the Regional Water quality Control Board:
 (required if spill report information submitted via fax to Regional Water Board is "Yes")

: · Date Format: **MM/DD/YYYY**

Note: Questions with "" are required to be answered to certify this report.*

ATTACHMENT C: City of Oroville Monthly “No Spill Certifications” and SSMP Certification



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SSO - SSO No Spill Certification Search [?](#) [SSO Menu](#)

Regional Water Board:

Agency:

Sanitary Sewer System:

WDID:

Enter any search criteria and click "Search".

Confirmation Number:

For the Month/Year From: Year:

For the Month/Year To: Year:

Sanitary Sewer System:

Agency:

Regional Water Board:

Search Results:

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Confirmation Number	Certification for the Month of	Certified By	Entered Date/Time	Sanitary Sewer System	Agency	Regional Board
2289971	May 2011	Richard Walls	2011-6-3.10.10. 15. 0	City Of Oroville CS	Oroville City	5R
2285238	April 2011	Richard Walls	2011-5-2.9.34. 19. 0	City Of Oroville CS	Oroville City	5R
2270977	November 2010	Richard Walls	2011-1-4.12.37. 27. 0	City Of Oroville CS	Oroville City	5R
2259423	September 2010	Richard Walls	2010-10-7.7.48. 6. 0	City Of Oroville CS	Oroville City	5R
2252019	July 2010	Richard Walls	2010-8-5.16.25. 36. 0	City Of Oroville CS	Oroville City	5R
2247414	June 2010	Richard Walls	2010-7-6.10.18. 20. 0	City Of Oroville CS	Oroville City	5R
2244601	May 2010	Richard Walls	2010-6-14.8.3. 34. 0	City Of Oroville CS	Oroville City	5R
2240550	April 2010	Richard Walls	2010-5-7.8.21. 12. 0	City Of Oroville CS	Oroville City	5R
2240549	March 2010	Richard Walls	2010-5-7.8.20. 22. 0	City Of Oroville CS	Oroville City	5R
2230794	January 2010	Richard Walls	2010-2-23.16.14. 49. 0	City Of Oroville CS	Oroville City	5R



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SSO - SSO No Spill Certification Search [?](#) [SSO Menu](#)

Regional Water Board:

Agency:

Sanitary Sewer System:

WDID:

Enter any search criteria and click "Search".

Confirmation Number:

For the Month/Year From: - Select Month - Year:

For the Month/Year To: - Select Month - Year:

Sanitary Sewer System:

Agency:

Regional Water Board:

Search Results:

[Previous 10](#) | 11-20 of 25 | [Next 5](#)

Confirmation Number	Certification for the Month of	Certified By	Entered Date/Time	Sanitary Sewer System	Agency	Regional Board
2207938	September 2009	Richard Walls	2009-10-12.12.38. 54. 0	City Of Oroville CS	Oroville City	5R
2200258	August 2009	Richard Walls	2009-9-2.7.24. 4. 0	City Of Oroville CS	Oroville City	5R
2196191	July 2009	Richard Walls	2009-8-12.7.27. 9. 0	City Of Oroville CS	Oroville City	5R
2196190	June 2009	Richard Walls	2009-8-12.7.26. 35. 0	City Of Oroville CS	Oroville City	5R
835027	May 2009	Richard Walls	2009-6-11.16.33. 38. 0	City Of Oroville CS	Oroville City	5R
835026	April 2009	Richard Walls	2009-6-11.16.33. 0. 0	City Of Oroville CS	Oroville City	5R
835025	March 2009	Richard Walls	2009-6-11.16.32. 4. 0	City Of Oroville CS	Oroville City	5R
835024	December 2008	Richard Walls	2009-6-11.16.31. 20. 0	City Of Oroville CS	Oroville City	5R
835023	November 2008	Richard Walls	2009-6-11.16.30. 18. 0	City Of Oroville CS	Oroville City	5R
802212	September 2008	Richard Walls	2008-11-3.10.56. 21. 0	City Of Oroville CS	Oroville City	5R



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SSO - SSO No Spill Certification Search [?](#) [SSO Menu](#)

Regional Water Board:

Agency:

Sanitary Sewer System:

WDID:

Enter any search criteria and click "Search".

Confirmation Number:

For the Month/Year From: - Select Month - Year:

For the Month/Year To: - Select Month - Year:

Sanitary Sewer System:

Agency:

Regional Water Board:

Search Results:

[Previous 10](#) [Next](#)

Confirmation Number	Certification for the Month of	Certified By	Entered Date/Time	Sanitary Sewer System	Agency	Regional Board
802211	August 2008	Richard Walls	2008-11-3.10.55. 48. 0	City Of Oroville CS	Oroville City	5R
727295	January 2008	Richard Walls	2008-2-14.10.39. 58. 0	City Of Oroville CS	Oroville City	5R
727294	November 2007	Richard Walls	2008-2-14.10.39. 19. 0	City Of Oroville CS	Oroville City	5R
703390	October 2007	Richard Walls	2007-12-19.11.46. 38. 0	City Of Oroville CS	Oroville City	5R
685265	September 2007	Richard Walls	2007-10-26.13.4. 9. 0	City Of Oroville CS	Oroville City	5R



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

Regional Water Board: 5R
 Agency: Oroville City
 Sanitary Sewer System: City Of Oroville CS
 WDID: 5SSO10799

Last Updated:

SSMP Element	Certification Date
Development Plan and Schedule	<input type="text" value="11/06/2007"/> (Date Format: MM/DD/YYYY)
Section I - Goal	<input type="text" value="10/22/2007"/> (Date Format: MM/DD/YYYY)
Section II - Organization	<input type="text" value="10/22/2007"/> (Date Format: MM/DD/YYYY)
Section III - Legal Authority	<input type="text" value="03/15/2008"/> (Date Format: MM/DD/YYYY)
Section IV - Operation & Maintenance Program	<input type="text" value="03/15/2008"/> (Date Format: MM/DD/YYYY)
Section V - Design & Performance Provisions	<input type="text" value="07/27/2009"/> (Date Format: MM/DD/YYYY)
Section VI - Overflow Emergency Response Plan	<input type="text" value="07/27/2009"/> (Date Format: MM/DD/YYYY)
Section VII - FOG Control Program	<input type="text" value="03/17/2008"/> (Date Format: MM/DD/YYYY)
Section VIII - System Evaluation & Capacity Assurance Plan	<input type="text" value="07/27/2009"/> (Date Format: MM/DD/YYYY)
Section IX - Monitoring, Measurement, and Program Modifications	<input type="text" value="05/18/2008"/> (Date Format: MM/DD/YYYY)
Section X - SSMP Program Audits	<input type="text" value="07/27/2009"/> (Date Format: MM/DD/YYYY)
Section XI - Communication Program	<input type="text" value="10/22/2007"/> (Date Format: MM/DD/YYYY)
Complete SSMP Implementation	<input type="text" value="11/17/2009"/> (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:	<input type="text"/>
5-Year Update	<input type="text"/> (Date Format: MM/DD/YYYY)

[Historic](#)

ATTACHMENT D: City of Oroville Collection System Questionnaire



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

Regional Water Board: 5R
Agency: Oroville City
Sanitary Sewer System: City Of Oroville CS
WDID: 5SSO10799

Collection System Questionnaire

Save

Note: All questions are required to be answered. Enter N/A for questions that do not apply.

Last successfully updated: 2011-01-04

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?

Note: All questions are required to be answered.

[Export Questionnaire History To Excel](#)

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ATTACHMENT E: City of Oroville Sewer Budget

6-14-10
(City of Oroville)

CITY OF OROVILLE SANITARY SEWER BUDGET - 15 YEAR PROJECTION FOR FY 2010 - 2011

YEAR NO.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
	Estimated	Estimated	Estimated	Estimated	Estimated	Estimated	Estimated	Estimated	Estimated	Estimated	Estimated	Estimated	Estimated	Estimated	Estimated
	2009-2010	2010-2011	2011-2012	2012-2013	2013-2014	2014-2015	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024
SERVICE CHARGE BASE RATE INCREASE %	1.13	1.13	1.14	1.15	1.16	1.17	1.13	1.13	1	1	1	1	1	1	1
TOTAL RATE INCREASE WITH TWSD CHARGES %		25.0%	12.9%	13.8%	14.9%	16.2%	12.5%	12.5%	0.3%	0.3%	0.3%	0.3%	0.3%	0.4%	0.4%
BEGIN FUND BALANCE	\$2,768,496	\$2,052,472	\$1,579,629	\$1,318,122	\$820,514	\$718,108	\$465,176	\$686,705	\$681,563	\$907,470	\$870,519	\$1,561,962	\$852,757	\$999,965	\$1,128,327
REVENUES															
Interest Revenues	\$11,890	\$12,071	\$17,376	\$26,362	\$24,615	\$21,543	\$13,955	\$20,601	\$20,447	\$27,224	\$26,116	\$46,859	\$25,583	\$29,999	\$33,850
No. of City EDU's	7,916	8,054	8,078	8,106	8,135	8,163	8,204	8,245	8,286	8,328	8,369	8,411	8,453	8,496	8,538
City Service Charge/EDU/Month	\$9.79	\$11.06	\$12.61	\$14.50	\$16.82	\$19.68	\$22.24	\$25.13	\$25.13	\$25.13	\$25.13	\$25.13	\$25.13	\$25.13	\$25.13
TWSD Service Charge/Citywide EDU	\$0	\$1.18	\$1.21	\$1.22	\$1.24	\$1.31	\$1.37	\$1.44	\$1.51	\$1.59	\$1.67	\$1.75	\$1.83	\$1.92	\$2.02
Total City Service Charges	\$9.79	\$12.24	\$13.82	\$15.73	\$18.07	\$20.99	\$23.62	\$26.58	\$26.65	\$26.72	\$26.80	\$26.88	\$26.97	\$27.06	\$27.15
No. of SCOR EDU's	8,741	8,996	9,023	9,055	9,086	9,118	9,164	9,209	9,256	9,302	9,348	9,395	9,442	9,489	9,537
SC-OR Service Charge/EDU/Month	\$7.80	\$8.60	\$8.60	\$8.86	\$9.12	\$9.40	\$9.68	\$9.97	\$10.27	\$10.58	\$10.89	\$11.22	\$11.56	\$11.90	\$12.26
Annual Sewer Service Charges-City	\$929,972	\$1,182,801	\$1,339,418	\$1,529,965	\$1,763,821	\$2,056,391	\$2,324,969	\$2,629,410	\$2,649,644	\$2,670,364	\$2,691,593	\$2,713,355	\$2,735,676	\$2,758,583	\$2,782,104
Annual Sewer Service Charges - SCOR	\$818,158	\$928,387	\$931,172	\$962,464	\$994,808	\$1,028,239	\$1,064,381	\$1,101,794	\$1,140,522	\$1,180,612	\$1,222,110	\$1,265,067	\$1,309,534	\$1,355,564	\$1,403,213
Other Revenues/Adj	\$19,525	\$15,081	\$15,684	\$16,312	\$16,964	\$17,643	\$18,172	\$18,717	\$19,279	\$19,857	\$20,453	\$21,067	\$21,699	\$22,350	\$23,020
Other Financing Sources - Transfers In	\$13,046	\$13,307	\$13,706	\$14,117	\$14,541	\$14,977	\$15,427	\$15,889	\$16,366	\$16,857	\$17,363	\$17,884	\$18,420	\$18,973	\$19,542
Total Revenues	\$1,792,590	\$2,151,647	\$2,317,357	\$2,549,221	\$2,814,749	\$3,138,793	\$3,436,904	\$3,786,412	\$3,846,258	\$3,914,914	\$3,977,634	\$4,064,231	\$4,110,911	\$4,185,468	\$4,261,728
EXPENDITURES															
Sewer Treatment - SCOR	\$818,158	\$928,387	\$931,172	\$962,464	\$994,808	\$1,028,239	\$1,064,381	\$1,101,794	\$1,140,522	\$1,180,612	\$1,222,110	\$1,265,067	\$1,309,534	\$1,355,564	\$1,403,213
No. EDU's TWSD SS Agreement	--	1,087	1,092	1,097	1,102	1,107	1,112	1,117	1,122	1,127	1,132	1,137	1,142	1,147	1,152
Cost/EDU/Month - TWSD SS Agreement	--	\$8.71	\$8.92	\$9.05	\$9.19	\$9.65	\$10.13	\$10.64	\$11.17	\$11.73	\$12.32	\$12.93	\$13.58	\$14.26	\$14.97
Sewer Collection - TWSD	\$0	\$113,613	\$116,888	\$119,134	\$121,529	\$128,184	\$135,201	\$142,599	\$150,400	\$158,623	\$167,293	\$176,434	\$186,070	\$196,229	\$206,939
Sewer Operations-Staffing Salaries & Benefits															
GIS Engr Asst (35%)	\$30,010	\$31,511	\$32,613	\$33,755	\$34,936	\$36,159	\$37,425	\$38,734	\$40,090	\$41,493	\$42,946	\$44,449	\$46,004	\$47,615	\$49,281
Sr. Civil Engineer (50%)	\$40,992	\$40,992	\$42,427	\$43,912	\$45,449	\$47,039	\$48,686	\$50,390	\$52,153	\$53,979	\$55,868	\$57,823	\$59,847	\$61,942	\$64,110
Pub Works Op I (100%)	\$58,846	\$59,560	\$61,645	\$63,802	\$66,035	\$68,346	\$70,739	\$73,214	\$75,777	\$78,429	\$81,174	\$84,015	\$86,956	\$89,999	\$93,149
Pub Works Op II (100%)	\$68,463	\$68,463	\$70,859	\$73,339	\$75,906	\$78,563	\$81,313	\$84,159	\$87,104	\$90,153	\$93,308	\$96,574	\$99,954	\$103,452	\$107,073
Pub Works Op II (100%)	\$0	\$59,364	\$61,442	\$63,592	\$65,818	\$68,122	\$70,506	\$72,974	\$75,528	\$78,171	\$80,907	\$83,739	\$86,670	\$89,703	\$92,843
Pub Works Op III (100%)	\$71,483	\$71,483	\$73,985	\$76,574	\$79,254	\$82,028	\$84,899	\$87,871	\$90,946	\$94,129	\$97,424	\$100,834	\$104,363	\$108,016	\$111,796
Pub Works Op III (10%)	\$7,114	\$7,114	\$7,363	\$7,621	\$7,887	\$8,163	\$8,449	\$8,745	\$9,051	\$9,368	\$9,696	\$10,035	\$10,386	\$10,750	\$11,126
Electrician (33.3%)	\$28,501	\$28,501	\$29,499	\$30,531	\$31,600	\$32,706	\$33,850	\$35,035	\$36,261	\$37,530	\$38,844	\$40,203	\$41,611	\$43,067	\$44,574
Temp Op 1	\$12,007	\$13,345	\$13,812	\$14,296	\$14,796	\$15,314	\$15,850	\$16,405	\$16,979	\$17,573	\$18,188	\$18,825	\$19,484	\$20,166	\$20,871
Total Salaries	\$317,416	\$380,333	\$393,645	\$407,422	\$421,682	\$436,441	\$451,716	\$467,526	\$483,889	\$500,826	\$518,354	\$536,497	\$555,274	\$574,709	\$594,824
Services and Supplies - Misc	\$681,986	\$200,024	\$216,325	\$222,814	\$229,499	\$234,089	\$238,771	\$243,546	\$248,417	\$253,385	\$258,453	\$263,622	\$268,895	\$274,273	\$279,758
Services and Supplies - Root Treatment	\$110,000	\$110,000	\$113,300	\$116,699	\$120,200	\$123,806	\$127,520	\$131,346	\$135,286	\$139,345	\$143,525	\$147,831	\$152,266	\$156,834	\$161,539
Capital Projects - System Maintenance	\$104,000	\$275,000	\$400,000	\$200,000		\$400,000	\$250,000	\$500,000	\$500,000	\$750,000		\$1,000,000	\$500,000	\$500,000	\$1,000,000
Capital Projects - Equipment Purchases	\$185,747	\$220,000	\$0	\$0	\$0	\$0	\$0	\$250,000	\$0	\$0	\$0	\$400,000	\$0	\$0	\$0
Capital Projects - Set Aside - Pipe Upsizing	\$0	\$0	\$0	\$600,000	\$600,000	\$600,000	\$600,000	\$600,000	\$600,000	\$600,000	\$600,000	\$600,000	\$600,000	\$600,000	\$600,000
TWSD Service Agreement I&I Reduction	\$0	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Cost Allocation to General Fund	\$291,307	\$297,133	\$307,533	\$318,296	\$329,437	\$340,967	\$347,786	\$354,742	\$361,837	\$369,074	\$376,455	\$383,984	\$391,664	\$399,497	\$407,487
Total Expenditures	\$2,508,614	\$2,624,490	\$2,578,863	\$3,046,830	\$2,917,154	\$3,391,725	\$3,215,375	\$3,791,554	\$3,620,351	\$3,951,864	\$3,286,191	\$4,773,435	\$3,963,703	\$4,057,106	\$4,653,759
ENDING FUND BALANCE	\$2,052,472	\$1,579,629	\$1,318,122	\$820,514	\$718,108	\$465,176	\$36,705	\$681,563	\$907,470	\$870,519	\$1,561,962	\$852,757	\$999,965	\$1,128,327	\$736,297
(1) \$220,000 budgeted for off-road jet rodding truck in FY 10 - 11 (Capital Projects - Equipment Purchases)															
(2) Purchase of replacement vector budgeted for FY 16 - 17 (Capital Projects - Equipment Purchases)															

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ATTACHMENT F: City of Oroville Compliance Email Reminders

SBSSO - URGENT for City Of Oroville CS (5SSO10799) : SSO Compliance - Best viewed in HTML.

From: <sbsso@waterboards.ca.gov>
To: <westoverkr@cityoforoville.org>, <rb5sso@waterboards.ca.gov>, <sbsso@waterboards.ca.gov>
Date: 12/2/2010 9:02 AM
Subject: URGENT for City Of Oroville CS (5SSO10799) : SSO Compliance - Best viewed in HTML.

TO: LEGALLY RESPONSIBLE OFFICIALS (LROs) and DATA SUBMITTERS (DSs) ENROLLED UNDER THE STATEWIDE SANITARY SEWER SYSTEMS WDR (WATER QUALITY ORDER 2006-0003-DWQ)

This is an auto-generated CIWQS e-mail alert compliance reminder. Your State Water Board CIWQS records indicate that your collection system is enrolled under the Statewide Sanitary Sewer System Waste Discharge Requirements (Order No. 2006-0003-DWQ). We have noted the following deficiencies in the CIWQS database system. Please review your compliance with the Order and address the deficiencies listed below within the next 90 days. The Water Boards reserve their rights to pursue any enforcement action authorized by law (see Water Code sections 13350, 13268, et al.).

* The last update of your collection system questionnaire was on 12-NOV-09. It is older than 1 year, so you should update the questionnaire form as soon as possible. Otherwise, the system blocks you from reporting spills, no-spill certifications, and certify SSMP.

* Your collection system needs to report the spill(s) or No-Spill certification(s) for jun-08, Note: Your collection system still has to report a no-spill certification for a month if all reported spills for that month are Private Lateral spills.

* Your Collection System has spill(s): 749724, whose data was mis-reported in one or more of the following ways:

1. The "spill volume recovered" is greater than the "spill volume" (the "spill volume recovered" must be less than or equal the volume of the spill) OR
2. The "spill volume reached surface water" is greater than the "spill volume" (the "spill volume reached surface water" must be less than or equal the volume of the spill), OR
3. You selected "spill reached surface water" = yes but indicated the "volume reached surface water" = 0 or you did not provide the impacted surface water body name in the "surface water impacted" field, OR
4. You selected "spill reached surface water" = no but indicated the "volume reached surface water" was greater than 0 or you provided the impacted surface water body name in the "surface water impacted" field.

Please correct the spill report(s) by amending and re-certifying them.

To update your user information, including email, please log-into CIWQS and then click VIEW/CHANGE MY PERSONAL INFORMATION and MY EMAIL ADDRESS to change as necessary. Select SAVE CHANGES before exiting the screen.

For more information about the Statewide Sanitary Sewer Systems WDR, please visit:
http://www.swrcb.ca.gov/water_issues/programs/sso/

To assist you with learning more about SSO electronic reporting, please view the SSO Discharger Work

Book at: http://www.waterboards.ca.gov/water_issues/programs/sso/docs/discharger_workbook.pdf

For training resources on Electronic Reporting and Sewer System Management Plans (SSMP), visit California Water Environment at: <http://www.cwea.org/et-ssowdr.shtml>

If you are not the Sewer System Overflow Program Contact for your agency and do not need to receive this type of email in the future, or for questions or help regarding email, enrollment or technical database help, contact our CIWQS Help Line staff at:

866-79-CIWQS (24977)

M - F (8am-5pm)

Email: sbssso@waterboards.ca.gov

For technical program and other questions related to the Statewide Sanitary Sewer Systems WDR, please contact:

Victor Lopez

Division of Water Quality / Statewide SSO Program

vlopez@waterboards.ca.gov (916) 323-5511

SBSSO - EMAIL REMINDER for City Of Oroville CS (5SSO10799) : SSO Compliance - Best viewed in HTML.

From: <sbsso@waterboards.ca.gov>
To: <wallsr@cityoforoville.org>, <teitelmanem@cityoforoville.org>, <westoverkr@cityoforoville.org>, <sbsso@waterboards.ca.gov>
Date: 1/31/2011 2:06 PM
Subject: EMAIL REMINDER for City Of Oroville CS (5SSO10799) : SSO Compliance - Best viewed in HTML.

TO: LEGALLY RESPONSIBLE OFFICIALS (LROs) ENROLLED UNDER THE STATEWIDE SANITARY SEWER SYSTEMS WDR (WATER QUALITY ORDER 2006-0003-DWQ)

This is a follow up email reminder for the auto-generated CIWQS compliance e-mail reminder sent on December 2, 2010.

Your State Water Board CIWQS records indicate that your collection system is enrolled under the Statewide Sanitary Sewer System Waste Discharge Requirements (Order No. 2006-0003-DWQ). Below are remaining outstanding issues identified in the CIWQS database system. Please use this email reminder as your main guide to resolve the issues identified below (disregard issues identified in the previous e-mail). Please review and address the deficiencies listed below within the next 45 days. Additional follow up e-mail reminders will be sent and will identify any outstanding issues remaining at the time the e-mail reminder is sent.

* Your collection system needs to report the spill(s) or No-Spill certification(s) for jun-08, Note: Your collection system still has to report a no-spill certification for a month if all reported spills for that month are Private Lateral spills.

To update your user information, including email, please log-into CIWQS and then click VIEW/CHANGE MY PERSONAL INFORMATION and MY EMAIL ADDRESS to change as necessary. Select SAVE CHANGES before exiting the screen.

For more information about the Statewide Sanitary Sewer Systems WDR, please visit:
http://www.swrcb.ca.gov/water_issues/programs/sso/

To assist you with learning more about SSO electronic reporting, please view the SSO Discharger Work Book at:
http://www.waterboards.ca.gov/water_issues/programs/sso/docs/discharger_workbook.pdf

For training resources on Electronic Reporting and Sewer System Management Plans (SSMP), visit California Water Environment at: <http://www.cwea.org/et-ssowdr.shtml>

If you are not the Sewer System Overflow Program Contact for your agency and do not need to receive this type of email in the future, or for questions or help regarding email, enrollment or technical database help, contact our CIWQS Help Line staff at:

866-79-CIWQS (24977)

M - F (8am-5pm)

Email: ciwqs@waterboards.ca.gov

For technical program and other questions related to the Statewide Sanitary Sewer Systems WDR, please contact:
Victor Lopez
Division of Water Quality / Statewide SSO Program
vlopez@waterboards.ca.gov (916) 323-5511

SBSSO - EMAIL REMINDER for City Of Oroville CS (5SSO10799) : SSO Compliance - Best viewed in HTML.

From: <sbsso@waterboards.ca.gov>
To: <wallsr@cityoforoville.org>, <teitelmanem@cityoforoville.org>, <westoverkr@cityoforoville.org>, <sbsso@waterboards.ca.gov>
Date: 3/28/2011 3:27 PM
Subject: EMAIL REMINDER for City Of Oroville CS (5SSO10799) : SSO Compliance - Best viewed in HTML.

TO: LEGALLY RESPONSIBLE OFFICIALS (LROs) ENROLLED UNDER THE STATEWIDE SANITARY SEWER SYSTEMS WDR (WATER QUALITY ORDER 2006-0003-DWQ)

This is the FINAL email reminder for the auto-generated CIWQS compliance e-mail reminder sent on December 2, 2010.

Your State Water Board CIWQS records indicate that your collection system is enrolled under the Statewide Sanitary Sewer System Waste Discharge Requirements (Order No. 2006-0003-DWQ). Below are remaining outstanding issues identified in the CIWQS database system. Please use this email reminder as your main guide to resolve the issues identified below. Please review and address the deficiencies listed below by May 9, 2011. State Water Board Staff may issue Notices of Violation after May 9, 2011 for failure to complete and timely certify any of the required Sewer System Management Plan elements, failure to complete and annually update the Collection System Questionnaire, and failure to report monthly No-Spill certifications or enter SSO spill reports. Please contact SSO Program Staff if you have trouble correcting any of the identified outstanding issues, or if you need additional clarification.

* Your collection system needs to report the spill(s) or No-Spill certification(s) for jun-08, Note: Your collection system still has to report a no-spill certification for a month if all reported spills for that month are Private Lateral spills. NOTE: You are only required to file spills or No-Spill certifications since reporting was required, as specified in the Sanitary Sewer Systems WDR (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).

To update your user information, including email, please log-into CIWQS and then click VIEW/CHANGE MY PERSONAL INFORMATION and MY EMAIL ADDRESS to change as necessary. Select SAVE CHANGES before exiting the screen.

For more information about the Statewide Sanitary Sewer Systems WDR, please visit:
http://www.swrcb.ca.gov/water_issues/programs/sso/

To assist you with learning more about SSO electronic reporting, please view the SSO Discharger Work Book at: http://www.waterboards.ca.gov/water_issues/programs/sso/docs/discharger_workbook.pdf

For training resources on Electronic Reporting and Sewer System Management Plans (SSMP), visit California Water Environment at: <http://www.cwea.org/et-ssowdr.shtml>

If you are not the Sewer System Overflow Program Contact for your agency and do not need to receive this type of email in the future, or for questions or help regarding email, enrollment or technical database help, contact our CIWQS Help Line staff at:

866-79-CIWQS (24977)

M - F (8am-5pm)

Email: ciwqs@waterboards.ca.gov

For technical program and other questions related to the Statewide Sanitary Sewer Systems WDR,
please contact:

Victor Lopez

Division of Water Quality / Statewide SSO Program

vlopez@waterboards.ca.gov (916) 323-5511

Sanitary Sewer Overflow (SSO) Technical Report

The City of Oroville (Discharger) is hereby requested to submit the following information concerning one reported SSO which occurred on December 20, 2009 (hereafter, SSO event), resulting into a backup of sewage into a commercial building at 3579 Oro Dam Road in Oroville, California. The SSO was reported by the discharger and was caused by an issue(s) within the Discharger's collection system.

Contents of SSO Technical Report

1.	Causes and Circumstances of Unauthorized Discharges (SSO):.....	1
2.	Discharger's Response to Unauthorized Discharges (SSO):.....	2
3.	Monitoring and Analysis of the Unauthorized Discharges (SSO):.....	2
4.	Impacts of the Unauthorized Discharges (SSO):.....	2
5.	Additional Information:	3
6.	Use of Registered Professionals:	3
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11.	SSO Technical Report Submittal.....	4

1. Causes and Circumstances of Unauthorized Discharges (SSO):

- a. A complete and detailed explanation of how and when the SSO event was discovered.
- b. A diagram showing the location(s) of the actual sewage overflow, including, but not limited to, the location(s) of surrounding storm drain inlet structure(s), building, storm drain pump station(s), name and location of impacted water(s), including discharge location(s) from all known asset(s) not owned or operated by the Discharger that were affected by the SSO event.
- c. A detailed report of the total volume of untreated sewage discharged from the SSO event, including the engineering method(s), diagram(s), model(s), reference(s), calculation(s) and assumption(s) used in estimating the total volume of untreated sewage discharged. Attach all copies of field response report(s), including any incident report(s) prepared by Oroville's crews, local fire department, and other agencies, as appropriate.
- d. A detailed description of the cause(s) for the SSO event, including information of any prior historical known SSO event(s) that occurred at the same location.
- e. Documentation discussing any historic, current, and/or proposed Operations and Maintenance (O&M) activities and/or capital improvement projects for the affected areas of the collection system causing the SSO event, such as, but not limited to, any upgrades to pipelines, changes to sewer structures and/or other changes for sewer assets.

Request for Information: City of Oroville (Discharger)

- f. Historical maintenance records for the past three years for any work performed on the affected area of the collection system causing the SSO, including any closed-circuit television (CCTV) records and videos, and/or results for the upstream and downstream pipelines of SSO location and corresponding actions taken to prevent any future SSO.

2. Discharger's Response to Unauthorized Discharges (SSO):

- a. A detailed chronological narrative description of all actions taken by the Discharger for the SSO event to terminate the discharge, including any bypassing and/or other mitigation efforts to reduce the impacts from the unauthorized discharge. The narrative description is to include an evaluation of the results of the actions taken by the Discharger.
- b. A description for the SSO event and description of how procedures in the Discharger's Overflow Emergency Response Plan were implemented and utilized for SSO response and mitigation, including any planned changes or upgrades to the Overflow Emergency Response Plan following the SSO event.
- c. A detailed description of any future corrective action(s) to be taken by the Discharger to address the SSO event, including any update(s) of the status of repairs, documentation of associated costs involved in project(s), source(s) of funding, and plans and specifications for any proposed mitigation(s) and/or repair(s).
- d. A diagram of the affected surface water body for the SSO event, showing the areas of these waters that were closed or restricted to the public as a result of the untreated sewage discharge, including the dates these areas were closed to public use and communication logs/information with state and local regulatory agencies.
- e. Copies of any field response documents completed during and after each SSO event, including site photos, interview notes, and other relevant information used to support overflow calculations, including any information known regarding sewer backups into any other structure(s).
- f. A list of any other SSO(s) that occurred within 1,000 feet of 3579 Oro Dam Road 12 calendar months prior to the SSO event.

3. Monitoring and Analysis of the Unauthorized Discharges (SSO):

- a. A description of all water quality sampling activities in response to the SSO event, conducted by the Discharger or other agencies associated with the sewage spill, analytical results, and an evaluation of the results.
- b. A description of the Discharger's accelerated or additional monitoring provisions developed as part of the Discharger's Overflow Emergency Response Plan.
- c. A detailed location map for any subsequent water quality sampling and reference points for the SSO event.

4. Impacts of the Unauthorized Discharges (SSO):

- a. An assessment of the potential short and long term impacts of the discharges on public health, animal and plant communities (including sensitive and/or endangered species), and on the overall ecosystem downstream of the discharge. The assessment should include:

Request for Information: City of Oroville (Discharger)

- i. A summary of all threatened and endangered species located downstream of the SSO discharge site(s).
 - ii. A description of all observations and sampling activities conducted by or on behalf of the Discharger associated with potential short-term and long-term impacts to human health, vegetation and wildlife from the spill and an evaluation of these impacts.
- b. The assessment should be prepared by a technical professional qualified to evaluate the short and long term impacts of the discharge on ecological receptors.
 - c. A detailed discussion of the Discharger's efforts to date to obtain the necessary permits, develop mitigation plans, and restore any environmental impacts as a result of the untreated sewage discharge. This discussion should include any correspondence or applications submitted to other resource/regulatory agencies.

5. Additional Information:

- a. All records relevant to the SSO event including but not limited to collection system service call records, pump station records, logs of incoming complaints received from customer(s) including contact information, and maintenance records, including any invoices received by outside contractors conducting maintenance, cleaning, and/or repairs, to portion(s) of the collection system within 1,000 feet of the location of the SSO event, within 24 calendar months prior to the SSO event.
- b. Any other pertinent information that will assist the State Water Board in evaluating the nature, circumstances, extent, and gravity of the untreated sewage discharges from the SSO event.

6. Use of Registered Professionals:

- a. We request that any reports/data prepared in response to this request be prepared under the direction of appropriately qualified and registered professionals, including any engineering or geologic evaluations. A statement of qualifications and registration number(s) of the responsible lead professional should be included in the technical report.

7. Laboratory Qualifications:

- a. All analyses provided in the technical report should be conducted at a laboratory certified to perform such analyses by the California Department of Public Health (CDPH).

8. Laboratory Analytical Reports:

- a. Any report presenting new analytical data should include the complete laboratory analytical report(s). The laboratory analytical report should be signed by the laboratory director and contain the following statement:

"All analyses were conducted at a laboratory certified for such analyses by the CDPH in accordance with current procedures approved by the United States EPA."

9. Signatory Requirements:

- a. The technical report shall be signed and certified by either a principal executive officer, ranking elected official, or the person with overall responsibility for environmental matters for the Discharger. Additional reports submitted in support of the technical report must be signed by the principal author.

10. Certification Statement:

- a. Any person signing the technical report shall make the following certification:

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

11. SSO Technical Report Submittal

- a. Please submit the SSO Technical Report to:
James Fischer, P.E.
Water Resources Control Engineer
Office of Enforcement / Special Investigations Unit
State Water Resources Control Board
1001 I Street, 16th Floor, Sacramento, CA 95814

End of Contents