

**California Regional Water Quality Control Board
Central Valley Region
Pamela Creedon, Executive Officer**



**EXECUTIVE OFFICER'S REPORT
January 31/February 1, 2013**

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SUCCESS STORIES

1. Enforcement Orders Rescinded

At the December 2012 Board meeting, the Board rescinded formal enforcement orders for the following NPDES wastewater treatment facilities:

- a. City of Colusa: In 2002, the Board adopted a Cease and Desist Order requiring that the wastewater treatment plant be upgraded to meet certain effluent limits. In 2007, the Board adopted a Time Schedule Order which extended the timeline for the upgrade. In 2008, the City documented that it had spent over \$15 million to build a new treatment plant, and as of 2010, the City is complying with its effluent limits.
- b. City of Nevada City: In 2002, the Board adopted a Cease and Desist Order requiring upgrades to the wastewater treatment plant to meet certain effluent limits. In 2003, the CDO was amended to require compliance by April 2007. As of June 2008, the City spent \$5.5 million to upgrade its wastewater treatment plant and is complying with its effluent limits.
- c. City of Williams: In 2007, the Board adopted a Time Schedule Order and in 2008, adopted a Resolution, both of which required the City to upgrade its treatment plant to meet effluent limits. The City spent over \$23 million to construct a new treatment plant which was completed in June 2011. As of January 2012, the City is complying with its effluent limits.
- d. City of Yuba City: In 2003, the Board adopted a Cease and Desist Order requiring compliance with certain effluent limits. The Order was appealed to State Board, as was the 2007 NPDES permit. The City has made facility improvements, and as of mid-2011, is complying with the effluent limits in its recent permit.
- e. River Highlands: In 2002, the Board adopted a Cease and Desist Order requiring the Discharger to comply with certain effluent limits by 2007. In 2006, the Discharger stopped operating the wastewater treatment plant. The Board issued a Cleanup and Abatement Order requiring River Highlands to stop discharging improperly treated waste to surface waters, and referred the case to the Attorney General. After a significant effort by many parties, a new wastewater treatment plant was constructed and is being operated by new legal entities. As of July 2012, River Highlands is meeting its effluent limits.
- f. Walnut Grove: In 2008, the Board adopted a Time Schedule Order requiring compliance with effluent limits by 2010. The Sacramento Area Sewer District determined that it would be most cost effective to connect the Walnut Grove plant to the Sacramento Regional wastewater treatment plant. In late 2010, the pipeline was completed and the Walnut Grove plant has been decommissioned.
- g. Thunder Valley Casino: In 2005, the Board adopted a Cease and Desist Order requiring compliance with certain effluent limits by March 2008. As of August 2009, the Discharger complied with the effluent limits in its 2005 NPDES permit.
- h. UC Davis: In 2003, the Board adopted a Cease and Desist Order, and in 2004, adopted an amendment to the CDO. The Orders required compliance with certain effluent limits by 2007. As of July 2012, UC Davis complies with the specific limits.

2. City of Colfax Wastewater Treatment Plant Pond Lining Project Completion, Placer County

In December 2011, The Central Valley Water Board issued a Cease and Desist Order to the City of Colfax's wastewater treatment plant. The Order required, in part, that the City drain and line its 64 million gallon wastewater storage pond to eliminate seepage from the base of the dam. The City completed construction of the Pond 3 liner on 16 November 2012, ahead of the CDO requirement of 30 November 2012.

3. Improvements at the Bonzi Sanitation Landfill, Stanislaus County

Between 1967 and 2009, waste material was accepted at the Bonzi Sanitation Landfill and placed into four unlined waste management units that intersect groundwater. Since 1984, when groundwater monitoring began, monitoring reports have consistently shown detectable levels of volatile organic

compounds (VOCs) within the groundwater beneath the site. This is a major concern for the Riverdale community, whose municipal drinking water supply well is completed within the same aquifer just 500 feet downgradient of the landfill. Since 1991, the landfill has operated a groundwater extraction system and landfill gas collection system, but it has run sporadically at best. Consequently, in an effort to protect water quality and public health, the Central Valley Water Board issued multiple enforcement orders to define the extent of the groundwater plume, enhance the landfill's corrective action systems, complete site closure, implement post closure maintenance, and adequately fund the financial assurance accounts. However, as soon as the facility ceased operations, the owners walked away from the site and took no further actions to implement site closure or operate the groundwater and gas extraction systems.

The facility was referred to the State Attorney General for a coordinated enforcement action between the Central Valley Water Board, the State Water Board's Office of Enforcement, and the California Department of Resource Recovery and Recycling. Since the coordinated enforcement began, there have been some significant accomplishments in protecting human health as well as water quality. First, the State Attorney General has been able to recover monetary assets from the Bonzi's recent property sales; these funds will help fund the financial assurance accounts. Last month, CalRecycle completed a \$2.2 million dollar project to install an interim two foot engineered cover. The project began by moving 100,000 cubic yards of waste material that had been placed illegally at the site. The success of the waste removal/interim cover placement project was achieved by numerous meetings between Water Board and Cal Recycle staff where compliance issues were discussed and evaluated prior to initiating the field work. To better address the environmental justice issues with this site, staff coordinated with the State Water Board's Office of Public Participation to enhance public awareness of the site closure status in the adjacent Riverdale community. Third, staff has also secured funds from the State's Cleanup and Abatement account to hire a third party consultant to evaluate the long term threat to the Riverdale community drinking water supply well. This project will begin this spring and conclude next December. Fourth, additional projects which have seen significant improvement since the site closed include the overhauling of the groundwater treatment system; the management of the wastewater pond and the adjacent land application area; enhanced site security; and an effort to improve landfill gas control. And finally, the Attorney General is continuing with its case against the Bonzi's in an attempt to secure sufficient funding to construct the final cover and continue operating the corrective action systems.

4. **Remediation of an Ammonium Nitrate Spill, 8655 North Jack Tone Road, San Joaquin County.**
A tank containing at least 486 gallons of calcium ammonium nitrate toppled off a tower of pallets and discharged its contents into a walnut orchard, killing three trees and injuring two others. The release did not affect groundwater or surface water. The ammonium nitrate was remediated in-situ by mixing mulch into the affected soil to biologically convert nitrate and ammonium to nitrogen gas. Confirmation sampling showed that about six months after the mulch was incorporated, one of nine confirmation samples exceeded the cleanup goal for nitrate and ammonium, and the site was granted no further action, on the expectation that the remaining nitrogen would be degraded within the year.
5. **Hydra Hume Release Remediated, Helena Chemical Company, 6788 Colusa Highway, Sutter County.** About 3,500 gallons of Hydra Hume, which is a mixture of water, ammonium, and humic acid extract, was released to soil when a tank was punctured at the facility. Contaminated soil was excavated, and sudan grass was planted in the excavated area to take up the residual nitrogen. About 99% of the nitrogen was removed, and a no further action determination was made with the understanding that any remaining nitrogen would continue to be degraded in place. Groundwater was not affected.
6. **Former Dry Cleaner PCE Release Remediated, 231 Colfax Avenue, Grass Valley, Nevada County**
A release of dry cleaning solvent at the former Spruce Cleaners resulted in low levels of PCE contamination in groundwater. Monitoring showed that the PCE was naturally degrading and that water quality objectives would be met in a reasonable time frame. However, indoor air sampling showed that the air inside the building contained PCE above levels considered safe for human occupation. The responsible party consequently removed the concrete slab foundation, excavated contaminated soil and installed a sub-slab vent system. Following these actions, groundwater beneath the site did not contain PCE above detection limits and indoor air quality was suitable for human occupancy. A No Further Action letter was issued on 3 December 2012.
7. **Former Beacon Pipeline and Loading Rack, 5th Street and 11th Avenue, Hanford, Kings County** A no further action determination was issued for the former Beacon Pipeline and Loading Rack site on 14

November 2012. Beacon Oil Company operated a loading rack near the northwest corner of 5th Street and 11th Avenue in Hanford, Kings County. The loading rack was periodically used to fill railroad cars with diesel fuel. The loading rack is west and upgradient of a large plume of diesel impacted groundwater. A soil and groundwater investigation was performed in 2011 and 2012. The investigation found only low concentrations of petroleum hydrocarbons. The case was closed as low risk.

8. **Livingston Auto Sales, 1745 C Street, Livingston, Merced County**

A no further action determination was issued for Livingston Auto Sales on 21 December 2012. Minor maintenance of vehicles on the property resulted in spillage of waste oil to soil. Initial soil sampling conducted by Merced County Environmental Health indicated possible petroleum hydrocarbon impacts to soil. The suspected area of impact was excavated to a depth of approximately one foot below grade. Confirmation samples at the bottom of the excavation found non-detect concentrations of petroleum hydrocarbons. Composite sampling of the excavated soil detected concentrations of petroleum hydrocarbons that were well below the San Francisco Bay Area Regional Water Quality Control Board residential Environmental Screening Levels. As such, the material did not appear to be a threat to the environment or human health and the excavated soil was returned to the excavation. A closure letter was issued on 21 December 2012.

9. **No Further Action Required - Underground Storage Tanks (UST)**

Following are sites where Board staff determined that investigation and remediation work may be discontinued and that no further action is required. Further, any residual hydrocarbons remaining do not pose a threat to human health and safety or anticipated future beneficial uses of water. This determination is based on site-specific information provided by the responsible party, and assumes that the information provided was accurate and representative of site conditions. Article 11, Division 3, Chapter 16, Title 23 of the California Code of Regulations requires public notification when the Board determines that corrective actions have been completed and that no further action is required at a leaking underground storage tank site. This document serves to provide public notification.

For more information regarding a site, the appropriate office personnel should be contacted: Fresno (559) 445-5116, Redding (530) 224-4845, and Sacramento (916) 464-3291.

a) **FRESNO OFFICE**

• **Rumbley Property, 2160 South Van Ness Avenue, Fresno**

A UST system was removed from the site in 1985. Investigation of soil and groundwater began in 1995 and found soil and groundwater had been impacted by petroleum hydrocarbons. Soil vapor extraction performed between 2009 and 2012 removed 50,000 pounds (~8,000 gallons) of petroleum fuel. No petroleum hydrocarbons have been detected in groundwater since 2007. The case was closed on 13 December 2012.

• **U-Save Mart #3, 2576 North Hughes Avenue, Fresno**

The site is an active retail fueling facility. A release of petroleum product was discovered in March 2000. Three monitoring wells were installed onsite in July 2005 and low concentrations of gasoline constituents were initially detected. Recently collected groundwater samples did not detect any gasoline constituents. Clean-up of the subsurface soils, using soil vapor extraction performed from October 2009 to December 2010, has been estimated to have removed over 5,800 pounds (~900 gallons) of gasoline. The case was closed on 5 December 2012.

b) **REDDING OFFICE**

• **A.D. Richins, Former Automotive Service Station, Gridley, Butte County**

In 2002, the Discharger found petroleum in soils during UST removals. In 2004, the Discharger drilled three borings; these encountered weathered, non-oxygenated gasoline constituents in shallow groundwater. Therefore, Butte County Environmental Health Division referred the case to the Water Board. Follow-up reviews of excavation records and technical analyses indicate limited remaining threats to human health and the environment. Therefore, staff recommended no further action under State Board Resolution No. 2012-0016, the low-threat closure policy. No interested party comments were received and the case was closed.

- **Former USA Service Station No. 204, UST Case #040144, Paradise, Butte County**
An unauthorized release was discovered in 1995 when three 15,000-gallon USTs, two fuel pump islands, and associated product piping were removed from the site. Approximately 1,175 cubic yards of contaminated soil were removed during two separate excavation events; one in October 1995 and one in August 2012. As a result, most adsorbed and dissolved mass has been removed. Only gasoline range organics and benzene concentrations remain above applicable water quality objectives, however, concentrations are likely to degrade to negligible levels within a reasonable time. Due to the lack of sensitive receptors, there is little risk to human health. The site was closed on 30 November 2012.

c) **SACRAMENTO OFFICE**

Lake County

- **Pete's Automotive, 1665 South Main Street, Lakeport**
The site is an automotive repair facility that previously operated two underground storage tanks which were removed in 2005. During tank removal, soil contamination was detected and subsequent investigation and cleanup work occurred from 2005 until 2012. Initial contaminant mass released was estimated to be about 158 pounds (~25 gallons) and excavation removed about 13 pounds (~2 gallons) of that mass. Groundwater results collected in March 2011, were above water quality objectives in only one well and trend analysis indicate that water quality will be restored for beneficial use in about 34 years. All site monitoring wells were abandoned in May 2012. The case was closed on 1 November 2012.
- **Notts Liquor, 14772 Lakeshore Drive, Clearlake**
The site is fueling station and liquor/convenience store that currently operates three underground storage tanks. During tank modification work, soil contamination was detected and subsequent investigation and cleanup work occurred from 1997 until 2012. Initial contaminant mass released was estimated to be about 3,132 pounds (~500 gallons) and excavation, soil vapor extraction, and air sparging removed about 2,514 pounds (~400 gallons) of that mass. The residual plume has been shown to be stable and decreasing in size and concentration. Beneficial use of the underlying groundwater is expected to be restored within 3 years. All site monitoring wells were subsequently abandoned in May 2012. The case was closed on 9 November 2012.

Placer County

- **Mussetter Property, 1070 Highway 49, Auburn**
In August 1995, two 1,000-gallon diesel USTs were excavated and removed from the site. Although elevated petroleum hydrocarbon concentrations were once detected in soil, confirmation soil, soil gas and groundwater samples collected in November 2011 show that no petroleum constituents remain above detection limits. Soil excavation and natural attenuation appear to have removed about 50 pounds (~8 gallons) of petroleum fuel from the subsurface and less than a pound is estimated to remain. The site's own domestic well is adjacent to the former UST excavation, and the closets downgradient well to the site is 300 feet away. However, no petroleum constituents were ever detected in multiple groundwater samples collected from both wells. The site was closed on 5 November 2012.
- **Jansen Property, 395 G Street, Lincoln**
In February 1988, samples collected from the site showed that an unauthorized release of petroleum fuel had impacted soil and groundwater. Between September and October 1994, three 10,000-gallon gasoline USTs, three 550-gallon gasoline USTs, a 550-gallon used oil UST, and a 200-gallon unknown use UST, along with all associated dispensers, product lines and two hydraulic lifts were removed from the Site. Remedial work has removed about 2,080 pounds (341 gallons) of petroleum from the Site, and less than 180 pounds (30 gallons) are estimated to remain. The petroleum plume is defined, attenuating, and water quality is expected to be restored within the next 85 years. The Site was closed on 28 November 2012.

San Joaquin County

- **New West Petroleum #1003 (AKA Flag City Shell), 6437 Banner Street, Lodi**
In March 2002, groundwater monitoring at a nearby UST site indicated an MTBE groundwater plume was advancing from this Site. Additional monitoring wells closer to the Site confirmed a release had occurred. Due to impacts to groundwater, the San Joaquin County Environmental Health Department (SJCEHD) required an investigation, which revealed an MTBE plume in groundwater that was threatening a nearby municipal supply well. In June 2006, the SJCEHD transferred the case to the Regional Water Board. Cleanup and Abatement Order R5-2007-0709 was issued by the Executive Officer in April 2007. Groundwater pump and treatment continued from September 2006 until April 2011, when declining concentrations and a shrinking plume made remediation no longer necessary to protect the municipal well. Prior to treatment, approximately 260.5 lbs. of hydrocarbons were present in groundwater. Approximately 0.62 lbs. of hydrocarbons remain in groundwater. The monitoring wells were destroyed in November 2012. The UST case was closed and the CAO was rescinded by the Executive Officer on 21 December 2012.
- **Stockton Truck Terminal, 2005 Navy Drive, Stockton**
In March 1987, one 12,000-gallon diesel and one 1,000-gallon waste oil USTs were removed from the site. Confirmation soil samples taken beneath the USTs indicated a release had occurred. Due to impacts to soil and groundwater, the San Joaquin County Environmental Health Department (SJCEHD) required an investigation, which revealed petroleum hydrocarbons and chlorinated solvents in groundwater. In September 2010, the SJCEHD transferred the USTs case to the Regional Water Board. Further investigation determined the extent of the petroleum hydrocarbons and demonstrated that the chlorinated solvents were not related to the USTs. Approximately 24 gallons of hydrocarbons remain in soil and 0.14 gallons remain in groundwater. The monitoring wells were destroyed in November 2012. The UST case was formally closed on 21 December 2012.

Yolo County

- **Esparto Corporation Yard, 26981 Wood Avenue, Esparto**
The Site is a county storage yard. In May 1995 USTs for diesel and gasoline and associated piping and dispensers were removed. About 230 pounds (~40 gallons) of petroleum hydrocarbons were removed and about 15 pounds (2 gallons) remained in soil. Laboratory data indicated petroleum hydrocarbons were degrading through natural attenuation processes, and MtBE is estimated to reach water quality objectives by July 2012. On 20 September 2012 all groundwater monitoring wells were destroyed. Therefore, on 18 October 2012 a NFAR letter was issued for closure of this case.

Local Agency UST Closures with Concurrence of Board Staff

Sacramento County

- Arco Station #2166, 1855 Watt Avenue, Sacramento
- Circle K Store #5423, 7796 Sunrise Boulevard, Citrus Heights
- Tesoro Service Station #67096 (Former Beacon #3603), 10299 Folsom Boulevard, Rancho Cordova
- 1125 I Street Commercial Property, 1125 I Street, Sacramento
- Chevron Service Station #9-1295, 1814 Broadway (AKA 1828 Broadway), Sacramento

San Joaquin County

- Eckert Cold Storage, 757 Moffat Boulevard, Stockton
- Former BP Oil Company Service Station #11191, 1469 East Hammer Lane, Stockton
- Former BP Oil Company Service Station #11193, 3202 West Hammer Lane, Stockton
- Former BP Oil Company Service Station #11195, 16500 Harlin Road, Lathrop
- Former Mobil Service Station #99-ACA, 25355 North Highway 99, Acampo
- Former Victor Road Shell, 880 East Victor Road, Lodi
- Port of Stockton, 2201 West Washington Street (Port Road), Stockton
- Quik Stop Market No. 132, 3555 West Hammer Lane, Stockton

COMPLIANCE AND ENFORCEMENT

1. **Administrative Civil Liability Order R5-2012-0566 Issued to the City of Grass Valley for Sanitary Sewer Overflows.** On 4 December 2012, the Assistant Executive Officer issued ACL Order R5-2012-0566 to the City of Grass Valley. This Order resolves the violations charged in ACL Complaint R5-2012-0537 for four sanitary sewer overflows. The spills totaled 71,510 gallons over a period of six days between October 2011 and March 2012. The 19 October 2011 spill was due to human error during upgrades at the Joyce Drive lift station. When the crew left for the night, a power switch was not turned on. Therefore, the lift station pumps were unable to operate. In addition, the battery backup system for the auto dialer did not function due to corrosion on the battery terminals. The March 2012 spills were a result of a large rain event that led to excess infiltration that exceeded the sewer system's capacity. The ACL Order assesses a penalty of \$110,850, of which \$55,425 is to be paid to the State Cleanup and Abatement Account. The remaining \$55,425 will be permanently suspended pending completion of an Enhanced Compliance Action to purchase a large capacity vacuum/jet truck to allow the City to better respond to sanitary sewer overflows. The truck is to be purchased by 31 August 2013.
2. **ACL Order issued to the City of Colfax, Wastewater Treatment Plant, Placer County**
On 7 January 2013, the Assistant Executive Officer issued an Administrative Civil Liability Order in the amount of \$33,000 to the City of Colfax for violations of Waste Discharge Requirements Order R5-2007-0130. The effluent violations were for copper, turbidity, bis (2-ethylhexyl) phthalate, mercury, total coliform, and aluminum. The City of Colfax is a small community with financial hardship; therefore, the Order allows \$18,980 of the penalty to be applied to compliance projects. The remaining \$14,020 of the penalty is payable to the State Water Board's Cleanup and Abatement Account to settle the matter.
3. **\$663,000 in Mandatory Minimum Penalty ACL Complaints Issued**
On 10 January 2012, the Executive Officer issued 12 Administrative Civil Liability Complaints which assess mandatory minimum penalties for effluent limit violations and reporting violations. The Dischargers may either pay the penalty within 30 days, request to enter into settlement discussions, or request a hearing before the Board. The following Administrative Civil Liability Complaints were issued:
 - a. The City of Roseville was assessed \$54,000 for violations of its coliform effluent limit which occurred between January 2009 and October 2012 at its Pleasant Grove Wastewater Treatment Plant.
 - b. Placer County was assessed \$111,000 for violations of its nitrate, aluminum, chloroform, coliform, total suspended solids, and mercury effluent limits which occurred between April 2011 and October 2012 at its SMD-1 wastewater treatment plant.
 - c. Placer County was assessed \$192,000 for violations of its BOD, pH, aluminum, ammonia, dibromochloromethane, dichlorobromomethane, and turbidity effluent limits which occurred between June 2011 and October 2012 at its SMD-3 wastewater treatment plant.
 - d. The Sacramento Regional County Sanitation District was assessed \$21,000 for violations of its manganese, copper, dichlorobromomethane, bis(2-ethylhexyl)phthalate, and chlorine effluent limits which occurred between May 2008 and August 2012 at its wastewater treatment plant.
 - e. The City of Lodi was assessed \$9,000 for violations of its ammonia and coliform effluent limits which occurred between April 2009 and September 2012 at its White Slough wastewater Treatment Plant.
 - f. The Linda County Water District was assessed \$123,000 for violations of its zinc, pH, chloroform, organochlorine pesticides, dichlorobromomethane, BOD, total suspended solids, electrical conductivity, chlorine, and coliform effluent limits which occurred between December 2010 and August 2012 at its wastewater treatment plant.

- g. The City of Woodland was assessed \$45,000 for violations of its selenium, ammonia, and coliform effluent limits which occurred between April 2011 and June 2012 at its Water Pollution Control Facility.
- h. The City of Turlock was assessed \$3,000 for violations of its chlorine and pH effluent limits which occurred between December 2010 and August 2012 at its Regional Water Quality Control Facility.
- i. The City of Davis was assessed \$3,000 for violations of its coliform, copper, and chlorine effluent limits which occurred between August 2010 and September 2012 at its wastewater treatment plant.
- j. The University of California Davis was assessed \$3,000 for violations of its coliform and ammonia effluent limits which occurred between October 2010 and August 2012 at its Main Wastewater Treatment Plant.
- k. The San Francisco Public Utilities Commission was assessed \$51,000 for chlorine effluent limit violations and the failure to submit monitoring reports for the period of January 2011 through August 2012. The violations took place at the Pelican Crossover Project in Stanislaus County, which was regulated under the Waste Discharge Requirements for Dewatering and Other Low Threat Discharges to Surface Waters (Low Threat General Order).
- l. The City of Placerville was assessed \$18,000 for the failure to submit monitoring reports for the time period of May 2011 through May 2012. The reports were required for discharges from the City's potable water system, which is regulated under the Waste Discharge Requirements for Dewatering and Other Low Threat Discharges to Surface Waters (Low Threat General Order).

Enforcement Update

The Central Valley Water Board continued to have a productive enforcement period since the last report at the December Board meeting. Since the last report enforcement staff in our core regulatory programs issued a number of informal actions for minor violations, such as 47 Notices of Violations, ten Notices to Comply, and nine staff enforcement letters following the Water Boards' progressive enforcement approach. Staff issued ten 2nd Annual Report Notice of Non-Compliance to industrial storm water permittees who failed to submit their annual reports on time. Staff also issued 53 oral warnings between 1 November and 31 December.

In addition, staff took formal enforcement against core regulatory permittees who had major violations of their permits. In those cases, staff issued one Cleanup and Abatement Order, one Cease and Desist Order, one 13267 Directive Orders or letters to bring them into compliance. Staff also issued monetary penalty actions, such as four Administrative Civil Liability (ACL) Orders or Complaints for a total of \$1,660,701 in liabilities.

California Integrated Water Quality System Project (CIWQS)															
ENFORCEMENT ACTIONS BY REGION/PROGRAM/ACTION															
Here is your Customized Enforcement Actions by Region/Program/Action Report!															
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SEARCH CRITERIA: [REFINE SEARCH] Status (Active, Historical, Withdrawn) Occurred on or after 11/01/2012 Occurred on or before 12/31/2012															
RB OFFICE	13267	1st_NNC	2nd_NNC	ACL	CAO	CDO	EPL	NNC	NOV	NSNC	NTC	SEL	TSO	VER	TOTAL*
1	0	0	0	2	0	1	0	0	3	0	0	0	0	0	6
2	0	0	0	4	1	0	2	0	13	0	0	1	0	1	22
3	0	0	0	1	0	0	0	0	4	0	0	1	0	0	6
4	2	0	0	6	0	0	3	11	20	0	3	1	2	1	49
SF	0	0	17	0	1	0	0	0	23	0	0	0	0	6	47
SR	0	0	0	1	0	1	0	0	3	0	0	9	0	37	51
SS	1	0	0	3	0	0	0	0	21	0	10	0	0	10	45
BT	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
6V	2	0	0	0	0	0	0	0	5	0	0	4	0	3	14
7	1	71	1	0	0	0	0	0	0	0	0	1	0	0	74
8	0	2	19	1	0	0	0	4	2	1	0	6	0	42	77
9	0	0	16	2	0	0	0	0	0	0	0	3	0	7	28
STATEWIDE*	6	73	53	20	2	2	5	15	94	1	13	26	2	108	420

ENFORCEMENT ACTION LOOKUP:		
13267 = 13267 Letter	13267 = 13267 Letter/Order	1st_NNC = 1st Annual Report Notice of Non-Compliance
2nd_NNC = 2nd Annual Report Notice Noncomp	ACL = Admin Civil Liability	CAO = Clean-up and Abatement Order
CDO = Cease and Desist Order	EPL = Expedited Payment Letter	NNC = Notice of Stormwater Noncomp
NOV = Notice of Violation	NSNC = Notice of Stormwater Noncomp	NTC = Notice to Comply
SEL = Staff Enforcement Letter	TSO = Time Schedule Order	VER = Oral Communication
VER = Verbal Communication		

* Columns or Rows count distinct instances of Enforcement Actions.

Overall, when looking from a statewide perspective, our Regional Board issued approximately 34% of the total count of statewide enforcement actions in the core regulatory programs during this period.

NEW! Preliminary 2012 Annual Enforcement Report Review

The Central Valley Water Board oversees currently the compliance of approximately 40,000 individual dischargers or facilities covered by various permitting measures via ten major (core and non-core) regulatory programs. The following graphs are based on information contained in CIWQS tracking the core regulatory programs¹ through the 2012 calendar year. Some of the formal enforcement actions, such as Administrative Civil Liabilities (ACL complaints or orders), are tracked in CIWQS for all programs, so they are counted in the following chart.

2012 was another outstanding year for the Central Valley Water Board's enforcement activities despite the resource challenges faced in the recent years. These enforcement actions resulted in significant amounts of pollutants not being released in the environment, significant new water quality controls installed or upgraded, and significant behavioral change for a number of the dischargers. These activities also sent a clear message about the stand of the Central Valley Water Board in protecting the quality of the region's waters. It is significant to note that Central Valley Water Board's contribution represents close to 47% of the statewide overall count, with substantial contributions in a number of areas, such as ACLs, TSOs, CAOs, CDOs.

California Integrated Water Quality System Project (CIWQS)																			
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Status (Active, Historical, Withdrawn) Occurred on or after 01/01/2012 Occurred on or before 12/31/2012																			
RB OFFICE	13267	1st_NNC	2nd_NNC	ACL	CAO	CDO	EPL	NNC	NOV	NSNC	NTC	RAG	RDA	SEL	SETCO	TSO	UNK	VER	TOTAL*
1	0	70	17	12	4	4	2	0	33	0	0	0	1	11	0	0	0	0	154
2	0	0	0	24	3	0	19	0	87	0	1	1	0	37	0	0	0	10	182
3	0	70	0	10	0	0	0	0	33	0	0	0	0	32	1	0	0	1	147
4	20	421	0	30	1	1	13	54	235	0	37	0	0	79	1	4	1	9	906
5F	15	64	17	16	2	1	1	0	141	2	1	0	0	298	0	1	0	59	618
5R	7	23	0	5	2	1	0	4	47	0	0	0	0	65	0	5	0	54	213
5S	84	139	1	37	7	4	0	1	392	0	10	0	0	12	0	7	5	627	1,326
6T	2	0	0	19	0	1	0	0	3	0	1	0	0	10	0	0	0	17	53
6V	3	0	0	3	3	1	0	0	20	0	0	0	0	17	0	0	0	32	90
7	1	104	1	9	1	1	0	0	10	0	0	0	0	36	0	0	0	0	163
8	0	156	55	5	0	0	0	81	11	1	0	0	0	34	0	0	2	166	511
9	31	33	16	3	1	0	5	0	29	0	0	0	0	124	0	0	0	14	256
STATEWIDE*	164	1,080	107	174	25	14	40	140	1,049	3	50	1	1	755	2	17	8	989	4,619

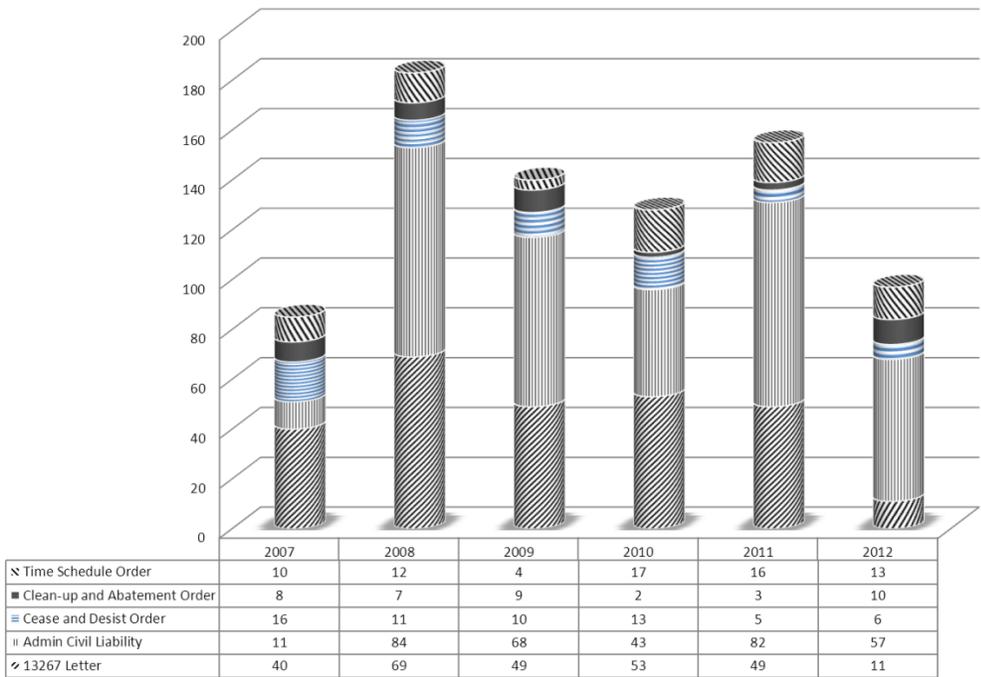
ENFORCEMENT ACTION LOOKUP:		
13267 = 13267 Letter	13267 = 13267 Letter/Order	1st_NNC = 1st Annual Report Notice of Non-Compliance
2nd_NNC = 2nd Annual Report Notice Noncomp	ACL = Admin Civil Liability	CAO = Clean-up and Abatement Order
CDO = Cease and Desist Order	EPL = Expedited Payment Letter	NNC = Notice of Stormwater Noncomp
NOV = Notice of Violation	NSNC = Notice of Stormwater Noncomp	NTC = Notice to Comply
RAG = Formal Refer to Attorney Gen	RDA = Referral to District Attorney	SEL = Staff Enforcement Letter
SETCO = Settlement - Court Order	TSO = Time Schedule Order	UNK = Unknown
VER = Oral Communication	VER = Verbal Communication	

* Columns or Rows count distinct instances of Enforcement Actions.

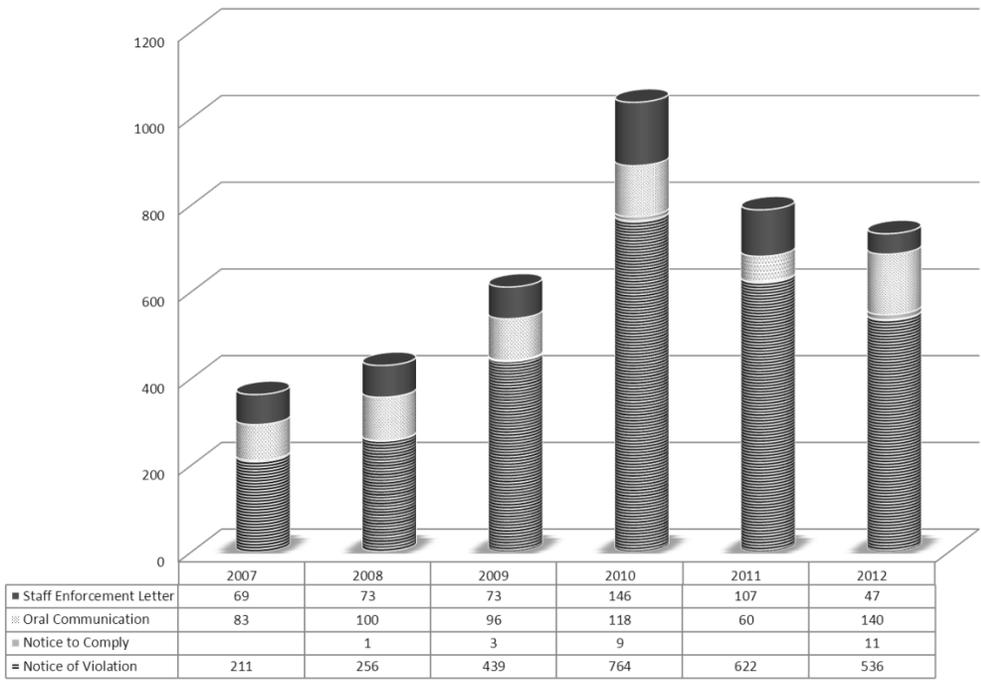
In addition, a brief overview of the last six years' work in enforcement, demonstrates the exceptional effort made in this programmatic area. In the last six years, more than 72 CDOs, 39 CAOs, 61 CDOs, 345 ACLs, and 271 13267 orders have been issued. Also more than 2,800 NOVs, 515 SELs, and other informal actions have been processed.

¹ The five core regulatory programs are: NPDES Wastewater, NPDES Storm Water, Wetlands and 401 Certification, Non 15 Waste Discharge Requirements, Title 27 Land Disposal. The construction and industrial components of the NPDES Storm Water program are now tracked in SMARTS module. In addition, in the other programs, such as Underground Storage Tanks, Irrigated Lands Regulatory Program and Site Cleanup, enforcement actions are not tracked in the Water Boards' main California Integrated Water Quality System (CIWQS) database, staff have also issued numerous enforcement actions in these programs since the last report.

Formal Enforcement Actions per Calendar Year (as of 1 January 2013)

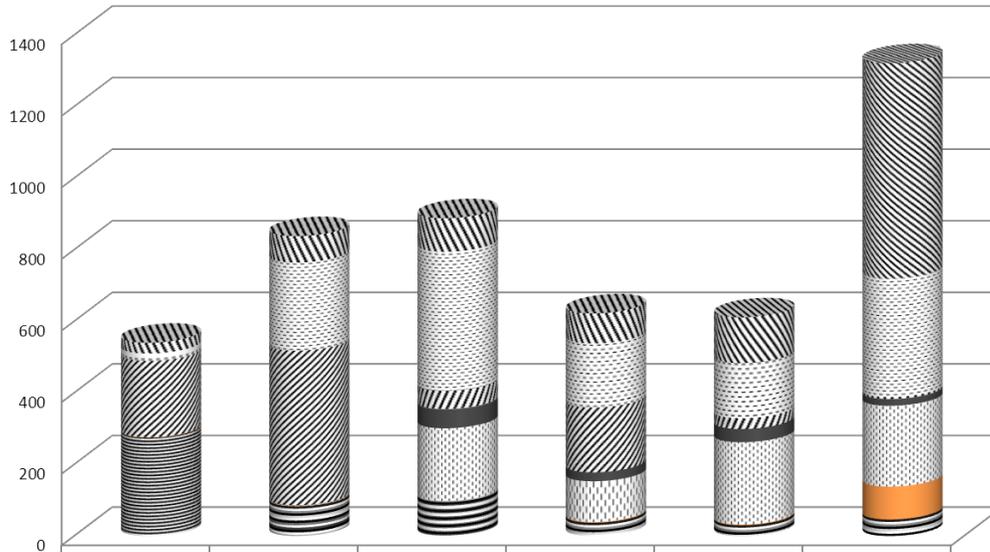


Informal Enforcement Actions per Calendar Year (as of 1 January 2013)



Furthermore, as explained in the previous EO Reports, the Storm Water Program (construction and industrial facilities) transitioned to a new data module named SMARTS (Storm Water Multi-Application, Reporting, and Tracking System) in order to allow the handling of the specific needs of the program. The following graph illustrates data available in SMARTS for the 2007 to 2012 period. Some of the formal enforcement actions, such as ACLs, are captured in the main CIWQS chart depicting formal enforcement actions and are not repeated in the chart below.

Stormwater Enforcement Actions (as of 1 January 2013)



	2007	2008	2009	2010	2011	2012
Verbal Communication	30	74	94	84	128	601
SEL	21	246	388	179	154	332
NNC	213	432	51	181	30	5
CAO	1	1	2			1
2nd NNC - AR			52	25	37	18
1st NNC - AR		1	203	114	230	226
13267 Letter/Order	1	1		2	2	92
NOV	274	83	98	37	30	46

Central Valley Water Board staff continues to be very active in the compliance and enforcement areas. Staff is consistently using the progressive enforcement approach, as demonstrated by the good mixture of formal and informal enforcement actions used throughout the programs.

More information with additional details can be found on our Web Page by accessing the [Board Decisions](#) tab or by accessing the [Enforcement](#) link found on the home page.

SANITARY SEWER OVERFLOWS, SPILLS LEAKS/OTHER COMPLAINTS/THREATS

1. 1 November to 31 December 2012

Sanitary sewer overflows (SSOs) continue to be an area of concern and focus of attention for Central Valley Water Board staff. During this period, 32 Category 1 and 257 Category 2 spills have been reported and certified. **Category 1** spills are defined as discharges of sewage that a) equal or exceed 1,000 gallons, or b) result in a discharge to a drainage channel and/or surface water; or c) discharge to a storm drainpipe that was not fully captured and returned to the sanitary sewer system. **Category 2** spills are defined as other discharges of sewage.

A more detailed account of the sewage spills is included in Attachment A to the EO Report.

2. Raw Sewage Spill, City of Grass Valley

On 2 December 2002, an estimated 450,000 gallons of sewage was released from the City of Grass Valley's wastewater treatment plant. The reported cause of the spill was the unusual size of the storm event that caused the primary clarifiers at the wastewater treatment plant to overflow. The City performed mitigation activities and contained a portion of the volume; however, an estimated 313,500 gallons of sewage reached surface waters. The Board Staff is already in contact with the City about the incident and is evaluating further appropriate enforcement actions.

Reports on sewage spills are available on a real-time basis to the public from the State Water Board's webpage at: http://www.waterboards.ca.gov/water_issues/programs/sso/index.shtml

Sewage Collection Agencies report SSOs on-line at the State Water Board's CIWQS database pursuant to the requirements of State Water Board Order No. 2006-0003-DWQ (*General Statewide Waste Discharge Requirements for Sewage Collection Agencies*). Additional information about Water Boards' SSO Reduction Program can be found at http://www.waterboards.ca.gov/water_issues/programs/sso/docs/compliance_report2011.pdf

City of Mt. Shasta Collection System, Siskiyou County

On 25 November 2012 an SSO entered a storm drain which discharges into Wagon Creek, a tributary of Lake Siskiyou. Upon investigation, it was determined that raw sewage was surfacing from a sanitary sewer maintenance hole located at 511 McCloud Avenue. Debris was cleared and flow was restored in the sewer line that same morning. The City determined that the SSO released approximately 230 gallons. The impacted area was cleaned and a total of approximately 600 gallons of rinse water was recovered and discharged into the sewer collection system. The City conducted water quality sampling on 26 and 27 November 2012 for total and fecal coliform bacteria to assess potential impacts to Wagon Creek. Laboratory results are pending. Water Board staff is evaluating appropriate enforcement actions.

Holiday Subdivision, Mt. Shasta, Siskiyou County

On 13 December 2012, Siskiyou County Environmental Health Department reported a raw sewage spill from an overflowing private lift station wet well at the southwest corner of Holiday at W.A. Barr Road in Mt. Shasta. A pumper truck was used to pump down the level in the wet well and stop the overflow that same day. After further investigation, it was determined that a total of approximately 2,000 gallons of raw sewage had surfaced from the wet well and traveled to a nearby swale reaching a culvert under Siskiyou Lake Trail where it was contained and eventually absorbed into the ground. The spill traveled a total distance of approximately 350 feet and had stopped approximately 500 feet from Lake Siskiyou. A pump failure at the lift station, possibly due to recent power failures, was reported as the cause of the spill. Water Board staff is currently investigating parties responsible for operating and maintaining the private lift station and evaluating appropriate enforcement actions.

Treated Sewage Spill, Brandy Creek Recreational Area, Whiskeytown Lake, Shasta County

On 6 December 2012, National Park Service personnel from Brandy Creek Recreational Area at Whiskeytown Lake reported a 19,900 gallon discharge of treated, disinfected effluent to Brandy Creek, a direct tributary to Whiskeytown Lake (discharge to surface water is prohibited at this facility). The cause of the spill was a failed pipe connection in the effluent storage tank pump recirculation system. The failure in the piping and resulting effluent discharge to surface water went unnoticed for approximately two days prior to 6 December 2012. Water Board staff is reviewing a final incident report prepared by the National Park Service, and is evaluating appropriate enforcement actions.

DELTA ACTIVITIES

1. **Interagency Ecological Program (IEP)**

Four special study proposals dealing with Bay-Delta monitoring were approved for funding in December, but at the last minute the funding was pulled. In order to potentially fund these proposals, the State Water Board IEP Coordinator submitted the proposals to the Office of Enforcement to be considered for addition to the SEP list.

TMDL/BASIN PLANNING

On 8 November, Danny McClure provided a briefing on pesticide TMDL/Basin Plan Amendment development and implementation to the Western Plan Health Association's Water Quality Committee in Sacramento.

On 14 November, Danny McClure, along with Dave Tamayo from the Sacramento County Stormwater Program, provided a presentation on pesticide water quality issues and related regulatory developments at a California Association of Pest Control Advisors educational seminar. These seminars provide required continuing education credits for state licensed pest control advisors and pesticide applicators.

Federal Nonpoint Source Grant Program

Approximately \$4.5 million dollars is available for the 2013 Solicitation through a grant from USEPA. Three Central Valley applications from the concept proposal phase were invited back to submit full proposals. Two of these proposals address the Delta Methylmercury TMDL and one address pesticides in the Delta. Full proposals are due 24 January 2013 and the final recommendation list will be presented to the Executive Director of the State Board the end of March 2013. Funding through this solicitation will be granted by 30 June 2014.

Delta Regional Monitoring Program (RMP)

Regional Board staff continues to coordinate with Aquatic Science Center staff to guide and support the newly formed Steering Committee. The Delta RMP steering committee has held three meetings (12 October, 20 November, and 23 January) and has established a mission statement for the program, as well as the roles and responsibilities of the steering committee. The steering committee continues to refine the management questions that will provide the initial framework for the program and has begun the process of establishing a technical committee to propose additional details for the program framework. Meeting summaries for the October and November meetings are posted online. The summary from 23 January will be posted once finalized.

Delta Mercury Control Program

Exposure Reduction Program

As part of the Delta Mercury Control Program, last summer and fall staff worked with stakeholders to develop a strategy for a program to reduce human exposure to mercury-contaminated Delta fish. The Mercury Exposure Reduction Strategy is the first step toward developing and implementing an exposure reduction program.

The Strategy recommends steps toward developing a workplan by October 2013, discharger participation through cost sharing based on proportional methylmercury loads, a collaborative stakeholder process, and performance measures. The Strategy document provides an example exposure reduction program and general estimates of program costs. Specific exposure reduction activities and detailed cost estimates will be determined through subsequent discussions with community groups and other stakeholders, and will be included in the work plan.

The strategy was approved by the Executive Officer in November. Dischargers and other stakeholders were notified of the final strategy, and it is available on-line at http://www.waterboards.ca.gov/centralvalley/water_issues/tmdl/central_valley_projects/delta_hg/stakeholder_workgroup_mtgs/index.shtml

Starting in January, staff will meet with a small group of volunteers to begin developing the workplan for those dischargers willing to be part of a collaborative approach. Initial tasks include selecting and contracting with a third-party program administrator (to collect and distribute funds, and manage subcontracts), determining program costs, and soliciting funding commitments from dischargers. Dischargers that do not want to be part of the collaborative approach will need to submit an outline and time schedule for submission of individual exposure reduction work plans by 30 May 2013.

Methylmercury Studies

The Delta Mercury Control Program requires point and non-point source dischargers in the Delta to conduct studies and evaluate best management practices to reduce methylmercury discharges. The study requirements apply to methylmercury discharges from wastewater treatment, urban stormwater runoff,

irrigated agriculture, wetlands, and open water. Coordinated study plans are being developed by these groups.

In September 2012, an independent technical advisory committee (TAC) met to review concept proposals and initial study workplans from the discharger groups. Since then, the dischargers have been developing their full workplans for TAC review early next year. It is anticipated the TAC will convene to review the workplans and provide feedback to the dischargers in June 2013. While staff expects that representatives of the methylmercury source types listed above will complete their respective coordinated study workplans, there are concerns that some study groups will have difficulty obtaining adequate funding and locations to conduct the studies.

SALINITY AND CV SALTS

1. **Central Valley Salinity Alternatives for Long-Term Sustainability (CV-SALTS)**

On November 26th, a day long workshop was conducted on the Initial Conceptual Model and GIS Framework for the Valley-wide Salt Source, Fate and Transport Model. The workshop was attended by members of the Project Management Committee who oversees the effort as well as other interested parties and provided both an opportunity to discuss the status of work completed as well as respond to comments and recommendations on future activities. Several other technical projects are also under way. The Strategic Salt Accumulation Land and Transportation Study (SSALTS) workplan which will evaluate viable salt disposal alternatives was approved by the Executive Committee and a subcontract was executed 29 November to commence work. A subcontract was executed for the investigation of appropriate salinity criteria for the protection of aquatic life beneficial uses. A revised workplan to evaluate appropriate salinity water quality objectives for the protection of agriculture irrigation supply within management zones throughout the Central Valley was completed and was reviewed by the Technical Advisory Committee. The zones will be based in part on like hydrogeology, climate and water management and will include verification with the agricultural community. A brief summary of all CV-SALTS technical projects is under preparation and will be posted on the updated CV-SALTS website in early 2013 at: www.cvsalinity.org

The Executive Committee continued its policy discussions related to appropriate application and level of protection for Agricultural Supply (AGR) and Municipal and Domestic Supply (MUN) beneficial uses. The committee anticipates drafting policy recommendations based on the discussions by early 2013. The AGR recommendations will be incorporated into the workplan evaluating appropriate water quality objectives for AGR management zones. Discussions are also continuing on implementation options in areas with legacy nitrate contamination. The December policy discussion was postponed to January 2013.

The Lower San Joaquin River Committee is continuing its effort to develop salt and boron water quality objectives for the stretch of river between the Merced River and Vernalis. A search is continuing to fill a vacant long-term committee manager position. On-going discussions were held with the Department of Water Resources and US Bureau of Reclamation regarding specific elements of the project workplan that may be undertaken by the two agencies. A request for qualifications based on the scope of work for the remaining technical workplan tasks was released in early December 2012. The committee has completed work on drafting language for beneficial use identification, basin hydrologic background conditions and a problem statement all of which will be finalized as part of the development of the supplemental environmental documentation for the project required under the California Environmental Quality Act (CEQA).

The annual report to the State Water Resources Control Board (State Water Board) on the CV-SALTS initiative was presented at the 4 December 2012. The staff report included a summary of work to date and a request for the release of the remaining \$1.8 million of the original \$5 million of Clean up and Abatement Account funds allocated to the effort. The State Water Board acknowledged that CV-SALTS had made sufficient progress and approved the release of funding. The annual report is available for review at: http://cvsalinity.org/index.php/documents/doc_download/2169-cv-salts-annual-report-december-4-2012.html

CV-SALTS Meeting Participation

On 1 November, Jeanne Chilcott and Jim Martin attended a meeting of the Lower San Joaquin River Committee. The main focus of the meeting was developing plans to secure a long-term committee manager and to finalize and distribute a Request for Proposals for a technical support services contract to complete the remaining project workplan tasks. A new committee co-chair was also selected.

On 2 November, Jeanne Chilcott attended a CV-SALTS Executive Committee Administrative Meeting. The main topics discussed were active participation in CV-SALTS, budget, project/contract updates, and preparation for State Water Board annual report.

On 6 November, Jim Martin met with representatives of the U.S. Bureau of Reclamation and the California Department of Water Resources to try to identify technical tasks in the Lower San Joaquin River Committee workplan that the two agencies could support by providing in-kind services.

On 8 November, Pamela Creedon, Clay Rodgers, Jeanne Chilcott, and Pam Buford participated in the CV-SALTS Executive Committee Policy meeting with focused discussion on “reasonable protection” of agricultural uses dependent on groundwater sources for irrigation supply.

On 9 November, Jeanne Chilcott and Jim Martin participated in a meeting of the Technical Advisory Committee. The main focus of the meeting was review of a revised workplan for establishing agricultural zones for the entire Central Valley and developing water quality objectives for the protection of agriculture within each zone.

On 15 November, Jeanne Chilcott and Pam Buford met with CV-SALTS stakeholders to prepare the annual report presentation.

On 26 November, Rob Busby and Jeanne Chilcott attended the workshop on the Initial Conceptual Model and GIS Framework work to date.

2. **United States Bureau of Reclamation—Management Agency Agreement (MAA)**

Staff continued to meet monthly (November and December) with representatives of U.S. Bureau of Reclamation (USBR) to discuss the status of work related to the MAA addressing mitigating salt imports to the San Joaquin River basin. A major focus of the meetings was on means of supporting and utilizing the CV-SALTS Lower San Joaquin River (LSJR) Committee as the USBR facilitates the development of a Real-Time Management Program to maximize salt exports from the Basin while protecting beneficial uses. USBR staff have been evaluating technical tasks in the LSJR Committee workplan, that USBR could complete or provide support services to help complete. One such task is the development of a real time management implementation strategy.

Discussions also addressed existing Basin Plan requirements for issuance of WDRs to control salt loading within the LSJR by sub-basin in accordance with the adopted salt and boron TMDL. Such WDRs are to be adopted over an eight year period beginning in July 2014 with the Northwest Side, Grassland and Delta-Mendota Canal unless a Central Valley Water Board approved Real Time Salinity Management Program (RTMP) is utilized. USBR staff are developing a RTMP framework for review and approval by the Board in 2013. Board staff are concurrently working on draft WDRs which would need to be released for review by late 2013 to meet the July 2014 deadline for final WDRs should an approved RTMP not be available.

3. **Evaluation of Municipal and Domestic Supply (MUN) Beneficial Use in Sacramento Valley Publicly Owned Treatment Works (POTW) Receiving Water**

The project evaluating appropriate application and level of protection of MUN in agriculturally dominated receiving waters of four publicly owned treatment works (POTWs) in the Sacramento Valley is progressing close to schedule with the completion of three region-wide CEQA scoping sessions and continued water quality monitoring to characterize the water bodies in question. The CV-SALTS Administrative Committee agreed to cover a portion of the anticipated analytical costs for the remainder of the monitoring portion of the project (December 2012 through September 2013) and the subsequent Request for Proposal for laboratory services was released through CV-SALTS in December 2012. This laboratory contract is scheduled to be in place by the end of January 2013.

Three CEQA scoping/public workshop meetings were conducted in Willows, Rancho Cordova and Fresno during October and November 2012. A review of the project background and potential alternatives were presented by staff at the meetings. Stakeholders provided comments and recommendations during the meetings as well as written comments which will be summarized and responded to by January 2013. The summary and responses are scheduled for discussion at the next stakeholder meeting on 16 January 2013. Staff will also present an update to the Board at the January 2013 board meeting.

MUN Meeting Participation

On 2 November, Anne Littlejohn, Betty Yee, Calvin Yang, Gene Davis, Jay Simi, Jeanne Chilcott, Jelena Hartman, Martice Vasquez, Melissa Dekar, Sue McConnell and Tessa Fojut participated in the second CEQA scoping/public workshop meeting in Rancho Cordova.

On 7 November, Jeanne Chilcott, Anne Littlejohn, Calvin Yang, and Pam Buford participated in the third and last CEQA scoping/public workshop meeting in Fresno.

More information on the project can be found at:

http://www.waterboards.ca.gov/centralvalley/water_issues/salinity/mun_beneficial_use/index.shtml

DAIRIES

1. **Compliance Inspections**

Dairy compliance staff is committed to eliminate the backlog of 550 dairies that had not been inspected since the Dairy General Order was adopted. During the first half of the current fiscal year (2012/2013), staff has conducted approximately 280 inspections, significantly reducing the backlog. It is anticipated that the entire backlog will be eliminated by the end of the fiscal year.

2. **Representative Groundwater Monitoring Program**

The Central Valley Representative Monitoring Program has completed installation of Phase II wells, bringing the total number for the groundwater monitoring program to more than 300 wells at 42 dairies throughout the Region. Water quality samples are collected from the wells quarterly. Monitoring data will be submitted in annual reports, the first of which is due by 1 April 2013.

3. **Groundwater Directives**

In July 2012, staff issued NOV letters to dairies that failed to comply with a 13267 Order directing them to either 1) prepare a monitoring well installation and sampling plan to implement groundwater monitoring at their facility, or 2) join a coalition that will develop a representative groundwater monitoring program as an alternative to implementing individual groundwater monitoring at their dairy. To date, approximately five dairy facilities have not responded to the NOV. Staff intends to pursue the appropriate response regarding formal enforcement for those dairies.

4. **Annual Reports**

In August 2012, staff issued Notice of Violation (NOV) letters to dairies covered under the Dairy General Order that failed to submit the 2011 Annual Report, which was due by 1 July 2012. Of these, approximately 25 facilities have yet to submit an Annual Report. The compliance rate among the 1,350 dairies covered under the Dairy General Order for submission of the 2011 Annual Report is approximately 98%. Staff intends to pursue the appropriate response regarding formal enforcement for those dairies that did not respond to the NOVs.

GENERAL

- 1. Remediation System Installation and Startup, Town and Country Village Shopping Center, 2601 Marconi Avenue, Sacramento, Sacramento County.** During September and October 2012, DS Town and Country LLC installed and started up a soil vapor extraction and air sparge remediation system at the Town and Country Village shopping center in Sacramento. The purpose of the remediation system is to clean up perchloroethylene (PCE) pollution, a volatile chlorinated solvent, from soil and groundwater that was released during the historical operation of a dry cleaner business at the site. Groundwater is approximately 100 feet deep and air sparge wells were installed to a depth of 120 feet. Air injected into the groundwater through the air sparge wells will enhance evaporation of PCE into the overlying soil for capture by the soil vapor extraction system. Initial extraction system PCE influent concentrations ranged up to 1,550,000 micrograms per cubic meter of soil vapor. It is estimated that approximately 40 pounds of PCE were removed from the subsurface during the first week of remediation system operation. The remediation system will continue to be operated and monitored to track the remediation progress and to estimate the duration of operation needed to complete the cleanup.
- 2. Landfill Closure**

The Merced County Regional Waste Management Authority completed partial closure of the Highway 59 Landfill north of the City of Merced. Staff approved the evapotranspirative cover installation construction quality assurance report for the unlined 89-acre Phases 1 to 4 and conducted the post-construction inspection. The cover construction included the installation of a landfill gas extraction system for Phases 1 to 4 to control the flow of landfill gas to the groundwater as part of groundwater remediation.
- 3. Battle Creek Watershed Post-Fire Activities, Shasta and Tehama Counties**

The 237k acre Battle Creek watershed has been the subject of significant environmental concern in recent years, specifically regarding the nexus between timber harvesting and a federally funded fish habitat restoration project downstream. In August 2012, the forested portion of the watershed was impacted by the Ponderosa wildfire which burned approximately 27k acres (~12% of the watershed). Approximately 17k acres of the burned area are owned and managed by Sierra Pacific Industries (SPI). Two Shasta County-owned bridges were also destroyed along with 52 residences and 81 outbuildings. Post-fire erosion is known to increase fine sediment in local area surface waters which, in this case, threatens the recovery of the anadromous salmonids targeted by the restoration project. Additionally, SPI and multiple small, non-industrial landowners began harvesting the salvageable trees within weeks of containment.

Intense localized storms occurred in the watershed on the first weekend in December 2012. The effect of these storms was compounded by the fact that the soils had reached saturation during previous events. Several watercourse crossings that were appropriately sized to handle a 100-year storm event failed and both land and stream morphology was significantly altered.

Timber program staff has continued to conduct near-weekly inspections on the post-fire salvage timber operations occurring in the Battle Creek watershed. Additionally, SPI's monitoring team installed 10 sediment fences in order to assess erosion rates for four land-use scenarios; 1) burned and un-logged, 2) burned and logged per the California Forest Practice Rules (FPR) using the selection silvicultural prescription, 3) burned and logged to the maximum amount allowed by the FPRS, and 4) burned and logged per the FPRs with additional mitigation in the form of sub-soiling to reduce slope length. Preliminary response from the localized intense storms of early December 2012 indicates that the unlogged areas had the highest erosion rates. This is expected to some degree simply due to the fact that harvest operations disturb the burned soils and create hills and troughs capable of slowing and dispersing stormwater runoff.

- 4. Coal Creek Watershed Post-Fire Activities, Shasta County**

The Salt Fire of August 2012 burned approximately 981 acres in steep, remote terrain upstream of Lake Shasta. Approximately 19k acres of the burned area are owned and managed by Sierra Pacific Industries (SPI) with the U.S.F.S. being the other significant single landowner in the watershed. While the Salt fire burned at a lower general level of intensity than the Ponderosa fire, the generally unconsolidated soils combined with steep slopes created significant erosion during the high-intensity storms of early December (approximately 10 inches of rain fell in one 24 hour period after saturation was reached). Staff conducted two helicopter flights over both the Battle Creek and Coal Creek watersheds to

get a broader perspective on the post-fire, post-storm impacts. The results of the flights and numerous field inspections are standing items for discussion in monthly inter-agency meetings with CalFire, CA Geological Survey (CGS) and the CA Department of Fish and Wildlife.

5. **Groundwater Quality Protection Strategy for the Central Valley Regional, a Roadmap – Workplan June 2011-June 2013 (Update).**

The Groundwater Quality Protection Strategy for the Central Valley Region, a Roadmap (Roadmap) was developed through active stakeholder outreach and approved by the Central Valley Water Board (September 2010 Resolution R5-2010-0095.) The workplan for implementation of high priority actions was approved at the Board's regular June 2011 meeting. The following is a brief status report on the implementation of tasks for each of the actions identified in the Workplan.

- a. Action 6.4. Develop a Salt and Nitrate Management Plan for the Central Valley. The initiative is a collaborative stakeholder effort that includes the Central Valley Water Board as a stakeholder. CV-SALTS Executive Committee adopted an updated Strategy, Framework, and Workplan in February 2012, that identifies submittal of a draft plan in May 2014 and a final plan in May 2016. Over the last six months CV-SALTS has provided an update to the Central Valley Water Board (June 2012) and an Annual Report to the State Water Board (4 December 2012). More details on CV-SALTS activities can be found in the Salinity and CV-SALTS section of this EO report. Information is also available at: <http://cvosalinity.org/>
- b. Action 6.4.2 Implement consistent and scientifically sound groundwater quality monitoring program. The Groundwater Monitoring Advisory Workgroup (GMAW) is composed of groundwater experts, which includes representatives from State and Regional Water Boards, USGS, academia, and private consultants. The GMAW has identified several technical issues related to groundwater monitoring. The workplan set a schedule for the development of white papers for each of the technical issues, including establishing and applying site-specific background concentrations, Conceptual Model, GW Monitoring Well Network Design, Additional GW Monitoring Techniques, Methods, and Tools. Following executive management approval the white papers will be provided to staff as a reference tool for developing permits to be used as appropriate on a case by case basis. To date the GMAW has developed the draft white paper, titled Establishing and Applying Site – Specific Background Concentrations. GMAW meeting information can be found at: http://www.waterboards.ca.gov/centralvalley/water_issues/groundwater_quality/index.shtml
- c. Action 6.4.4 Broaden Public Participation through Enhanced Communication, Education, and Outreach. The goal is to ensure all interested parties have an opportunity to participate in the Central Valley Water Board decision making processes as it relates to groundwater. Meeting facilitation training was provided to 26 staff in February 2012. The contracting fund tasks such as remote board meeting capabilities and website upgrades were dependent on State Board contract funds due to the State's current financial situation no funding will be available for these tasks. Staff continues to work with State Board to identify potential funding sources. Efforts to increase participation with Board business by holding Board hearing panels, remote workshops, and remote board meetings has continued with several held in Kettleman City, Fresno, Tulare, Buttonwillow, and Bakersfield.
- d. Action 6.4.6 Develop a Groundwater Quality Database that facilitates the compilation and assessment of data and allows for integration with information from our different Programs. To avoid duplication and leverage work that has already been started, a staff workgroup was formed to identify data management needs, and has reviewed the capabilities of the various statewide databases, and other Regional Board data management efforts. The workgroup is focusing on the needs assessment and coordinating efforts with the State Water Board's Office of Information Management and Analysis (OIMA) and the Groundwater Management Advisory Workgroup.
- e. Action 6.5.2(a) Implementation of the Long-Term Irrigated Lands Regulatory Program. The goal identified in the roadmap was to implement an irrigated lands program that establishes a groundwater protection program for wastes associated with agricultural practices. The Central Valley Water Board is in the process of developing and adopting General Waste Discharge Requirements for discharges of wastewater from irrigated lands in the Central Valley. Development of seven Orders that allow growers to be represented by third-party groups are planned, with six Orders covering specific watershed areas, one Order covering a specific commodity (rice), and one

Order for those growers that are not part of a third-party group. More detail on the Long-Term ILRP work since December 2012 can be found under the Irrigated Lands Regulatory Program section of this EO Report. More information on the Long-Term ILRP can be found at:
http://www.waterboards.ca.gov/centralvalley/water_issues/irrigated_lands/long_term_program_development/index.shtml

- f. Action 6.5.4(b) Update Guidelines for Waste Disposal from Land Developments. Work over the last year has included participation by Staff in the development of the State Water Board Policy as part of a Policy Writing Team. On 19 June 2012, the State Water Board adopted a Policy for regulation of Onsite Wastewater Treatment Systems (OWTS Policy). The OWTS Policy will require each Regional Board to update its Basin Plan to be in compliance with the OWTS Policy or adopt policy/guidelines that are as restrictive as the State Water Board policy; and to review and approve all of the local area management plans concerning OWTS in its respective Region. This work will be included in the next Groundwater Water Quality Protection Strategy Workplan 2013-2015. The State Water Board OWTS Policy is effective 13 May 2013 and can be found at:
http://www.waterboards.ca.gov/water_issues/programs/owts/index.shtml
- g. Action 6.5.4(c) Reduce backlog of existing Waste Discharge Requirements (WDRs) to be updated and new WDRs to be developed. Several tools are being developed to improve WDR process including a checklist for dischargers on the information needs for antidegradation analysis which helps to reduce the amount of additional information requests. For staff, standard templates similar in formatting to NPDES permits are being developed for use on a case by case basis to provide WDR consistency.
- h. The State Water Board has a WDR unit to assist Regional Boards in reducing WDR backlogs. This unit has been working on the development of a General Order for Small Volume Domestic Wastewater with flows of less than 100,000 gpd. If this General Order is adopted, approximately 250 dischargers in the region would be eligible for this more streamlined WDR process. The State Water Board is targeting the first quarter of 2013 for adoption of the Order.
- i. The Groundwater Quality Protection Strategy for the Central Valley Region, a Roadmap and the Workplan can be found at:
http://www.waterboards.ca.gov/centralvalley/water_issues/groundwater_quality/index.shtml
Development of a second phase workplan will begin soon. This workplan will include the medium priority actions as well as any work that has not been completed by the end of the current workplan in June 2013.

GRANTS

1. **Proposition 84, Department of Water Resources, Integrated Regional Water Management (IRWM) Planning Grants.** IRWM Grant Program administered by the Department of Water Resources (DWR) is designed to encourage integrated regional strategies for management of water resources and to provide funding for programs and projects that support integrated water management planning and implementation. DWR recently released a proposal Solicitation Package that works in conjunction with the 2012 Guidelines to disburse the second round of Implementation Grant funding. For this solicitation DWR will use a one-step application process to evaluate IRWM Implementation Grant applications. Allocations are made by funding area with maximum allocations of \$10,626,000 for Sacramento River, \$8,296,000 for San Joaquin River, and \$8,734,000 for the Tulare/Kern. Applications are due to DWR on 29 March 2013. In the past Central Valley Water Board staff has participated in grant application reviews with DWR. It is anticipated that DWR will request assistance for this solicitation.
2. **Proposition 1E Stormwater Flood Management Grant, Department of Water Resources**
DWR's IRWM Grant Program is designed to encourage integrated regional management of water resources, including flood management, and provide funding for projects that support integrated water management planning and implementation. Stormwater Flood Management Grants are designed for projects that manage stormwater runoff to reduce flooding and are ready, or nearly ready, to proceed to implementation. Projects must be consistent with applicable Regional Water Quality Control Board Basin Plans, not be part of the State Plan of Flood Control and yield multiple benefits which may include groundwater recharge, water quality improvements, ecosystem restoration benefits, and reduction of instream erosion and sedimentation. DWR is currently accepting applications in conjunction with IRWM Grant Program [Guidelines](#) to disburse this first round of funding.

IRRIGATED LANDS REGULATORY PROGRAM (ILRP)

Enforcement

California Water Code section 13260 & 13267 Orders, & Notices of Violation

In November, staff mailed 25 and 21 CWC §13267 Orders to landowners in the Sacramento Valley Water Quality Coalition area. These Orders were issued to landowners who first received an outreach postcard and subsequently did not respond. (WO)

Compliance & Outreach – Postcards

In November, ILRP staff mailed 98 postcards to non-participating landowners within the San Joaquin County & Delta and Sacramento Valley Water Quality Coalitions' boundaries. Of these 9 postcards were mailed to landowners in Colusa County, 6 were mailed to Contra Costa County, 32 were mailed to San Joaquin, and 51 were mailed to Sutter County.

In December an additional 49 postcards were mailed to landowners in Sutter County. ILRP staff screened these landowners' parcels using aerial photography to target agricultural operations with the potential to discharge waste to surface waters. (WO)

Compliance & Outreach – Surveillance and Complaint Inspections

On 10 December, Staff responded to an anonymous complaint submitted via the U.S. EPA National Tips Database. The complaint alleged that a nursery in San Joaquin County was unsafely storing and spraying pesticides. ILRP staff met on-site with the owner of the nursery. The result of this inspection was no obvious signs of a threat to water quality.

On 11 December, staff conducted a site inspection in response to a complaint submitted by the Department of Fish and Game in which sediment-laden water was discharged into Blitz Creek and subsequently the Stanislaus River. The site was several hundred acres of pasture that is being converted into irrigated orchards in Stanislaus County. ILRP staff will be reviewing the inspection results and DFG's findings to determine the appropriate course of action (TB).

Coalition Groups

California Rice Commission

On 27 December, the California Rice Commission submitted a draft Rice Pesticides Program (RPP) report for the 2012 season. There were no exceedances of performance goals for the year. Per RPP Resolution R5-2010-9001, the RPP report, with its recommendations for the 2013 season, will be reviewed by the RPP stakeholders.

On 31 December, the California Rice Commission submitted the 2012 Annual Monitoring Report for the ILRP. Staff's review of the report for adequacy and compliance with the MRP Order is expected to be completed by 1 March 2013.

East San Joaquin Water Quality Coalition

On 1 November, the Executive Officer approved the Coalition's 23 October performance goals and measures for the Fifth Priority Site Subwatersheds. The performance goals and measures provide a mechanism to track the Coalition's efforts in addressing water quality.

On 7 November, the Coalition requested to remove certain constituent/site combinations from its current Management Plan and management plan monitoring schedule. The request is under staff review.

The Coalition submitted a request to update its MRP Plan and QAPP on 26 November. The Coalition's request proposes to update sample hold temperature for water and sediments, hold time for sediment samples, and the analytical method for analyzing triazine herbicides in water. The request is under staff review.

On 1 December, the Coalition submitted the Quarterly Monitoring Data Report.

On 5 December, the Coalition requested to remove Peaslee Creek at Lake Road from its monitoring schedule due to limited access to the site. Monitoring expected for Peaslee Creek will occur at the next scheduled assessment site, Mustang Creek at East Avenue. The request is under staff review. (JSH)

Sacramento Valley Water Quality Coalition (SVWQC)

On 2 November, staff received the Coalition's proposed 2013 monitoring schedule. Staff subsequently reviewed this schedule and provided feedback to the Coalition. Final changes to the schedule were reviewed and agreed upon at the 18 November Quarterly Management Plan meeting.

On 19 November, Water Board staff met with Coalition leads and representatives of the Butte-Yuba-Sutter Subwatershed group to provide assistance on developing Performance Goals for toxicity and pesticide Management Plans.

On 4 December, staff received the Coalition submission of the third quarter monitoring data.

Mark Cady and Susan Fregien traveled to Lake County on 12 and 19 December to give presentations to growers and to meet with sub-watershed participants to discuss progress being made in the local program and the prospects for the new WDR Order.

On 18 December, staff met with Coalition representatives for the Quarterly Management Plan meeting. Meeting topics included items on the Coalition's deliverables schedule, addendums to Performance Goals reports and the Coalition's 2013 monitoring schedule.

On 21 December, staff met with Coalition leads and representatives of the Solano and Yolo County subwatersheds. The discussion resulted in new targets for Performance Goals for toxicity and pesticides in Willow Slough and Ulatis Creek. (MC)

San Joaquin County and Delta Water Quality Coalition

On 31 October 2012, the San Joaquin County and Delta Water Quality Coalition submitted the 2013-2015 High Priority Performance Goals for Bear Creek at North Alpine Rd., Roberts Island at Whiskey Slough Pump, and Walthall Slough at Woodward Avenue as part of its approved Management Plan implementation schedule. The Executive Officer approved the performance goals schedule on 6 November.

On 13 November 2012, the San Joaquin County and Delta Water Quality Coalition requested to remove certain constituents from its current Management Plan monitoring schedule. The request is under staff review.

On 14 December, staff and the San Joaquin County and Delta Water Quality Coalition held a meeting to discuss the Sacramento San Joaquin Delta chlorpyrifos and diazinon Total Maximum Daily Load monitoring schedule. As a result, the Coalition will propose some alternative monitoring sites. (CJ)

Southern San Joaquin Valley Water Quality Coalition (SSJVWQC)

On 5 December 2012, the Executive Officer issued an approval letter for a Management Plan for water quality exceedances within the Tule River watershed area of Tulare County. (BV)

Westside Coalition

On 31 October, staff met with Westside Coalition representatives for the Quarterly Management Plan meeting. Discussion items included finalization of the Coalition's QAPP, progress of the stakeholder process in Hospital and Ingram Creeks, and updating the Coalition's General Management Plan Approach.

On 6 November, staff participated in the Coalition's Steering Committee Meeting by telephone. Key topics included monitoring results and management plan updates, grower outreach visits, noncompliant members, available grants for management practice implementation, and confusion regarding the overlap of Dairy lands and the ILRP.

On 30 November, the Westside San Joaquin River Watershed Coalition submitted its Semi Annual Monitoring Report for the period March through August 2012. The SAMR is under staff review. (CJ)

Other Projects

Data Management

Data reports received through 1 December 2012 are currently being prepared for loading into a California Environmental Data Exchange Network (CEDEN) comparable database provided by the Central Valley Regional Data Center (CV RDC). Additionally, Staff has begun the limited processing of prioritized data sets submitted prior to 2009. These sets have been classified as historical sets and will be loaded to the database and transferred to CEDEN as resources permit.

Data from 2009 through 2011 for all Coalitions are available to the public on CEDEN. Data as recent as early 2012 is available for some coalitions and new data will continue to be transferred to CEDEN on a quarterly basis. The next transfer is planned for the end February. Data collected prior to 2009 will continue to be available on the ILRP surface water quality data webpage.

Prop 84 Grant Funding

At the December Board meeting, Parry Klassen of the Coalition for Urban/Rural Environmental Stewardship (CURES) gave a presentation on the status of the Prop 84 funding and information on the projects that have been awarded funding. Twenty-six projects have been completed to date. Forty-two additional projects have been approved for funding. All projects should be completed by December 2014.

Most of the funded projects are conversion from furrow to drip/micro irrigation systems. The grant agreement has been amended to include a model to estimate sediment discharged pre- and post- construction of the funded projects. An additional task will be added to the CURES grant agreement to develop a soil erosion model for conversion from furrow to drip/micro irrigation. Field measurements will be included to validate the model accuracy. The model is expected to be completed in December 2013.

The CURES website at <http://www.curesworks.org/bmp/projects84.asp> has additional information on the Prop 84 funding and photos of completed projects. (MW)

ILRP Staff Initials Key:

AL	Adam Laputz	JEC	Jeanne Chilcott	MM	Melissa Morris
BLS	Brett Stevens	JK	Joe Karkoski	MW	Margaret Wong
BV	Brent Vanderburgh	JSH	Jelena Hartman	RJS	Rudy Schnagl
CJ	Chris Jimmerson	MC	Mark Cady	WO	Wes Ouimette

STAFF RECOGNITION

SUPERIOR ACCOMPLISHMENT AWARD Q1 FY 12/13

Executive Officer Pamela Creedon presented Superior Accomplishment awards to the following staff, at the December 6/7, 2012 Board meeting.

Candidate: Gilberto Corral
Unit: Confined Animal Facility Regulatory
Title: Water Resource Control Engineer
Supervisor: Charlene Herbst

Gilberto Corral has demonstrated superior job performance resulting in an exceptional contribution to the efficiency of the Confined Animal Facilities Regulatory Unit.

Gilberto joined the Confined Animal Facilities Unit in April 2008, less than one year after adoption of the General Order for Existing Milk Cow Dairies. Since that time, Gilberto has used his engineering skills, combined with his persuasive and friendly-but-firm style, to effectively handle a variety of difficult enforcement cases and a heavy regulatory workload.

Gilberto is responsible for regulatory oversight of 181 dairies. This routine workload requires field inspections, preparation of inspection reports with extensive photo documentation of on-site conditions, and development of Notices of Violation where warranted. The Notices of Violation in turn generate the need for additional follow-up inspections to verify that problems have been corrected. Almost all of the dairy inspections (90%+) result in preparation of a Notice of Violation.

In addition to this large volume of routine inspection work, Gilberto has been involved in the investigation and documentation of 20 off-property discharge cases since joining the unit and one additional high-profile enforcement case which resulted in issuance of a CAO and an ACLC. Gilberto's excellent photo documentation and his ability to prepare clear and concise inspection reports and associated graphics help prove discharge cases and speed resolution of the violations. Gilberto works effectively with Department of Fish and Game Wardens and Lieutenants, Deputy District Attorneys, and Circuit Prosecutors to help settle cases and remediate environmental problems while deterring repeat offenses. In the high-profile case mentioned above, significant serious environmental violations, including piles of animal carcasses and off-property discharges of animal waste and sewage, were discovered during what was supposed to be a routine dairy inspection. Despite the unexpected and jaw-dropping nature of the violations, Gilberto maintained a calm, professional attitude, continuing with the inspection and working with the inspectors assisting him in the inspection to collect information to document on-site conditions. When the inspection was completed, Gilberto arranged for a DFG lieutenant to join him and the other inspectors to evaluate the off-property discharge identified during the inspection. Gilberto prepared inspection reports and clear descriptions of the path followed by the discharge upon leaving the property, and contributed extensively to both the CAO and ACL that followed.

In addition to his normal dairy oversight work, Gilberto reviews liner designs proposed for all dairies within the unit, not just those dairies he oversees. He is also handling 32 dairy closures, which require multiple inspections and phone calls.

Gilberto is an extremely dedicated employee who works long hours in the field to complete inspections and discharge investigations. His effective efforts in enforcement actions result in deterrence of off-property discharges and remediation of situations that either impact or threaten to impact water quality. Gilberto has, for the past 4 ½ years, handled a very high volume of work in a relatively new program with dedication and professionalism. Gilberto is a great asset to the Confined Animal Facilities Unit and to the Region as a whole.

Candidate: Girma Getachew
Unit: Confined Animal Facilities
Title: Environmental Scientist
Supervisor: Charlene Herbst

Dr. Girma Getachew has demonstrated superior job performance resulting in an exceptional contribution to the efficiency of the Confined Animal Facilities Regulatory Unit.

Since joining the Confined Animal Facilities Unit in May 2008, just one year after adoption of the General Order for Existing Milk Cow Dairies, Girma has used his extensive knowledge of animal nutrition and forage crops, his considerable research abilities, and his low-key, effective people skills to manage a heavy regulatory workload.

Girma is responsible for regulatory oversight of 238 dairies. All 238 dairies have been inspected by Girma since his arrival in the unit, including preparation of inspection reports with extensive photo documentation of on-site conditions, and development of Notices of Violation where warranted. The Notices of Violation in turn generate the need for additional follow-up inspections to verify that problems have been corrected. Almost all of the dairy inspections (90%+) result in preparation of a Notice of Violation. In addition to routine inspection work, Girma has been involved in closure work, which generally requires multiple inspections, at 28 dairies. Completion of this amount of inspection work requires long field days, followed by considerable office time to prepare the associated inspection reports and enforcement documents.

Because of his extensive academic background, Girma has researched and prepared evaluations of a number of emerging animal issues that require a scientifically-based response. He works rapidly, and is very effective at identifying key information that helps resolve the questions he is assigned to research. This is fortunate, because he is generally only allowed a minimal time to research the questions and prepare a written summary. Some of the topics he has evaluated for the unit include the impacts of on-site burial of animal mortalities, phosphorous movement within and off cropland, and potential disease impacts from composting of mammalian tissue. Girma's research has helped other confined animal programs in Region 5 besides just the Sacramento office. For example, his research on prion persistence was helpful to Fresno Regional Board staff working on issues related to disposal of cow carcasses into on-farm digesters. In addition, due to his extensive previous work on forage crops as a researcher both at UC Davis and internationally, Girma provides assistance to other staff in the review of Nutrient Management Plans which are prepared by consultants to help ensure that land application of manure and wastewater at dairies does not negatively impact groundwater.

Dr. Girma Getachew has, for the past 4 ½ years, handled a very high volume of work in a relatively new program with diligence and professionalism. He is willing to tackle additional new assignments while managing a heavy workload, producing work that is timely and complete. Girma is a great asset to the Confined Animal Facilities Unit and to the Region as a whole.

Candidate: Scott Hatton
Unit: Non-15 Waste Discharge Requirements
Title: Water Resource Control Engineer
Supervisor: Dale Harvey

Scott Hatton is being recommended for a 'Superior Accomplishment Award (SAA) for his outstanding production in the Non 15 and NPDES Units of the Fresno Office of the Central Valley Regional Water Quality Control Board. Scott is a California Professional Civil Engineer. He first worked in the Central Valley Water Board's Dairy Unit from August 2001 to August 2003. Due to budget cuts, he left to pursue work in the consulting field. He returned to the Central Valley Water Board in January 2012.

In the nine months since his return, Scott has inspected seven sites, drafted five issue memorandums to precede tentative waste discharge requirements (WDRs), issued two sets of tentative waste discharge requirements (WDRs) for public comment, successfully shepherded one set of WDRs, including an initial study and mitigated negative declaration, through Board adoption, and successfully scheduled a second set of WDRs for Board consideration in December 2012. Scott is close to completing another issue memorandum and set of tentative WDRs.

Scott's production and quality of work is far above what is normal. Scott has quickly reviewed and grasped several complicated laws and program policies and implemented them seamlessly into his work. He is very organized and his work is consistently thorough, accurate, and requires little revision. If he does not know applicable regulatory requirements, he quickly researches them on his own and asks poignant questions when he is unsure of policy direction. His level of knowledge, quality of work, and production is higher than those with many more years of service.

Scott interacts well with his peers and stakeholders. His work ethic and consistent production are good examples for his peers. His presence has resulted in an overall increase in productivity by his peers and our unit in general. He is also becoming a technical resource for our unit.

For the above reasons, Scott is deserving of the recommended SAA.

EMPLOYEE OF THE MONTH NOVEMBER

Candidate: Brad Shelton
Unit: Private Sites Cleanup
Title: Engineering Geologist
Supervisor: Steve Meeks

In his relatively short time with the Water Board, Brad has proven himself to be a valuable asset to the Water Board and the Site Cleanup team.

After working for more than 10 years as an environmental consultant, Brad Shelton came to work for the Central Valley Water Board in January 2012. Brad was assigned to provide regulatory oversight for the cleanup of the downtown Sacramento Railyards, which is one of the largest brownfield development projects in the Western US. Brad has contributed valuable input to the cleanup process of the Railyards and has shown that he can take charge of difficult projects and work well with responsible parties and other involved agencies. He recently participated in a series of contentious negotiations, firmly representing the Board's cleanup requirements, which led to an acceptable remedial action plan for the Railyards' central shops area and the groundwater pollution which lies beneath downtown Sacramento. Through his efforts, Brad has gained recognition and praise from our DTSC counter parts, who greatly appreciate his input to this important project.

In addition to being a valuable member of our Site Cleanup team, Brad has also become an active participant in our Employee Association. Recently, for Halloween, he provided his time and labor to help decorate the breakroom and he coordinated the Halloween Potluck event at the Rancho Cordova office. The event was well attended and helped raise money for the Employee Association.

Candidate: Michelle Wood
Unit: Mercury TMDL Unit
Title: Environmental Scientist
Supervisor: Patrick Morris

Michelle is being nominated as an outstanding employee for all of her work in developing mercury TMDLs. Most recently, she has been tasked with developing the scientific and technical basis for a TMDL to address all of the mercury-impaired reservoirs in the state.

Michelle is being nominated as an outstanding employee for all of her work in developing mercury TMDLs. Most recently, she has been tasked with developing the scientific and technical basis for a TMDL to address all of the mercury-impaired reservoirs in the state. Currently, the project has over 70 reservoirs, and the number of reservoirs is expected to double during the next 303d listing cycle.

Michelle is on the technical report development team and has been working with staff from the mercury TMDL Unit, other regional boards, State Board, and the California Air Resources Board. Michelle's work involves identifying and documenting the numerous mercury sources around the state and then developing allocations for each source type. As part of the source analysis, she has compiled and analyzed data from naturally mercury-enriched areas, atmospheric deposition, gold and mercury mine sites, urban storm water runoff, and WWTP discharges.

The results of her work will be presented to the project Sponsors – Pamela is one of the Sponsors– and will eventually be presented to the public. Michelle truly deserves to be recognized as an outstanding employee

**EMPLOYEE OF THE MONTH
DECEMBER 2012**

Candidate: Todd DeFrate
Unit: Non 15/Title 27 Compliance and Enforcement
Title: Associate Engineering Geologist
Supervisor: Wendy Wyels

Todd has been doing an excellent job of resolving long-standing, complex issues at a number of our landfills and Title 27 sites. In the last year, he wrote two major enforcement actions, which resulted in the final closure cap being installed on both the Dellar Landfill and on the Jackson Road Landfill in December. He also wrote the Clark Pacific CDO, which has resulted in an accelerated cleanup of this old sugar beet facility. We appreciate Todd's tenacity and willingness to dig into complicated issues and work toward resolution.

Candidate: Jelena Hartman
Unit: Irrigated Lands Regulatory Program
Title: Environmental Scientist
Supervisor: Susan Fregien

Jelena is nominated for this award to recognize her outstanding contributions to the Irrigated Lands Regulatory Program. She serves as the board's point of contact with the East San Joaquin Water Quality Coalition. Jelena has accomplished an extraordinary amount during her first year with the Water Board. She handles multiple, complex projects in a smooth and flexible manner. In addition, she has superior data analysis, data interpretation, and written and verbal communication skills.

Jelena also has a unique ability to take broad concepts or ideas and, with minimal direction, create visual or written products that clearly convey the intended meaning. She quickly grasps the big picture and vision behind the tasks she undertakes. Jelena created several animated graphics and informational documents for new irrigated lands WDRs that were instrumental in helping the board and public understand complex staff policy proposals.

In addition to the scientific and technical expertise she brings to our program, Jelena's enthusiasm and energy are appreciated by all of her co-workers

PUBLIC OUTREACH

On 1 November, Stephanie Fong, Diane Beaulaurier, Meghan Sullivan and Christine Joab toured sloughs in the Delta that are impaired for low dissolved oxygen. The information collected will be used to develop a TMDL to address nutrient impaired waterbodies in the Delta.

On 8 November, Ben Letton attended an Upper Pit IRWM Basin Plan Amendment Subcommittee meeting in McArthur. The meeting focused on development of a potential Basin Plan Amendment to the COLD water designation for the Upper Pit River.

On 13 November, Janis Cook, Chris Foe, and Patrick Morris attended a meeting of the Delta Tributaries Mercury Council. Presentations included updates on: mine cleanup activities at the Rathburn mercury mine site; a regional wastewater methylmercury treatment comparison study; a SRCSD methylmercury study; mercury simulation modeling; and Cache Creek settling basin mercury studies.

On 19 November, Pamela Creedon, Clay Rodgers, and Joe Karkoski met with representatives from the Nisei Farmers League and the California Cotton Ginners and Growers Associations to discuss the ILRP waste discharge requirements under development.

On 20 November, Betty Yee attended the Water Plan workshops for the Sediment and Desalination Resource Management Strategies to provide water quality input.

On 27 November Sue McConnell and Jay Simi facilitated a Drinking Water Policy Workgroup meeting. Revisions to the draft Staff Report were discussed. The Workgroup also had preliminary discussions regarding a special study to assess potential sources and ambient levels of Cryptosporidium in surface waters of the Delta and its tributaries.

On 27 November and 28 November, Joe Karkoski spoke at the East San Joaquin Water Quality Coalition's annual grower meetings in Modesto and Merced, respectively. Adam Laputz spoke at the grower meeting in Madera on 29 November. The talk focused on the Eastern San Joaquin WDRs being considered by the board.

On 29 November, Joe Karkoski spoke at a Western Plant Health Association nutrient seminar. The presentation focused on nitrate issues and the proposed nitrogen management requirements being considered by the board.

On 28-29 November, Holly Grover, Martice Vasquez, Christine Joab and Stephanie Fong attended a two-day Freshwater Cyanotoxin Workshop hosted by the Bioaccumulation Oversight Group and SWAMP. The goals of the workshop were to review the current state of knowledge on cyanobacteria blooms including a review of national and statewide policies, and to discuss with a panel of experts the next steps for convening a monitoring coalition that will develop a more comprehensive and coordinated plan for monitoring cyanobacteria blooms in California.

On 29 November, Guy Chetelat and Ben Letton attended the annual Sacramento River Watershed Program stakeholders meeting in Redding. Presentations included watershed management to reduce risk of catastrophic fire and updates of regional and local watershed management programs.

On 4 December James Taylor participated in the former McClellan Air Force Base Restoration Advisory Board (RAB) meeting at the North Highlands Park and Recreation District Center in North Highlands, California. This is a public meeting where agencies inform the public of cleanup issues at Department of Defense facilities and enlist their comments. The main topic for the meeting was an update of the groundwater cleanup program and a proposed groundwater cleanup optimization strategy.

On 5 December, Alex MacDonald presented an update on the investigation and remediation efforts by Aerojet and the Boeing Company at the bimonthly meeting of the Aerojet Community Advisory Group. The update highlighted the implementation of remedial actions in the Perimeter Groundwater Operable Unit and Western Groundwater Operable Unit, and the on-going investigation at several source areas of pollution on the Aerojet property and the Inactive Rancho Cordova Test Site.

On 5 December, Chris Foe and Christine Joab toured sloughs surrounding the City of Stockton that are impaired for low dissolved oxygen. The information collected will be used to develop a TMDL to address nutrient impaired waterbodies in the Delta.

On 6 December, Guy Chetelat attended the Upper Sacramento, McCloud and Lower Pit Rivers Integrated Regional Water Management meeting in Mount Shasta. Progress was made identifying issues, objectives, and resource management strategies. Tribal representatives are active participants in these meetings. This water management process is funded by a Proposition 84 grant administered by DWR staff.

On 9 December Doug Patteson and Stephen Klein met with representatives of California Bioenergy to discuss a proposed centralized digester project to be located in Kern County. The proposed project would collect biogas from several dairies, each with on-site digesters, to a central location for treatment and use for energy/heat production or direct injection into a natural gas utility pipeline. The meeting was held at the Fresno office of the San Joaquin Valley Air Pollution Control District and was also attended (in person or by conference call) by representatives of the U.S. Environmental Protection Agency, the Governor's Office of Permit Assistance, the California Environmental Protection Agency, CalRecycle, the Kern County Planning Department, and Southern California Edison.

On 10 December, Board Member Bob Schneider, Janis Cooke, Jeff Huggins, and Patrick Morris visited the Corona Mine site in the upper Lake Berryessa watershed. Mr. Schneider provided an overview of restoration activities planned to control surface water discharges from the inactive Corona and Twin Peaks mercury mines.

On 11 December, Janis Cooke and Christine Joab took a boat tour of the Cache Slough Complex. Staff was provided an overview on the Department of Fish and Game's restoration projects including efforts to assess the methylmercury impacts from the restoration activities.

On 11 December, Joe Karkoski spoke at the annual California Alfalfa & Grain Symposium sponsored by the University of California, Davis. The presentation focused on nitrate issues and the nitrogen management plan requirements in the Eastern San Joaquin River watershed WDRs adopted by the board.

On 12 December, Joe Karkoski spoke at the annual Almond Board conference. The presentation focused on nitrate issues and the nitrogen management plan requirements in the Eastern San Joaquin River watershed WDRs adopted by the board.

On 13 December, Holly Grover participated in the Westside Sac Integrated Regional Water Management Plan meeting. The proposed projects to be included in the Plan were discussed, along with the Goals and Objectives. The Plan should be finalized by summer 2013.

On 14 December, Betty Yee participated in the Water Plan forum for the Delta Region. The forum allows the opportunity for stakeholders to share water related issues and concerns.

On 17 December, Janis Cooke, Stephan Louie, and Patrick Morris attended the Bioaccumulation Symposium. In addition to hearing about various studies, staff provided information about the statewide mercury program and exposure reduction activities in the Delta.

PERSONNEL AND ADMINISTRATION

<u>Total Positions</u>	<u>Permanent</u>	<u>Temp</u>	<u>Vacancies</u>	<u>Gains</u>	<u>Lost</u>
257.7	224.7	33	0	6	10

Gains:

True Khang, Victoria Tomlinson, Clairise Anderson, Bianca Quider, – TAU
 Nichole Morgan – Sr. WRCE
 Bob Chow – Sr. SISA

Promotions:

None

Leave of Absence:

Franchelle Contreras, OT

Return from LOA:

Ann Palmer, WRCE
 Dancy Yang, TAU

Separations:

Mark Vossler, Joan Tevik-Muncy, Eric Warren - TAU
 Skyler Anderson, ES
 Stephanie Fong, Sr. ES

Retirements:

Rick Moss -AEO
 Bob Crandall - AEO
 Michael Negrete, SEA
 Anand Mamidi, WRCE
 Jim Martin, EG

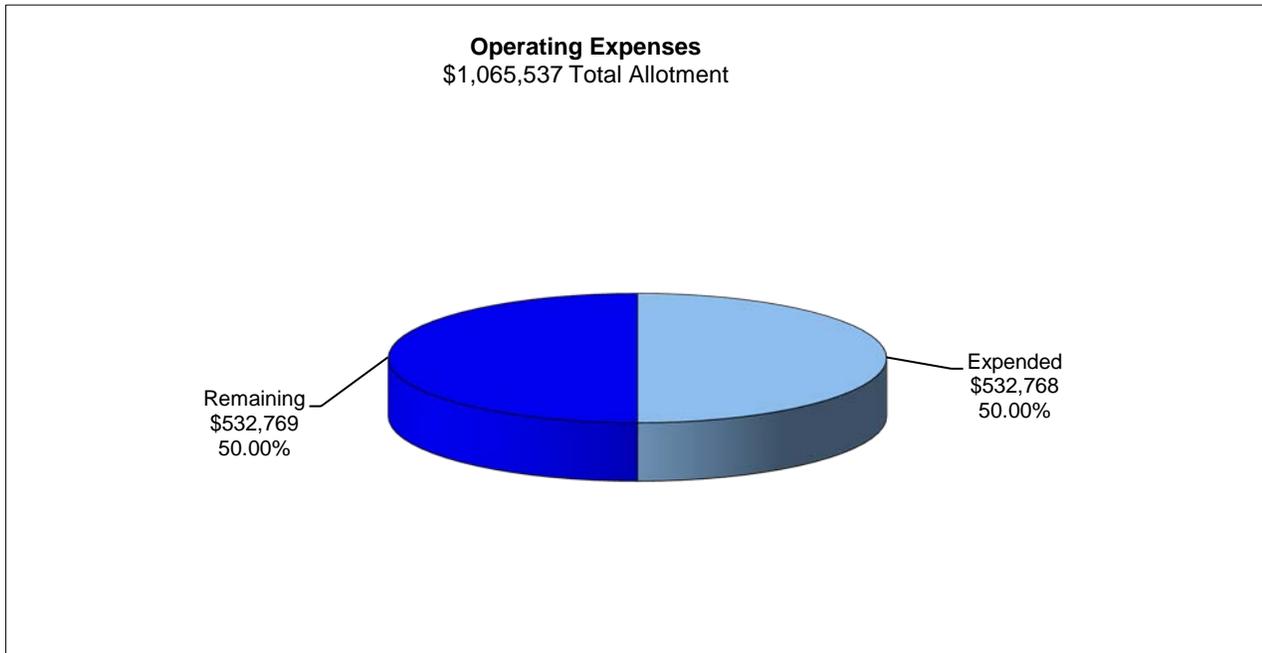
**TRAINING REPORT
 November 1, 20112 – December 31, 2012**

<u>Course Title:</u>	<u>Number of Attendees</u>
8 hour Hazwopper Training	8
ATV Rider Course	1
Basic Supervision, Part 1	1
Bioassessment Course, Parts 1 and 2	7
California Aquatic Bioassessment Workgroup	6
CIWQS Webinar	10
Contracts Training	3
Defensive Drivers Training	2
Freshwater Cyanotoxin Workshop	4
Geologic Symposium 2012	1
Groundwater Law and Hydrology	1
HAZWOPER Refresher Training	4
HAZWOPER Training - 8 Hours	1
Hydromodification Seminar Series	1
Leadership Development Program - Mental Models I/I	23
Slug Test Webinar	1
Solving the Storm Water Compliance Puzzle	2
Vapor Intrusion Pathway	4
Working Effectively with Tribal Government	1

FISCAL REPORT

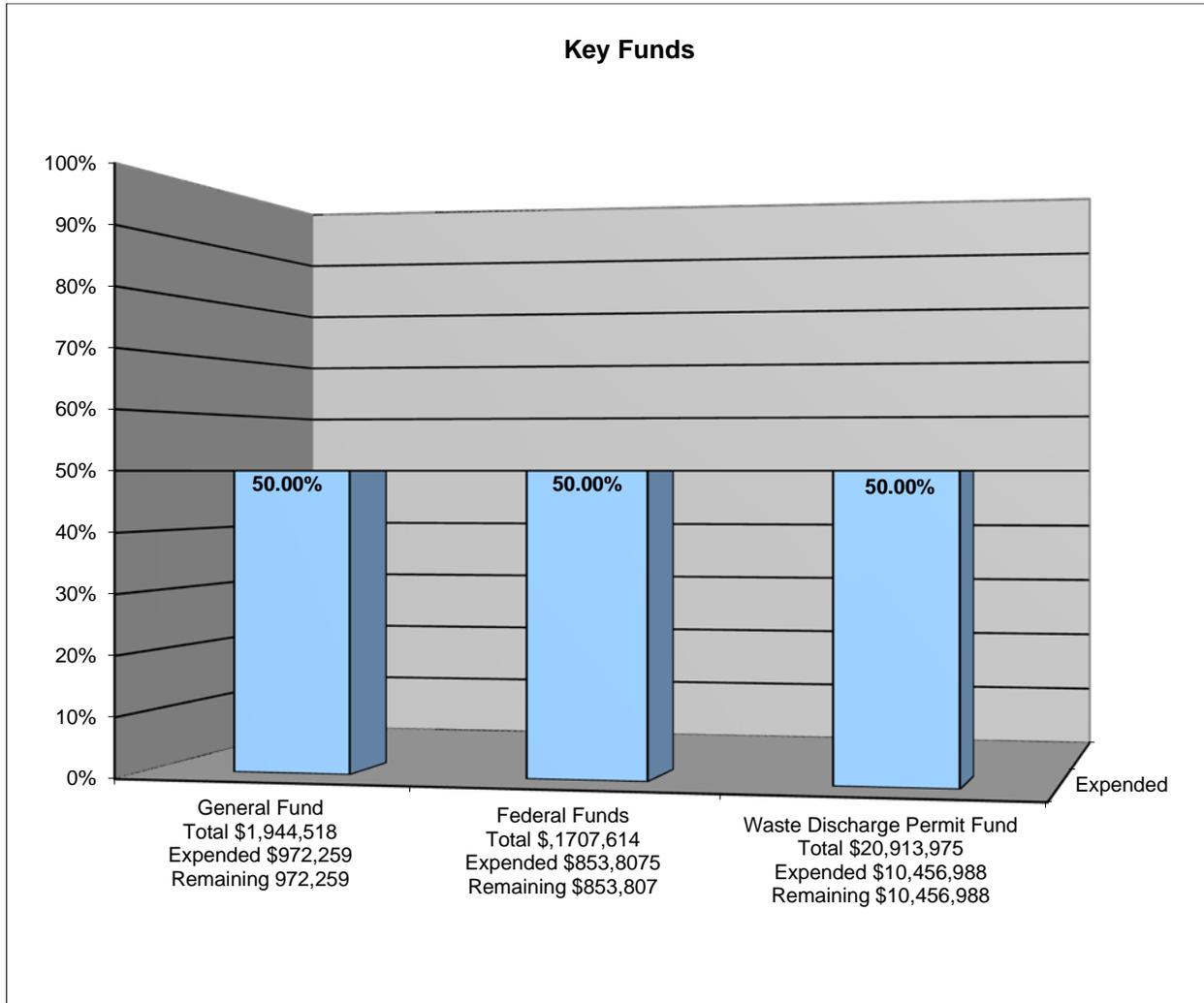
Operating Expenses:

Our estimated Operating Expense budget for the 2012/13 Fiscal Year is \$1,065,537.



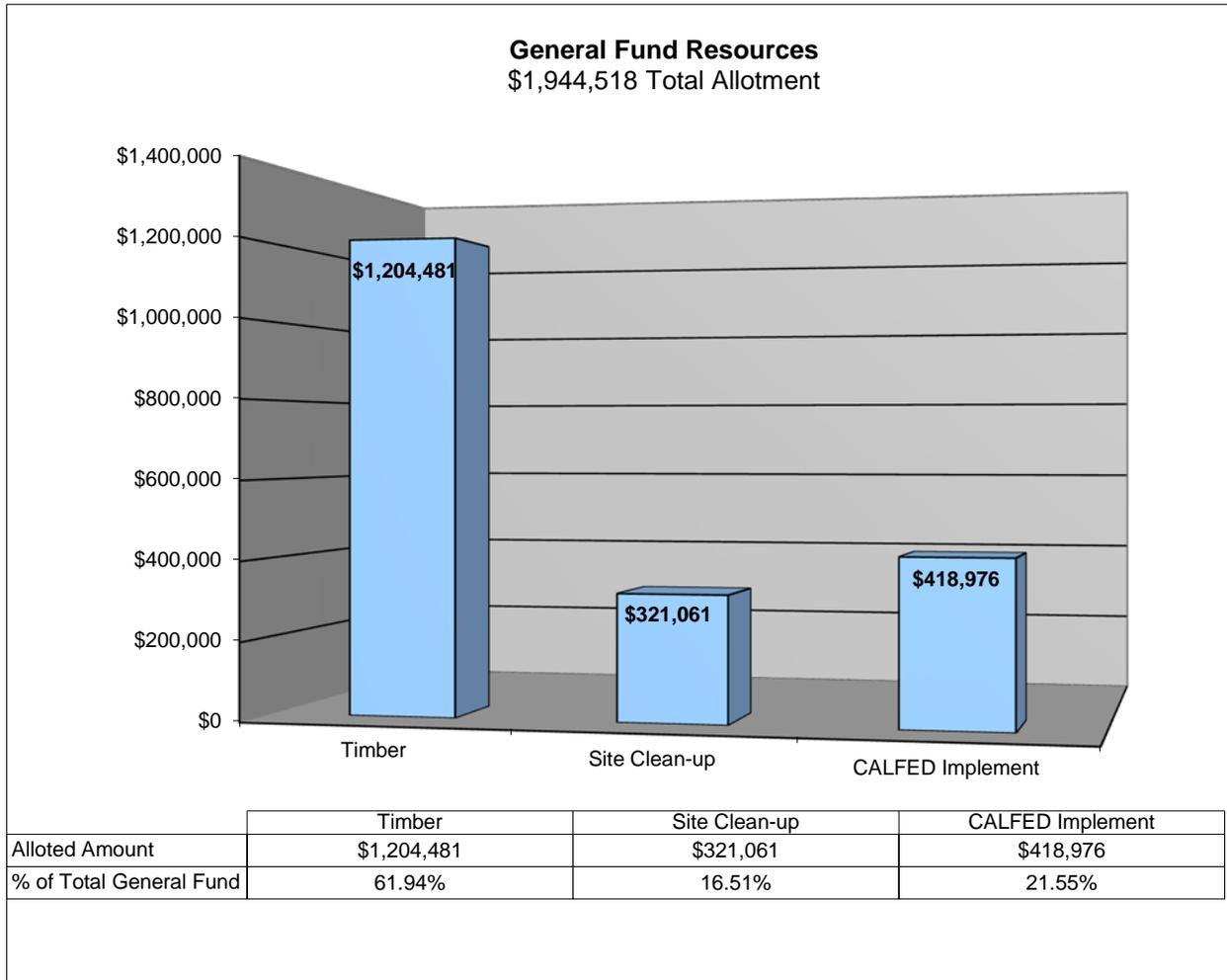
Key Fund Issues:

We estimate that all key funds are being expended at a reasonable level.



General Fund Resources:

Below is a chart showing how much general fund money we had for the 2011/12 Fiscal Year and what programs were funded from this resource. The Legislature and the Governor directed the money to these specific programs. We had very little discretion in shifting these resources to another program. We estimate that the 2012/13 Fiscal Year will be funded at the same level.



FUTURE BOARD ACTIVITIES

The following are significant Board meeting actions anticipated for the next three Board meetings. This is not a complete listing of all Board meeting items. This listing is tentative and subject to change for many reasons. The listing is intended to give a longer-range view of planned Regional Board activities per program.

January/February 2013 Board Meeting

NPDES Program – Permitting

- EID, El Dorado Hills WWTP Permit Renewal
- Mountain House CSD Permit Renewal
- Kiefer Landfill GWTS Permit Renewal
- Rio Vista NWWTP Permit Amendment
- Moccasin Creek Fish Hatchery Permit Rescission

April 2013 Board Meeting

NPDES Program – Permitting

- Sierra Conservation Center Permit Renewal
- City of Colfax WWTP Permit Renewal
- Vendo Ground Water Remediation System Permit Renewal
- Cutler-Orosi WWTF Permit Renewal
- Berry Petroleum, Poso Creek Facility Permit Renewal (Including Revision based on Remand)
- City of Red Bluff WWTP Permit Renewal
- North Yuba/Forbestown WTP Permit Renewal
- City of Redding Stillwater WWTP Permit Renewal
- I'SOT Geothermal Permit Rescission
- Bell Carter, Plant 1 – CDO Rescission

WASTE DISCHARGE REQUIREMENTS (WDR) Program - Disposal to Land

- Delicato Winery (Revised WDRs)
- Morning Star Packing Company (Revised WDRs)
- City of Lone Wastewater Treatment Facility (Revised WDRs)
- Olson Meat (New WDR)
- Friant Ranch (New WDRs)
- City of Tulare (Revised WDRs)
- Garlic Company (Revised WDRs)
- Paramount Farms King Facility (Revised WDRs)

May 2013 Board Meeting

NPDES Program – Permitting

- RMK Mine Permit Renewal
- Copper Cove WWTP Permit Renewal
- City of Davis WWTP Permit Renewal
- City of Jackson WWTP Permit Renewal
- Placer County, SMD3 WWTP Permit Renewal
- Yosemite National Park, Wawona WWTF Permit Renewal
- CalMat Company, Sand and Gravel Facility Permit Renewal
- City of Visalia WWTF Permit Renewal
- Tehama County, Mineral WWTP Permit Renewal
- J.F. Shea/Fawndale Permit Rescission
- Sierra Pacific Industries-Burney Permit Rescission
- Burney Forest Products Permit Rescission

WASTE DISCHARGE REQUIREMENTS (WDR) Program – Disposal to Land

- Murphys Sanitary District Wastewater Treatment Facility (WDRs Amendment)
- Napa Berryessa Resort Improvement District Wastewater Treatment Facility (Revised WDRs)
- Linden Nut Company (New WDRs)
- Burney Forest Power (New WDRs)
- Kiara Solar (New WDRs)
- Canby Ranger Station (Rescission of WDRs)
- Black Butte Recreation Area (Rescission of WDRs)
- Salt Creek Conservation Camp (Rescission of WDRs)
- Sunset Moulding (Rescission of WDRs)
- Ishi Conservation Camp (Rescission of WDRs)
- Pheasant Landing, Phase I (Rescission of WDRs)
- O'Neill Beverage Company Reedley Winery (Revised WDRs)
- E&J Gallo Fresno Winery (Revised WDRs)
- Delano Growers Grape Products (Revised WDRs)
- Baker Commodities Kerman Facility (Revised WDRs)
- The Wine Group, Franzia Winery Sanger (Revised WDRs)

July 2013 Board Meeting

WASTE DISCHARGE REQUIREMENTS (WDR) Program – Disposal to Land

- Salad Cosmo (Revised WDRs)
- SSJID DeGroot Water Treatment Plant (New WDRs)
- Lake Berryessa Resort Improvement District Wastewater Treatment Facility (Revised WDRs)
- Big De Farms Water Recycling Requirements (Revised WRRs)
- Delhi WWTF (Revised WDRs)
- Mendota WWTF (Revised WDRs)
- Olam Key Foods Ingredients (Revised WDRs)
- Sunny Gem, LLC Almond Plant (New WDRs)

Pending actions, but not yet scheduled for a Board meeting

NPDES Program – Permitting

- City of Lodi WWTP Permit Renewal
- Kinder Morgan Fox Road Permit Renewal
- City of Brentwood WWTP Permit Renewal
- City of Vacaville Easterly WWTP Permit Renewal
- Ironhouse Sanitation District WWTP Permit Renewal
- Contra Costa Water District Forest Meadows WWTP Permit Renewal
- City of Yuba City WWTP Permit Renewal
- City of Live Oak WWTP Permit Amendment
- University of California, Davis Aquatic Weed Lab Permit Rescission
- 16 to 1 Mine Permit Issuance
- Community Water Systems General Order
- Southern California Edison, Balsam Meadow Permit Renewal
- Mariposa PUD WWTF Permit Renewal
- City of Merced WWTF Permit Renewal
- Yosemite National Park, El Portal WWTF Permit Renewal
- Bell Carter Industrial Ponds Permit Renewal
- City of Anderson WPCP Permit Renewal
- City of Shasta Lake WWTF Permit Renewal
- City of Alturas WWTP Permit Renewal
- Lehigh Southwest Cement Permit Rescission
- Crystal Creek Aggregate Inc. Permit Rescission
- Sierra Pacific Industries-Quincy Permit Rescission
- SWA at Mountain Gate – Permit Rescission

WASTE DISCHARGE REQUIREMENTS (WDR) Program - Disposal to Land

- Iowa Hill Gravel Mine (New WDRs)
- Wilbur Packing (New WDRs)
- Hughson Nut Company (New WDRs)
- Sacramento Rendering Company (Revised WDRs)
- City of Lathrop Crossroads Wastewater Treatment Facility (Revised WDRs)
- City of Newman Wastewater Treatment Facility (Revised WDRs)
- City of Dixon Wastewater Treatment Facility (revised WDRs)
- Rancho Murieta Wastewater Treatment Facility (Revised WDRs)
- Lehigh Southwest Cement (New WDRs)
- SWA at Mountain Gate (New WDRs)
- Crystal Creek Aggregate, Inc. (New WDRs)
- J.F. Shea/Fawndale Quarry (New WDRs)
- Sierra Pacific Industries-Burney (New WDRs)
- Sierra Pacific Industries-Quincy (New WDRs)
- The Wine Group McFarland Winery (Revised WDRs)
- Victor Raisin Packing (Revised WDRs)
- Low Threat Waiver Resolution R5-2008-0182 (Revision)
- Fresno County Service Area 31B and 41 Shaver Lake (Revised WDRs)
- San Joaquin Wine Company (New WDRs)
- Del Monte Plant 24 (Revised WDRs)

Storm Water Program – Permitting

- City of Fresno/Clovis Municipal Separate Storm Water Permit (Permit Renewal)
- Bakersfield Municipal Separate Storm Water Permit (Permit Renewal)
- City of Stockton/San Joaquin County Municipal Separate Storm Water Permit (Permit Renewal)

ATTACHMENT A

Count of Spills 1 November - 31 December 2012

Count of Spills										
	5F		5F Total	5R	5R Total		5S	5S Total		Grand Total
Date	Category 1	Category 2		Category 1	Category 2		Category 1	Category 2		
Nov	1	10	11	1	3	4	6	225	231	246
Dec	3	7	10	2		2	19	12	31	43
Grand Total	4	17	21	3	3	6	25	237	262	289

Spill Cause	Count of Spills
Root intrusion	159
Grease deposition (FOG)	42
Debri-General	34
Other (specify below)	16
Pipe structural problem/failure	11
Debri-Rags	10
Rainfall exceeded design (Separate CS Only)	6
Pump station failure	6
Flow exceeded capacity (Separate CS Only)	2
Operator error	2
Vandalism	1
Grand Total	289

Category 1 All discharges of sewage resulting from a failure in an Enrollee's sanitary sewer system that:

- A. Equal or exceed 1000 gallons, or
- B. Result in a discharge to a drainage channel and/or surface water; or
- C. Discharge to a storm drainpipe that was not fully captured and returned to the sanitary sewer system.

Category 2 All discharges of sewage resulting from a failure in an Enrollee's sanitary sewer system not meeting the definition of Category 1.

SSOs 1 November to 31 December 2012

Region	Collection System	Spill ID	Certification Status	Spill Type	Spill Location Name	County	Spill Reached Surface Waters	Total Spill Volume (gal)	Spill Volume that Reached Surface Waters (gal)	Start Date	Spill Cause
5S	Grass Valley City CS	788654	Certified	Category 1	Grass Valley WWTP	Nevada	Yes	450000	313500	12/2/2012	Flow exceeded capacity (Separate CS Only)
5R	City Of Oroville CS	788735	Certified	Category 1	MH-JJ25	Butte	Yes	36000	35950	12/1/2012	Other (specify below)
5S	Grass Valley City CS	787834	Certified	Category 1	11442 Slate Creek	Nevada	Yes	13440	13290	11/4/2012	Debri-General
5S	Murphys CS	788887	Certified	Category 1	Manhole # 24	Calaveras	Yes	12000	12000	12/2/2012	Flow exceeded capacity (Separate CS Only)
5S	Grass Valley City CS	788879	Certified	Category 1	412 Brunswick Rd	Nevada	Yes	8250	7950	12/9/2012	Grease deposition (FOG)
5S	Sacramento Area Sewer District CS	788719	Certified	Category 1		63756 Sacramento	Yes	7275	4215	12/2/2012	Grease deposition (FOG)
5S	Olivehurst CS	789102	Certified	Category 1	4491 Bowman	Yuba	No	5000	0	11/21/2012	Grease deposition (FOG)
5R	Red Bluff CS	788854	Certified	Category 1	South Main /Sister Mary Colu	Tehama	Yes	3600	2800	12/5/2012	Other (specify below)
5S	Deer Creek CS	788644	Certified	Category 1	DC-2012-11-08	El Dorado	Yes	2800	2800	11/30/2012	Pipe structural problem/failure
5S	City Of Folsom Utilities Dept CS	789137	Certified	Category 1	310 Willow Creek Dr	Sacramento	No	2160	0	12/13/2012	Other (specify below)
5F	City of Fresno CS	788957	Certified	Category 1	Manhole Number 2254-02	Fresno	No	1890	390	12/7/2012	Other (specify below)
5S	Grass Valley City CS	788998	Certified	Category 1	450 Mill Street	Nevada	Yes	1800	1800	12/2/2012	Other (specify below)
5S	City of Sacramento Utilities CS	788589	Certified	Category 1	924 57TH ST	Sacramento	No	1557	0	11/28/2012	Grease deposition (FOG)
5S	City of Sacramento Utilities CS	788786	Certified	Category 1	1307 58th AVE	Sacramento	No	1259	0	12/2/2012	Grease deposition (FOG)
5S	Grass Valley City CS	789051	Certified	Category 1	534 Butler Street	Nevada	Yes	1200	1190	12/16/2012	Debri-General
5S	City of Sacramento Utilities CS	788790	Certified	Category 1	3706 WILLOW ST	Sacramento	Yes	913	850	12/2/2012	Grease deposition (FOG)
5S	Lake Wildwood CS	788873	Certified	Category 2	LWWTP M/H J 6-1	Nevada	No	900	0	11/30/2012	Rainfall exceeded design (Separate CS Only)
5S	City Of Auburn CS	788793	Certified	Category 2	460 Foresthill Ave	Placer	No	900	0	12/2/2012	Rainfall exceeded design (Separate CS Only)
5S	Hangtown Creek CS	788784	Certified	Category 1	Fiske St at Benham St	El Dorado	No	880	880	12/4/2012	Debri-General
5F	Pleasant Valley State Prison CS	788947	Certified	Category 1	Pleasant Valley State Prison	Fresno	Yes	700	320	12/10/2012	Pump station failure
5S	City of Stockton MUD CS	787973	Certified	Category 2	7078 Plymouth Rd	San Joaquin	No	660	0	11/7/2012	Pump station failure
5S	Deuel Vocational Institution CS	788054	Certified	Category 2	Minimum Dorm Lift Station	San Joaquin	No	650	0	11/12/2012	Pump station failure
5S	City Of Auburn CS	788787	Certified	Category 1	Lincoln & High Ave.	Placer	Yes	600	600	12/2/2012	Rainfall exceeded design (Separate CS Only)
5S	City of Stockton MUD CS	788556	Certified	Category 2	2119 Anne Street Stockton Ca	San Joaquin	No	542	0	11/24/2012	Grease deposition (FOG)
5S	Auburn Lk Trls Onsite WW Disp CS	789575	Certified	Category 2	Lift Station 16	El Dorado	No	525	0	12/13/2012	Pump station failure
5S	City Of Auburn CS	788795	Certified	Category 2	302 Aeolia	Placer	No	500	0	11/22/2012	Root intrusion
5S	Sacramento Area Sewer District CS	789061	Certified	Category 2		62838 Sacramento	No	471	0	11/18/2012	Root intrusion
5S	Sacramento Area Sewer District CS	789359	Certified	Category 2		62244 Sacramento	No	452	0	11/7/2012	Grease deposition (FOG)
5S	City Of Auburn CS	787928	Certified	Category 2	70 Gold St SSO	Placer	No	450	0	11/3/2012	Root intrusion
5F	Porterville, City of CS	789238	Certified	Category 2	W. Sequoia Ct	Tulare	No	435	0	12/19/2012	Grease deposition (FOG)
5S	Olivehurst CS	789097	Certified	Category 2	2272 Mc Gowan Pkwy	Yuba	No	430	0	11/14/2012	Root intrusion
5F	Tuolumne Utilities District CS	789261	Certified	Category 2	manhole at back corner of pro	Tuolumne	No	400	0	12/20/2012	Root intrusion
5S	Manteca CS	789568	Certified	Category 2	777 N. Grant Ave., Manteca, Ca	San Joaquin	No	360	0	11/27/2012	Grease deposition (FOG)
5F	City of Fresno CS	789527	Certified	Category 2	1427 N. Arthur Ave.	Fresno	No	350	0	11/18/2012	Root intrusion
5S	Easterly CS	788228	Certified	Category 2	Rocky Hill RD	Solano	No	325	0	11/19/2012	Grease deposition (FOG)
5S	City Of Antioch CS	789553	Certified	Category 2	32 E 16th St	Contra Costa	No	300	0	11/10/2012	Grease deposition (FOG)
5S	Dry Creek CS	788662	Certified	Category 1	Eastridge Drive- West of Bridge	Placer	Yes	300	300	12/2/2012	Rainfall exceeded design (Separate CS Only)
5S	City Of Folsom Utilities Dept CS	788325	Certified	Category 2	143 Casselman St	Sacramento	No	270	0	11/10/2012	Grease deposition (FOG)
5R	City Of Oroville CS	788001	Certified	Category 2	MH Z24	Butte	No	250	0	11/2/2012	Grease deposition (FOG)
5S	Marysville CS	789227	Certified	Category 2	231 19th Street	Yuba	No	250	0	11/25/2012	Debri-General
5R	Mt Shasta CS	788323	Certified	Category 1	511 McCloud Avenue	Siskiyou	Yes	230	230	11/25/2012	Debri-General
5S	Galt CS	788367	Certified	Category 2	1027 Tudor	Sacramento	No	205	0	11/26/2012	Grease deposition (FOG)
5S	Lake of The Pines CS	788687	Certified	Category 1	Lake shore south and Torrey p	Nevada	Yes	200	200	12/2/2012	Rainfall exceeded design (Separate CS Only)
5F	Taft City CS	787978	Certified	Category 2	Alleyway between Ast Street	Kern	No	200	0	11/10/2012	Debri-General
5S	Livingston City CS	788035	Certified	Category 2	1983 Park Strret Livingston, C	Merced	No	200	0	11/13/2012	Debri-General
5R	Plumas Eureka Estates CS	788294	Certified	Category 2	Unit 6 - November 2012	Plumas	No	200	0	11/19/2012	Grease deposition (FOG)
5S	West Sacramento CS	788833	Certified	Category 1	Coke Street/Sellars Street	Yolo	Yes	200	20	12/5/2012	Grease deposition (FOG)
5S	City of Woodland CS	788991	Certified	Category 2	City Cleanout	Yolo	No	186	0	12/6/2012	Other (specify below)
5S	City of Woodland CS	787949	Certified	Category 2	City Cleanout	Yolo	No	153	0	11/6/2012	Root intrusion
5F	Winton Water and Sanitary District CS	789572	Certified	Category 2	Myrtle and Winton Way, Win	Merced	No	150	0	12/7/2012	Grease deposition (FOG)
5F	Tuolumne Utilities District CS	787955	Certified	Category 1	clean out at back side of cour	Tuolumne	Yes	140	20	11/8/2012	Vandalism

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Category 2: All discharges of sewage resulting from a failure in an individual's sanitary sewer system not meeting the definition of Category 1.

SSOs 1 November to 31 December 2012

Region	Collection System	Spill ID	Certification Status	Spill Type	Spill Location Name	County	Spill Reached Surface Waters	Total Spill Volume (gal)	Spill Volume that Reached Surface Waters (gal)	Start Date	Spill Cause
5S	El Dorado Hills CS	788697	Certified	Category 1	EDH-2012-12-03	El Dorado	Yes	138	138	12/2/2012	Pump station failure
5S	City of Woodland CS	789212	Certified	Category 2	Private Cleanout	Yolo	No	120	0	11/26/2012	Other (specify below)
5F	City of Fresno CS	789144	Certified	Category 1	Manhole 2153-35	Fresno	No	115	50	12/15/2012	Root intrusion
5S	Olivehurst CS	789108	Certified	Category 2	1838 8th Ave.	Yuba	No	103	0	11/26/2012	Root intrusion
5S	Clearlake Oaks Co Wtr Dis CS	789476	Certified	Category 1	12735 Island Circle Dr.	Lake	Yes	100	70	12/17/2012	Debri-Rags
5S	Hangtown Creek CS	789492	Certified	Category 1	2971 Miller Way	El Dorado	Yes	100	100	12/26/2012	Grease deposition (FOG)
5S	Dry Creek CS	788660	Certified	Category 1	Eastridge Drive -East of Bridge	Placer	Yes	100	100	12/2/2012	Rainfall exceeded design (Separate CS Only)
5S	Modesto CS	788227	Certified	Category 2	1725 Barbara Way	Stanislaus	No	100	0	11/14/2012	Root intrusion
5F	City Of Bakersfield CS	788388	Certified	Category 2	Oakdale/ Bank st	Kern	No	100	100	11/17/2012	Pump station failure
5S	Hangtown Creek CS	788584	Certified	Category 2	954 Spring Street	El Dorado	No	100	0	11/22/2012	Other (specify below)
5F	North of River Sanitary District #1 CS	788683	Certified	Category 2	China Grade	Kern	No	100	0	11/29/2012	Grease deposition (FOG)
5S	Jamestown SD CS	789569	Certified	Category 2	18171 6th Ave	Tuolumne	No	100	0	12/20/2012	Root intrusion
5S	Angels Camp CS	788729	Certified	Category 2	766 Mark Twain	Calaveras	No	90	0	12/2/2012	Debri-General
5S	City of Stockton MUD CS	788408	Certified	Category 2	808 Bristol Ave.	San Joaquin	No	87	0	11/19/2012	Debri-General
5F	Tuolumne Utilities District CS	788667	Certified	Category 2	m/h in street in front of address	Tuolumne	No	85	0	11/29/2012	Grease deposition (FOG)
5S	City of Woodland CS	788529	Certified	Category 2	City Cleanout	Yolo	No	80	0	11/9/2012	Pipe structural problem/failure
5F	City Of Bakersfield CS	788425	Certified	Category 2	Toluca dr. & Mazatlan dr.	Kern	No	80	50	11/25/2012	Debri-Rags
5S	Dry Creek CS	788187	Certified	Category 2	2208 Bud Ct	Placer	No	75	0	11/5/2012	Root intrusion
5S	Ceres CS	789388	Certified	Category 2	1113 Symphony	Stanislaus	No	75	0	12/24/2012	Grease deposition (FOG)
5S	Grass Valley City CS	788997	Certified	Category 1	108 Scotia Pines Circle	Nevada	Yes	50	50	12/12/2012	Debri-Rags
5S	Hangtown Creek CS	788359	Certified	Category 1	571 Canal St	El Dorado	No	50	50	11/1/2012	Other (specify below)
5S	Rancho Murieta Community Service Dis	787983	Certified	Category 2	behind 6925 Lindero Ln	Sacramento	No	50	50	11/12/2012	Debri-Rags
5S	Jamestown SD CS	788034	Certified	Category 2	10567 9th Street	Tuolumne	No	50	0	11/13/2012	Root intrusion
5F	Tuolumne Utilities District CS	788341	Certified	Category 2	clean out box in street in front of	Tuolumne	No	50	0	11/23/2012	Root intrusion
5R	Red Bluff CS	788631	Certified	Category 2	1730 Southridge	Tehama	No	50	0	11/23/2012	Debri-General
5F	Tuolumne Utilities District CS	788343	Certified	Category 2	clean out in street	Tuolumne	No	50	0	11/24/2012	Root intrusion
5S	Davis CS	788569	Certified	Category 2	1006 sycamore Lane	Yolo	No	50	0	11/29/2012	Debri-General
5F	Selma-Kingsburg-Fowler CS	788803	Certified	Category 2	2860 Logan	Fresno	No	50	0	12/5/2012	Debri-General
5S	Yuba City CS	788921	Certified	Category 2		12-Sep Sutter	No	50	0	12/8/2012	Debri-Rags
5S	Angels Camp CS	789145	Certified	Category 2	1071 S.Main St.	Calaveras	No	50	0	12/18/2012	Debri-General
5S	Grass Valley City CS	789239	Certified	Category 2	506 Minnie Street	Nevada	No	50	0	12/19/2012	Debri-General
5F	Twain Harte CSD CS	789424	Certified	Category 2	Gables Inn	Tuolumne	No	50	0	12/23/2012	Debri-General
5S	City of Sacramento Combined CS	788642	Certified	Category 2	4334 4TH AVE	Sacramento	No	48	0	11/30/2012	Debri-Rags
5S	City of Stockton MUD CS	788461	Certified	Category 2	623 S Lincoln St.	San Joaquin	No	45	0	11/23/2012	Root intrusion
5S	City of Stockton MUD CS	788557	Certified	Category 2	1625 Saint Marks Plaza	San Joaquin	No	40	0	11/21/2012	Debri-General
5S	Sacramento Area Sewer District CS	789165	Certified	Category 2		63140 Sacramento	No	40	0	11/23/2012	Root intrusion
5S	Dry Creek CS	788186	Certified	Category 2	601 Encinal	Placer	No	35	0	11/3/2012	Root intrusion
5S	City of Woodland CS	788523	Certified	Category 2	City Cleanout	Yolo	No	35	0	11/26/2012	Other (specify below)
5S	City of Sacramento Utilities CS	787899	Certified	Category 2	7032 EL SERENO CR	Sacramento	No	34	0	11/6/2012	Root intrusion
5S	City of Sacramento Combined CS	788585	Certified	Category 2	2740 24TH ST	Sacramento	No	34	0	11/28/2012	Grease deposition (FOG)
5S	City of Sacramento Combined CS	788641	Certified	Category 2	2260 19th AVE	Sacramento	No	34	0	11/30/2012	Debri-General
5S	City of Sacramento Utilities CS	788369	Certified	Category 2	7261 LOMA VERDE WAY	Sacramento	No	33	0	11/21/2012	Grease deposition (FOG)
5S	City of Stockton MUD CS	787940	Certified	Category 2	611 North Edison St. Stockton	San Joaquin	No	31	0	11/3/2012	Grease deposition (FOG)
5S	City Of Antioch CS	787908	Certified	Category 2	619 WEST 2ND ST	Contra Costa	No	30	0	11/2/2012	Grease deposition (FOG)
5S	Yuba City CS	788377	Certified	Category 2		12-Aug Sutter	No	30	0	11/26/2012	Grease deposition (FOG)
5S	Sacramento Area Sewer District CS	789309	Certified	Category 2		63726 Sacramento	No	30	0	11/30/2012	Root intrusion
5S	City of Sacramento Utilities CS	788586	Certified	Category 2	GREENHAVEN DR & MOONLIT	Sacramento	No	28	0	11/29/2012	Grease deposition (FOG)
5S	Dry Creek CS	788172	Certified	Category 2	1100 Creekridge Ct	Placer	No	25	0	11/1/2012	Root intrusion
5S	Sacramento Area Sewer District CS	788479	Certified	Category 2		62460 Sacramento	No	25	0	11/11/2012	Debri-General
5S	Sacramento Area Sewer District CS	788595	Certified	Category 2		62642 Sacramento	No	25	0	11/14/2012	Grease deposition (FOG)
5S	City Of Antioch CS	789557	Certified	Category 2	1931 Chestnut	Contra Costa	No	25	0	11/23/2012	Debri-General

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Category 2. All discharges of sewage resulting from a failure in an individual's sanitary sewer system not meeting the definition of Category 1.

SSOs 1 November to 31 December 2012

Region	Collection System	Spill ID	Certification Status	Spill Type	Spill Location Name	County	Spill Reached Surface Waters	Total Spill Volume (gal)	Spill Volume that Reached Surface Waters (gal)	Start Date	Spill Cause
5S	Woodbridge Sd CS	788361	Certified	Category 2	Manhole	San Joaquin	No	25	0	11/26/2012	Grease deposition (FOG)
5S	Angels Camp CS	788636	Certified	Category 2	1758 ramorini Ln	Calaveras	No	25	25	11/30/2012	Debri-Rags
5S	Discovery Park	787961	Certified	Category 1	Bridge from Garden Highway	Sacramento	Yes	25	25	11/2/2012	Debri-Rags
5F	Laton CSD CS	789387	Certified	Category 2	LH#8	Fresno	No	25	0	12/24/2012	Debri-General
5S	Grass Valley City CS	789421	Certified	Category 2	1784 East Main Street	Nevada	No	25	0	12/26/2012	Debri-General
5S	Sacramento Area Sewer District CS	788460	Certified	Category 2		61805 Sacramento	No	20	0	11/1/2012	Root intrusion
5S	Sacramento Area Sewer District CS	788466	Certified	Category 2		61840 Sacramento	No	20	0	11/2/2012	Root intrusion
5S	Sacramento Area Sewer District CS	789024	Certified	Category 2		62193 Sacramento	No	20	0	11/7/2012	Grease deposition (FOG)
5S	Sacramento Area Sewer District CS	789053	Certified	Category 2		62700 Sacramento	No	20	0	11/14/2012	Root intrusion
5S	Sacramento Area Sewer District CS	788600	Certified	Category 2		62738 Sacramento	No	20	0	11/15/2012	Debri-General
5S	Sacramento Area Sewer District CS	789360	Certified	Category 2		62746 Sacramento	No	20	0	11/16/2012	Root intrusion
5S	Sacramento Area Sewer District CS	789253	Certified	Category 2		62807 Sacramento	No	20	0	11/17/2012	Other (specify below)
5F	City Of Bakersfield CS	788418	Certified	Category 2	2000 30th St.	Kern	No	20	5	11/21/2012	Grease deposition (FOG)
5S	Sacramento Area Sewer District CS	789264	Certified	Category 2		63335 Sacramento	No	20	0	11/27/2012	Root intrusion
5S	Rancho Murieta Community Service Dis	789032	Certified	Category 2	behind 6925 Lindero Lane	Sacramento	No	20	0	12/13/2012	Debri-Rags
5S	Sacramento Area Sewer District CS	789366	Certified	Category 2		62909 Sacramento	No	16	0	11/19/2012	Root intrusion
5S	Sacramento Area Sewer District CS	788591	Certified	Category 2		61991 Sacramento	No	15	0	11/5/2012	Root intrusion
5S	Manteca CS	789564	Certified	Category 2	1057 Topaz Ct., Manteca, CA.	San Joaquin	No	15	0	11/7/2012	Debri-General
5S	Sacramento Area Sewer District CS	789250	Certified	Category 2		62747 Sacramento	No	15	0	11/14/2012	Root intrusion
5S	Sacramento Area Sewer District CS	789069	Certified	Category 2		62923 Sacramento	No	15	0	11/19/2012	Root intrusion
5S	Sacramento Area Sewer District CS	789183	Certified	Category 2		63199 Sacramento	No	15	0	11/25/2012	Root intrusion
5S	Manteca CS	789562	Certified	Category 2	656 Kings Lane, Manteca, CA.	San Joaquin	No	13	0	11/1/2012	Debri-General
5S	Sacramento Area Sewer District CS	789011	Certified	Category 2		62020 Sacramento	No	13	0	11/5/2012	Grease deposition (FOG)
5S	Sacramento Area Sewer District CS	789066	Certified	Category 2		62888 Sacramento	No	13	0	11/19/2012	Root intrusion
5S	Sacramento Area Sewer District CS	788593	Certified	Category 2		62487 Sacramento	No	12	0	11/13/2012	Root intrusion
5S	Sacramento Area Sewer District CS	789361	Certified	Category 2		62793 Sacramento	No	12	0	11/16/2012	Grease deposition (FOG)
5S	Hangtown Creek CS	788583	Certified	Category 2	691 Wentworth Court	El Dorado	No	12	0	11/17/2012	Grease deposition (FOG)
5S	Sacramento Area Sewer District CS	789073	Certified	Category 2		63038 Sacramento	No	12	0	11/20/2012	Root intrusion
5S	Sacramento Area Sewer District CS	789370	Certified	Category 2		63714 Sacramento	No	12	0	11/30/2012	Root intrusion
5S	Sacramento Area Sewer District CS	789158	Certified	Category 2		61806 Sacramento	No	10	0	11/1/2012	Other (specify below)
5S	Sacramento Area Sewer District CS	788587	Certified	Category 2		61934 Sacramento	No	10	0	11/4/2012	Debri-General
5S	Sacramento Area Sewer District CS	789025	Certified	Category 2		62264 Sacramento	No	10	0	11/7/2012	Grease deposition (FOG)
5S	City Of Antioch CS	789551	Certified	Category 2	2411 Desrys	Contra Costa	No	10	0	11/8/2012	Root intrusion
5S	Yuba City CS	788000	Certified	Category 2		12-Jul Sutter	No	10	0	11/9/2012	Pipe structural problem/failure
5S	California State Prison, Sacramento CS	788122	Certified	Category 2	A - Facility CTC 2 large side m	Sacramento	No	10	0	11/13/2012	Debri-Rags
5S	SMD No. 2 CS	788154	Certified	Category 2	Cavitt Stallman Road	Placer	No	10	0	11/14/2012	Root intrusion
5S	Sacramento Area Sewer District CS	788599	Certified	Category 2		62731 Sacramento	No	10	0	11/16/2012	Root intrusion
5S	Davis CS	788412	Certified	Category 2	1801 Oak Avenue	Yolo	No	10	0	11/19/2012	Root intrusion
5F	City Of Bakersfield CS	788402	Certified	Category 2	33rd & K st.	Kern	No	10	6	11/21/2012	Grease deposition (FOG)
5S	Davis CS	788415	Certified	Category 2	2518 Lafayette Drive Davis CA	Yolo	No	10	0	11/22/2012	Root intrusion
5S	City Of Brentwood CS	788710	Certified	Category 2	889 George Ct	Contra Costa	No	10	0	11/25/2012	Grease deposition (FOG)
5S	Dry Creek CS	789256	Certified	Category 2	1501 East Colonial	Placer	No	10	0	11/26/2012	Root intrusion
5S	Sacramento Area Sewer District CS	789258	Certified	Category 2		63207 Sacramento	No	10	0	11/26/2012	Root intrusion
5S	Sacramento Area Sewer District CS	789070	Certified	Category 2		62949 Sacramento	No	9	0	11/18/2012	Root intrusion
5S	Sacramento Area Sewer District CS	788485	Certified	Category 2		61932 Sacramento	No	8	0	11/4/2012	Root intrusion
5S	Davis CS	788004	Certified	Category 2	505 I street Davis CA 95616	Yolo	No	8	0	11/12/2012	Root intrusion
5S	Sacramento Area Sewer District CS	788467	Certified	Category 2		61889 Sacramento	No	7	0	11/2/2012	Root intrusion
5S	Sacramento Area Sewer District CS	788464	Certified	Category 2		61828 Sacramento	No	6	0	11/2/2012	Root intrusion
5S	Manteca CS	789563	Certified	Category 2	939 Marin St., Manteca, CA. 9	San Joaquin	No	6	0	11/6/2012	Debri-General
5S	Sacramento Area Sewer District CS	789016	Certified	Category 2		62107 Sacramento	No	6	0	11/6/2012	Root intrusion
5S	Sacramento Area Sewer District CS	789071	Certified	Category 2		62958 Sacramento	No	6	0	11/18/2012	Root intrusion

Category 1: All discharges of sewage resulting from a failure in an individual's sanitary sewer system that:

- A. Equal or exceed 5000 gallons; or
- B. Result in a discharge to a drainage channel and/or surface water; or
- C. Discharge to a storm drainpipe that was not fully captured and returned to the sanitary sewer system.

Category 2: All discharges of sewage resulting from a failure in an individual's sanitary sewer system not meeting the definition of Category 1.

SSOs 1 November to 31 December 2012

Region	Collection System	Spill ID	Certification Status	Spill Type	Spill Location Name	County	Spill Reached Surface Waters	Total Spill Volume (gal)	Spill Volume that Reached Surface Waters (gal)	Start Date	Spill Cause
5S	Sacramento Area Sewer District CS	789268	Certified	Category 2	63409	Sacramento	No	6	0	11/27/2012	Root intrusion
5S	Sacramento Area Sewer District CS	788463	Certified	Category 2	61811	Sacramento	No	5	0	11/2/2012	Root intrusion
5S	Sacramento Area Sewer District CS	789014	Certified	Category 2	62036	Sacramento	No	5	0	11/5/2012	Grease deposition (FOG)
5S	Sacramento Area Sewer District CS	789026	Certified	Category 2	62278	Sacramento	No	5	0	11/8/2012	Root intrusion
5S	Sacramento Area Sewer District CS	789027	Certified	Category 2	62283	Sacramento	No	5	0	11/8/2012	Debri-General
5S	Sacramento Area Sewer District CS	788476	Certified	Category 2	62452	Sacramento	No	5	0	11/10/2012	Pipe structural problem/failure
5S	Sacramento Area Sewer District CS	789039	Certified	Category 2	62464	Sacramento	No	5	0	11/11/2012	Root intrusion
5S	Manteca CS	789565	Certified	Category 2	436 Michigan Ave., Manteca,	San Joaquin	No	5	0	11/13/2012	Debri-General
5S	Sacramento Area Sewer District CS	789052	Certified	Category 2	62560	Sacramento	No	5	0	11/13/2012	Root intrusion
5S	Sacramento Area Sewer District CS	789055	Certified	Category 2	62748	Sacramento	No	5	0	11/16/2012	Root intrusion
5S	Sacramento Area Sewer District CS	789057	Certified	Category 2	62770	Sacramento	No	5	0	11/16/2012	Root intrusion
5S	Sacramento Area Sewer District CS	789065	Certified	Category 2	62876	Sacramento	No	5	0	11/17/2012	Debri-General
5S	Sacramento Area Sewer District CS	789254	Certified	Category 2	62828	Sacramento	No	5	0	11/18/2012	Root intrusion
5S	Sacramento Area Sewer District CS	789076	Certified	Category 2	63059	Sacramento	No	5	0	11/20/2012	Root intrusion
5S	Sacramento Area Sewer District CS	789078	Certified	Category 2	63088	Sacramento	No	5	0	11/21/2012	Root intrusion
5S	Sacramento Area Sewer District CS	789079	Certified	Category 2	63101	Sacramento	No	5	0	11/21/2012	Root intrusion
5S	Sacramento Area Sewer District CS	789173	Certified	Category 2	63168	Sacramento	No	5	0	11/24/2012	Root intrusion
5S	Sacramento Area Sewer District CS	789176	Certified	Category 2	63186	Sacramento	No	5	0	11/24/2012	Root intrusion
5S	Sacramento Area Sewer District CS	789257	Certified	Category 2	63204	Sacramento	No	5	0	11/25/2012	Root intrusion
5S	Sacramento Area Sewer District CS	789368	Certified	Category 2	63285	Sacramento	No	5	0	11/26/2012	Root intrusion
5S	Sacramento Area Sewer District CS	789270	Certified	Category 2	63446	Sacramento	No	5	0	11/27/2012	Root intrusion
5S	Dry Creek CS	789248	Certified	Category 2	1955 Inglis Way	Placer	No	5	0	11/28/2012	Root intrusion
5S	Sacramento Area Sewer District CS	789300	Certified	Category 2	63539	Sacramento	No	5	0	11/28/2012	Root intrusion
5S	Dry Creek CS	789272	Certified	Category 2	120 Fig Street	Placer	No	5	0	12/14/2012	Root intrusion
5F	Kern Sanitation Authority CS	789524	Certified	Category 2	2523 Potomac	Kern	No	5	0	12/26/2012	Debri-General
5S	Sacramento Area Sewer District CS	788470	Certified	Category 2	61905	Sacramento	No	4	0	11/2/2012	Other (specify below)
5S	Sacramento Area Sewer District CS	788474	Certified	Category 2	61924	Sacramento	No	4	0	11/3/2012	Root intrusion
5S	Sacramento Area Sewer District CS	788592	Certified	Category 2	62009	Sacramento	No	4	0	11/5/2012	Root intrusion
5S	Sacramento Area Sewer District CS	789028	Certified	Category 2	62310	Sacramento	No	4	0	11/8/2012	Root intrusion
5S	Sacramento Area Sewer District CS	788594	Certified	Category 2	62636	Sacramento	No	4	0	11/14/2012	Root intrusion
5S	Sacramento Area Sewer District CS	789072	Certified	Category 2	63022	Sacramento	No	4	0	11/20/2012	Root intrusion
5S	Sacramento Area Sewer District CS	789174	Certified	Category 2	63172	Sacramento	No	4	0	11/24/2012	Grease deposition (FOG)
5S	Sacramento Area Sewer District CS	789265	Certified	Category 2	63363	Sacramento	No	4	0	11/27/2012	Root intrusion
5S	Sacramento Area Sewer District CS	789267	Certified	Category 2	63408	Sacramento	No	4	0	11/27/2012	Root intrusion
5S	Sacramento Area Sewer District CS	789303	Certified	Category 2	63617	Sacramento	No	4	0	11/29/2012	Root intrusion
5S	Sacramento Area Sewer District CS	789159	Certified	Category 2	61823	Sacramento	No	3	0	11/2/2012	Root intrusion
5S	Sacramento Area Sewer District CS	788471	Certified	Category 2	61912	Sacramento	No	3	0	11/3/2012	Other (specify below)
5S	Sacramento Area Sewer District CS	789009	Certified	Category 2	61949	Sacramento	No	3	0	11/4/2012	Root intrusion
5S	Sacramento Area Sewer District CS	789160	Certified	Category 2	61941	Sacramento	No	3	0	11/4/2012	Grease deposition (FOG)
5S	Sacramento Area Sewer District CS	788588	Certified	Category 2	61960	Sacramento	No	3	0	11/5/2012	Root intrusion
5S	Sacramento Area Sewer District CS	789010	Certified	Category 2	61954	Sacramento	No	3	0	11/5/2012	Root intrusion
5S	Sacramento Area Sewer District CS	789013	Certified	Category 2	62026	Sacramento	No	3	0	11/5/2012	Root intrusion
5S	Sacramento Area Sewer District CS	789357	Certified	Category 2	62168	Sacramento	No	3	0	11/7/2012	Root intrusion
5S	Sacramento Area Sewer District CS	789038	Certified	Category 2	62461	Sacramento	No	3	0	11/11/2012	Root intrusion
5S	Sacramento Area Sewer District CS	789040	Certified	Category 2	62474	Sacramento	No	3	0	11/12/2012	Root intrusion
5S	Grass Valley City CS	788165	Certified	Category 2	136 Mainhart Drive	Nevada	No	3	0	11/13/2012	Root intrusion
5S	Sacramento Area Sewer District CS	788484	Certified	Category 2	62493	Sacramento	No	3	0	11/13/2012	Root intrusion
5S	Sacramento Area Sewer District CS	788596	Certified	Category 2	62652	Sacramento	No	3	0	11/14/2012	Root intrusion
5S	Sacramento Area Sewer District CS	789064	Certified	Category 2	62866	Sacramento	No	3	0	11/18/2012	Root intrusion
5S	Sacramento Area Sewer District CS	789067	Certified	Category 2	62889	Sacramento	No	3	0	11/19/2012	Root intrusion
5S	Manteca CS	789567	Certified	Category 2	655 Verda Dr., Manteca, CA,	San Joaquin	No	3	0	11/20/2012	Root intrusion

Category 1: All discharges of sewage resulting from a failure in an Inflow's sanitary sewer system that:

A. Equal or exceed 5000 gallons; or

B. Result in a discharge to a drainage channel and/or surface water; or

C. Discharge to a storm drainpipe that was not fully captured and returned to the sanitary sewer system.

Category 2: All discharges of sewage resulting from a failure in an Inflow's sanitary sewer system not meeting the definition of Category 1.

SSOs 1 November to 31 December 2012

Region	Collection System	Spill ID	Certification Status	Spill Type	Spill Location Name	County	Spill Reached Surface Waters	Total Spill Volume (gal)	Spill Volume that Reached Surface Waters (gal)	Start Date	Spill Cause
55	City of Sacramento Combined CS	788270	Certified	Category 2	2621 FREEPORT BLVD	Sacramento	No	3	0	11/20/2012	Root intrusion
55	Sacramento Area Sewer District CS	789164	Certified	Category 2	63139	Sacramento	No	3	0	11/23/2012	Root intrusion
55	Sacramento Area Sewer District CS	789171	Certified	Category 2	63153	Sacramento	No	3	0	11/23/2012	Root intrusion
55	Dry Creek CS	789240	Certified	Category 2	1941 Inglis Way	Placer	No	3	0	11/24/2012	Root intrusion
55	Sacramento Area Sewer District CS	789260	Certified	Category 2	63260	Sacramento	No	3	0	11/26/2012	Root intrusion
55	Sacramento Area Sewer District CS	789269	Certified	Category 2	63413	Sacramento	No	3	0	11/26/2012	Root intrusion
55	Sacramento Area Sewer District CS	789266	Certified	Category 2	63364	Sacramento	No	3	0	11/27/2012	Root intrusion
55	Sacramento Area Sewer District CS	789301	Certified	Category 2	63541	Sacramento	No	3	0	11/28/2012	Other (specify below)
55	Sacramento Area Sewer District CS	789302	Certified	Category 2	63543	Sacramento	No	3	0	11/28/2012	Root intrusion
55	Sacramento Area Sewer District CS	788458	Certified	Category 2	61746	Sacramento	No	2	0	11/1/2012	Root intrusion
55	Sacramento Area Sewer District CS	788468	Certified	Category 2	61903	Sacramento	No	2	0	11/2/2012	Root intrusion
55	Sacramento Area Sewer District CS	788472	Certified	Category 2	61917	Sacramento	No	2	0	11/3/2012	Root intrusion
55	Sacramento Area Sewer District CS	789008	Certified	Category 2	61939	Sacramento	No	2	0	11/4/2012	Root intrusion
55	Sacramento Area Sewer District CS	789021	Certified	Category 2	62156	Sacramento	No	2	0	11/5/2012	Root intrusion
55	Sacramento Area Sewer District CS	789020	Certified	Category 2	62155	Sacramento	No	2	0	11/6/2012	Root intrusion
55	Sacramento Area Sewer District CS	789022	Certified	Category 2	62160	Sacramento	No	2	0	11/6/2012	Root intrusion
55	Sacramento Area Sewer District CS	789029	Certified	Category 2	62320	Sacramento	No	2	0	11/8/2012	Other (specify below)
55	Sacramento Area Sewer District CS	789031	Certified	Category 2	62361	Sacramento	No	2	0	11/8/2012	Root intrusion
55	Sacramento Area Sewer District CS	789034	Certified	Category 2	62434	Sacramento	No	2	0	11/9/2012	Root intrusion
55	Sacramento Area Sewer District CS	789035	Certified	Category 2	62435	Sacramento	No	2	0	11/9/2012	Pipe structural problem/failure
55	Sacramento Area Sewer District CS	789041	Certified	Category 2	62475	Sacramento	No	2	0	11/12/2012	Pipe structural problem/failure
55	Sacramento Area Sewer District CS	789043	Certified	Category 2	62505	Sacramento	No	2	0	11/13/2012	Root intrusion
55	Sacramento Area Sewer District CS	789044	Certified	Category 2	62540	Sacramento	No	2	0	11/13/2012	Root intrusion
55	Sacramento Area Sewer District CS	789249	Certified	Category 2	62514	Sacramento	No	2	0	11/13/2012	Operator error
55	City Of Antioch CS	789554	Certified	Category 2	315 E 13th St	Contra Costa	No	2	0	11/15/2012	Root intrusion
55	Sacramento Area Sewer District CS	788487	Certified	Category 2	62729	Sacramento	No	2	0	11/15/2012	Root intrusion
55	Sacramento Area Sewer District CS	788598	Certified	Category 2	62720	Sacramento	No	2	0	11/15/2012	Pipe structural problem/failure
55	Sacramento Area Sewer District CS	789058	Certified	Category 2	62796	Sacramento	No	2	0	11/16/2012	Root intrusion
55	Sacramento Area Sewer District CS	789060	Certified	Category 2	62821	Sacramento	No	2	0	11/17/2012	Root intrusion
55	Sacramento Area Sewer District CS	789322	Certified	Category 2	62818	Sacramento	No	2	0	11/17/2012	Root intrusion
55	Manteca CS	789566	Certified	Category 2	232 Marie Ave., Manteca, CA.	San Joaquin	No	2	0	11/19/2012	Debri-General
55	Sacramento Area Sewer District CS	789255	Certified	Category 2	62869	Sacramento	No	2	0	11/19/2012	Root intrusion
55	Sacramento Area Sewer District CS	789367	Certified	Category 2	62940	Sacramento	No	2	0	11/19/2012	Debri-General
55	Sacramento Area Sewer District CS	789075	Certified	Category 2	63039	Sacramento	No	2	0	11/20/2012	Root intrusion
55	Sacramento Area Sewer District CS	789080	Certified	Category 2	63109	Sacramento	No	2	0	11/21/2012	Root intrusion
55	Sacramento Area Sewer District CS	789162	Certified	Category 2	63113	Sacramento	No	2	0	11/21/2012	Root intrusion
55	Sacramento Area Sewer District CS	789163	Certified	Category 2	63117	Sacramento	No	2	0	11/21/2012	Root intrusion
55	Sacramento Area Sewer District CS	789172	Certified	Category 2	63158	Sacramento	No	2	0	11/21/2012	Root intrusion
55	City Of Antioch CS	789555	Certified	Category 2	307 E 13th	Contra Costa	No	2	0	11/22/2012	Root intrusion
55	Sacramento Area Sewer District CS	789166	Certified	Category 2	63141	Sacramento	No	2	0	11/23/2012	Root intrusion
55	Sacramento Area Sewer District CS	789168	Certified	Category 2	63144	Sacramento	No	2	0	11/23/2012	Root intrusion
55	Sacramento Area Sewer District CS	789169	Certified	Category 2	63147	Sacramento	No	2	0	11/23/2012	Debri-General
55	Sacramento Area Sewer District CS	789170	Certified	Category 2	63151	Sacramento	No	2	0	11/23/2012	Root intrusion
55	Sacramento Area Sewer District CS	789177	Certified	Category 2	63190	Sacramento	No	2	0	11/25/2012	Root intrusion
55	Sacramento Area Sewer District CS	789181	Certified	Category 2	63193	Sacramento	No	2	0	11/25/2012	Root intrusion
55	Sacramento Area Sewer District CS	789259	Certified	Category 2	63233	Sacramento	No	2	0	11/26/2012	Root intrusion
55	Sacramento Area Sewer District CS	789262	Certified	Category 2	63280	Sacramento	No	2	0	11/26/2012	Root intrusion
55	Sacramento Area Sewer District CS	789271	Certified	Category 2	63468	Sacramento	No	2	0	11/28/2012	Root intrusion
55	Sacramento Area Sewer District CS	789299	Certified	Category 2	63478	Sacramento	No	2	0	11/28/2012	Root intrusion
55	Sacramento Area Sewer District CS	789304	Certified	Category 2	63645	Sacramento	No	2	0	11/28/2012	Root intrusion
55	Sacramento Area Sewer District CS	789305	Certified	Category 2	63649	Sacramento	No	2	0	11/28/2012	Root intrusion

Category 1: All discharges of sewage resulting from a failure in an individual's sanitary sewer system that:

- A. Equal or exceed 5000 gallons; or
- B. Result in a discharge to a drainage channel and/or surface water; or
- C. Discharge to a storm drainpipe that was not fully captured and returned to the sanitary sewer system.

Category 2: All discharges of sewage resulting from a failure in an individual's sanitary sewer system not meeting the definition of Category 1.

SSOs 1 November to 31 December 2012

Region	Collection System	Spill ID	Certification Status	Spill Type	Spill Location Name	County	Spill Reached Surface Waters	Total Spill Volume (gal)	Spill Volume that Reached Surface Waters (gal)	Start Date	Spill Cause
5S	Sacramento Area Sewer District CS	789369	Certified	Category 2	63572	Sacramento	No	2	0	11/29/2012	Root intrusion
5S	Sacramento Area Sewer District CS	789372	Certified	Category 2	63732	Sacramento	No	2	0	11/29/2012	Root intrusion
5S	Sacramento Area Sewer District CS	789307	Certified	Category 2	63667	Sacramento	No	2	0	11/30/2012	Root intrusion
5S	Sacramento Area Sewer District CS	789308	Certified	Category 2	63720	Sacramento	No	2	0	11/30/2012	Root intrusion
5S	Sacramento Area Sewer District CS	788462	Certified	Category 2	61809	Sacramento	No	1	0	11/1/2012	Root intrusion
5S	Sacramento Area Sewer District CS	789007	Certified	Category 2	61915	Sacramento	No	1	0	11/3/2012	Debri-General
5S	Sacramento Area Sewer District CS	788590	Certified	Category 2	61966	Sacramento	No	1	0	11/4/2012	Root intrusion
5S	Sacramento Area Sewer District CS	789012	Certified	Category 2	62025	Sacramento	No	1	0	11/5/2012	Root intrusion
5S	Sacramento Area Sewer District CS	789015	Certified	Category 2	62086	Sacramento	No	1	0	11/5/2012	Root intrusion
5S	City of Woodland CS	787950	Certified	Category 2	City Cleanout	Yolo	No	1	0	11/6/2012	Root intrusion
5S	Sacramento Area Sewer District CS	789161	Certified	Category 2	62226	Sacramento	No	1	0	11/7/2012	Operator error
5S	Sacramento Area Sewer District CS	789037	Certified	Category 2	62447	Sacramento	No	1	0	11/10/2012	Root intrusion
5S	Sacramento Area Sewer District CS	788477	Certified	Category 2	62456	Sacramento	No	1	0	11/11/2012	Root intrusion
5S	Sacramento Area Sewer District CS	788480	Certified	Category 2	62463	Sacramento	No	1	0	11/11/2012	Root intrusion
5S	Sacramento Area Sewer District CS	788481	Certified	Category 2	62467	Sacramento	No	1	0	11/11/2012	Root intrusion
5S	Sacramento Area Sewer District CS	788482	Certified	Category 2	62469	Sacramento	No	1	0	11/12/2012	Root intrusion
5S	Sacramento Area Sewer District CS	788483	Certified	Category 2	62473	Sacramento	No	1	0	11/12/2012	Root intrusion
5S	Sacramento Area Sewer District CS	789042	Certified	Category 2	62481	Sacramento	No	1	0	11/12/2012	Root intrusion
5S	Sacramento Area Sewer District CS	788597	Certified	Category 2	62698	Sacramento	No	1	0	11/15/2012	Root intrusion
5S	Sacramento Area Sewer District CS	789054	Certified	Category 2	62745	Sacramento	No	1	0	11/16/2012	Grease deposition (FOG)
5S	Sacramento Area Sewer District CS	789056	Certified	Category 2	62768	Sacramento	No	1	0	11/16/2012	Root intrusion
5S	Sacramento Area Sewer District CS	789059	Certified	Category 2	62799	Sacramento	No	1	0	11/16/2012	Root intrusion
5S	Sacramento Area Sewer District CS	789251	Certified	Category 2	62804	Sacramento	No	1	0	11/17/2012	Pipe structural problem/failure
5S	Sacramento Area Sewer District CS	789252	Certified	Category 2	62806	Sacramento	No	1	0	11/17/2012	Root intrusion
5S	Sacramento Area Sewer District CS	789363	Certified	Category 2	62808	Sacramento	No	1	0	11/17/2012	Pipe structural problem/failure
5S	Sacramento Area Sewer District CS	789062	Certified	Category 2	62841	Sacramento	No	1	0	11/18/2012	Pipe structural problem/failure
5S	Sacramento Area Sewer District CS	789077	Certified	Category 2	63085	Sacramento	No	1	0	11/21/2012	Root intrusion
5S	Sacramento Area Sewer District CS	788925	Certified	Category 2	63120	Sacramento	No	1	0	11/22/2012	Pipe structural problem/failure
5S	Sacramento Area Sewer District CS	789179	Certified	Category 2	63192	Sacramento	No	1	0	11/25/2012	Root intrusion
5S	Sacramento Area Sewer District CS	789184	Certified	Category 2	63201	Sacramento	No	1	0	11/25/2012	Root intrusion
5S	Sacramento Area Sewer District CS	789263	Certified	Category 2	63284	Sacramento	No	1	0	11/25/2012	Root intrusion
5S	Sacramento Area Sewer District CS	789385	Certified	Category 2	63320	Sacramento	No	1	0	11/27/2012	Root intrusion
5S	Sacramento Area Sewer District CS	789306	Certified	Category 2	63653	Sacramento	No	1	0	11/29/2012	Root intrusion
5S	Sacramento Area Sewer District CS	789310	Certified	Category 2	63735	Sacramento	No	1	0	11/30/2012	Root intrusion

Category 1. All discharges of sewage resulting from a failure in an Infiltrator's sanitary sewer system that:

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- B. Result in a discharge to a drainage channel and/or surface water; or
- C. Discharge to a storm drainpipe that was not fully captured and returned to the sanitary sewer system.

Category 2. All discharges of sewage resulting from a failure in an Infiltrator's sanitary sewer system not meeting the definition of Category 1.