

California Regional Water Quality Control Board
Central Valley Region

Pamela Creedon, Executive Officer



EXECUTIVE OFFICER'S REPORT
February 18/19, 2016

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SUCCESS STORIES

1. **Union Pacific Railroad Storrie Derailment, Plumas County**

On 30 June 2007 during a train derailment, Union Pacific Railroad (UPRR) spilled 30,000 gallons of denatured ethanol and 25,000 gallons of canola oil into the North Fork Feather River Canyon. Waste flowed onto Plumas National Forest land, and down-slope to private property, the Storrie Retreat. Emergency responders mitigated short-term threats to the nearby Feather River. However, the spill killed several large trees and other plants on National Forest land, de-stabilizing the slope above the Storrie Retreat. In 2007 and 2008, UPRR voluntarily ran a limited near-source soil vapor extraction system, installed groundwater monitoring wells, and began sampling the Storrie Retreat's private domestic well. The 2008, the Executive Officer issued a Cleanup and Abatement Order (Order) to UPRR. Under the Order, UPRR re-vegetated the slope and began monitoring its stability, continued groundwater monitoring, and began soil gas monitoring. Soil gas results showed explosive Methane levels. Therefore, UPRR installed passive ventilation wells; these have proven effective. In 2008, UPRR found the denaturant Benzene above its maximum contaminant level in the domestic well. UPRR red-tagged the well and provided the owners with replacement potable water. Because a replacement domestic well was technically infeasible, the Discharger instead installed a water treatment plant with inflow from the owners' legal diversion of a nearby creek. Monitoring results showed rapid natural bio-degradation of pollutants; however dissolved volatile organic compounds persisted in the domestic well. Therefore, in 2009 UPRR ran an aquifer test. Based on results, in 2013 with staff's concurrence UPRR began continuous low-rate pumping of the domestic well, treating effluent by aeration during lawn irrigation. Subsequent sampling showed only occasional trace dissolved volatile organic compounds in the monitoring well-field and domestic well. However in 2014 the Storrie Retreat complained of foul odor from the domestic well. As follow-up, staff reviewed historical down-hole television records and collected duplicate groundwater samples with UPRR. Results suggested that the odor was from biogenic hydrogen sulfide at the bottom of the domestic well, and unrelated to the waste discharge. Qualified California Geotechnical Engineers report near-term slope stability; long-term issues will nonetheless remain until trees reestablish. Staff has advised the US Forest Service District Ranger of these issues. Current evidence indicates that the 2007 waste discharge is no longer a nuisance or significant threat to human health and the environment. Therefore, on 6 January 2016 the Assistant Executive Officer issued a No Further Action Required and Order Rescission letter to UPRR (EJR).

2. **Flying M Dairy**

On 23 November 2015, the San Joaquin County District Attorney's Office reached a settlement agreement with Flying M Dairy after dairy wastewater flowed off the production area into an open ditch and flowed several miles to the San Joaquin River. Under the terms of the Stipulated Judgment, entered in San Joaquin County Superior Court, Flying M Dairy was to pay \$8,837, with an additional \$5,000 stayed for a period of five years on the condition that no violations occur pursuant to the agreement. Of the \$8,837, \$1,500 was paid into the State Water Pollution Cleanup and Abatement Account. The dairy owner is no longer in business, and the property has been sold to another dairy. (CMH)

SITE CLEANUP-SUCCESSFULLY CLOSED-NO FURTHER ACTION REQUIRED

- **No Further Action Determination, Soil Cleanup, Former Baltimore Aircoil Company (BAC) Facility, 3058 Beachwood Drive, Merced, Merced County.** Between December 2007 and March 2008, BAC excavated 7,300 cubic yards of shallow soil in the site former wood treatment area for disposal at a Class I Landfill. In April 2008, BAC began pilot testing in-situ remediation of the deep soil vadose zone by injecting water containing methanol and corn syrup, which is similar to the process used to treat groundwater at the site. Between March 2011 and June 2012, BAC implemented full scale in-situ remediation of the deep soil area, targeting 30,000 cubic yards of vadose zone soil for treatment. Between July and September 2014, approximately 7,600 cubic yards of vadose zone soil was further treated by in-situ stabilization using mixing augers to treat and stabilize areas that had been resistant to treatment by injections. Groundwater cleanup is still on-going but the area still requiring cleanup has been reduced to a limited area directly beneath the facility property and cleanup is expected to be completed this year with the final phase of in-situ remediation injections. The soil cleanup was conducted to protect human health from direct exposure to pollutants and eliminate the threat to groundwater from hexavalent chromium found in soil. A No Further Action Determination for Soil Cleanup letter was issued on December 9, 2015. (NC)

- **Former Don Keith Trucking, Bakersfield, Kern County**

A no further action determination was issued on 15 January 2016 for petroleum hydrocarbon degraded soil and buried construction debris at the former Don Keith Trucking, 2990 Buck Owens Boulevard, Bakersfield, Kern County. Soil degraded by petroleum hydrocarbons along with buried construction debris was discovered during a predevelopment assessment. The degraded soil and encountered construction debris were removed during excavation activities. The construction debris was screened and recycled offsite. Soil above site cleanup goals was transported to an appropriately permitted facility for disposal. Confirmation samples collected from the base and sides of the excavation met site cleanup goals. Soils Engineering, Inc., the consultant, stated that no further remediation was necessary and recommended closure of the site. Any remaining impacted soil is expected to degrade naturally and does not pose a threat to human health and safety or the environment.

- **Former Lesco Being Considered for Environmental Closure, Port of Stockton, San Joaquin County**

At this Port of Stockton site multiple bulk fertilizer handlers operated between about 1985 and 2005. In 2007, John Deere & Company purchased Lesco facilities, conducted an assessment, and removed about 11,000 tons of soil contaminated with nitrate and ammonium. Groundwater contains sulfate and ammonium, most of which appears to be associated with ammonium and sulfur bulk handling operations on parcels adjacent to the former Lesco facility. Regional Board staff has issued a public notice for closure of the site. Public comments were solicited in late October 2015. No comments were received as of 12 January 2016. (AST)

- **Former Firestone Service Facility being considered for environmental closure, Carmichael, Sacramento County** This former tire repair and automotive service center operated from about 1970 until 2010. Site investigations found PCE in shallow soil gas, which made the property unsuitable for unrestricted use. Firestone conducted site assessment, installed a soil vapor extracted system and removed approximately 0.01 pound of PCE. Because the amount of PCE recovered was small, it is believed that this was a limited release. Confirmation sampling shows that the property is now suitable for unrestricted use. Public comments were solicited in December 2015. No comments were received as of 19 January 2016. (AMP)

UNDERGROUND STORAGE TANKS (USTS) – SUCCESSFULLY CLOSED – NO FURTHER ACTION REQUIRED

Following are sites where Board staff concluded that residual hydrocarbons do not pose a threat to human health and safety or anticipated future beneficial uses of water. Investigation and remediation work, therefore, may be discontinued and no further action is required. This decision is generally based on site-specific information provided by the responsible party, and assumes that the information provided was accurate and representative of site conditions. Upon completion of corrective action, §2728(d)(2) of Title 23 of the California Code of Regulations requires public notification that corrective action has been completed and the regulatory agency does not intend to require additional investigation and cleanup.

This document serves to provide public notification for the completion of corrective actions.

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**

- **Former Munoz Market, 5013 West Lincoln Avenue, Fresno, Fresno County**

The site was formerly a convenience store that dispensed gasoline, and is currently a residence. Two USTs were removed from the Site during 1993, and gasoline was detected in soil. Fresno County referred the site to the Central Valley Water Board for regulatory oversight in 2004. An investigation conducted in 2015 concluded that an estimated 35 pounds of TPH as gasoline remained in the subsurface. An on-site well was sampled and analytical results indicated no gasoline constituents. The case satisfies the fundamental principles and criteria contained in the State Water Resources Control Board's Low-Threat Underground Storage Tank Case Closure Policy, and was closed on 20 November 2015.

- **M & A Market, 790 Park Boulevard, Orange Cove, Fresno County**
The site is a convenience store that no longer sells fuel. Three USTs were removed from the site in 1999, and gasoline was detected in soil. Subsequent soil and groundwater investigations determined that the release is limited to the former UST area. The case satisfies the criteria contained in the State Water Resources Control Board's Low-Threat Underground Storage Tank Case Closure Policy, and was closed on 20 November 2015.
 - **California Correctional Institution, 24900 Highway 202, Tehachapi, Kern County**
A UST release was discovered at the motor pool facility during 1987 when the USTs system failed a tightness test. Kern County transferred regulatory oversight to the Central Valley Water Board in 2011. Subsequent investigations determined that soil and groundwater were impacted. Soil vapor extraction removed an estimated 69,000 pounds (~11,130 gals.) of gasoline and groundwater pump and treat removed an estimated 47 pounds of MTBE. The case satisfies the criteria contained in the State Water Resources Control Board's Low-Threat Underground Storage Tank Case Closure Policy, and was closed on 10 December 2015.
 - **James Petroleum (Airport Texaco), 1508 Airport Drive, Bakersfield, Kern County**
A gasoline release was discovered 1998 during product piping and fuel dispenser upgrades. Kern County transferred regulatory oversight to the Central Valley Water Board in 2011. Subsequent investigations determined that floating product was present on groundwater. An estimated 30,515 pounds (~4,920 gals.) of gasoline were removed by soil vapor extraction between 2011 and 2013. The case satisfies the criteria contained in the State Water Resources Control Board's Low-Threat Underground Storage Tank Case Closure Policy, and was closed on 14 December 2015.
 - **J.G. Boswell Company, Paul Athorp Shop, 28001 South Dairy Drive, Corcoran, Kings County**
The site consists of a servicing, repair, and storage facility for automotive and farm equipment. During an upgrade of the UST system in 2008, a gasoline release was discovered. Subsequent investigations detected gasoline constituents in soil and shallow groundwater, with a plume of about 110 feet in length that does not extend offsite, and is stable. The case satisfies the criteria contained in the State Water Resources Control Board's Low-Threat Underground Storage Tank Case Closure Policy, and was closed on 19 October 2015.
- b) **REDDING OFFICE**
- **Bob's Exxon, 3321 Main Street, Cottonwood, Shasta County, Case No. 450064**
The case is an active fueling station in the city of Cottonwood. Petroleum hydrocarbons were first detected in soil and groundwater in 1990 during a tank removal. Soil and groundwater samples revealed diesel, gasoline and fuel oxygenates contamination. In 1990, 1,500 cubic yards of contaminated soils were removed, containing an estimated 2,852 pounds of petroleum (approximately 50 percent of the original source). Several phases of investigations took place to determine the lateral and vertical extent of contamination. Between 2006 and 2011, dual phase extraction and air sparging removed an unknown amount of petroleum hydrocarbons. No evidence of chemical rebound was observed upon shutdown of the remediation system. Recent groundwater samples indicate that low levels of diesel and methyl tert butyl ether (MTBE) remain on-site. The case satisfies the criteria of the State Water Resources Control Board's Low-Threat Underground Storage Tank Case Closure Policy (LTCP), and was closed in December 2015.
 - **Mall Mart 76 (Former Palisades Gas & Wash No. 850), 1233 Hilltop Drive, Redding, Shasta County, Case No. 450193.** Three gasoline underground storage tanks were removed from the Site in October 1995. Approximately 315 cubic yards of petroleum-impacted soil was removed and properly disposed. Groundwater was not encountered in the excavation. Confirmation samples indicated that low-levels of petroleum constituents remained. Shasta County Environmental Health Division issued a case closure letter in December 1995. Central Valley Regional Water Quality Control Board issued a case closure letter in February 1996. In September 2006, an additional investigation to support a potential property transaction found shallow soil impacts in a single boring. Based on the available information, remaining petroleum pollution at the Site does not pose a significant threat to human health and the environment. No additional work is warranted. A No Further Action letter was issued in December 2015, and the case was closed in January 2016.

- **Shell SS Corning, 2176 Solano Street, Corning, Tehama County, Case No. 520040**
The case is an active Shell service station that has been operating since the late 1960s. Petroleum hydrocarbons were first detected in soil in 1989, after a diesel product line was broken during piping upgrades. Approximately 60 cubic yards of soil were excavated from the Site in 1996. In 1998, samples collected in conjunction with a UST system upgrade indicated benzene and MTBE contamination. The Central Valley Regional Water Quality Control Board required expansion of the groundwater monitoring network in 2000 and 2006, and required additional field investigations in 2011. Recent groundwater monitoring results showed low levels of benzene and MTBE in groundwater. The case satisfies the criteria of the State Water Resources Control Board's LTCP, and was closed in January 2016.

c) **SACRAMENTO OFFICE**

- **Chevron Station # 90795, 505 4th Street, Williams, Colusa County**
In 1990, Chevron discovered that an unauthorized fuel release had occurred at this property during the removal and upgrade of their USTs and fuel distribution system. Chevron removed about 1,167 pounds (~188 gals.) of petroleum from the subsurface through dual phase extraction and excavated about 1,060 cubic yards of petroleum impacted soil, removing an unquantified amount of petroleum. Concentrations of petroleum hydrocarbons in groundwater have declined significantly over time as a result of active remediation and natural attenuation. The site was closed on 20 November 2015.
- **Sugar Bowl Lift Maintenance, Corn Lily Lane, Norden, Placer County**
In October 1994, the Site's UST and associated piping were removed from the Site. About 21,000 pounds (~3,360 gallons) of petroleum fuel were removed from the Site through active remediation, and less than a pound is estimated to remain. The extent of the residual petroleum pollution is defined and concentrations in groundwater are expected to reach WQOs within about 5 years. Residual petroleum constituents in shallow soil and soil gas are unlikely to pose a threat to human health, given existing and planned future land use in the area. The site was closed on 25 November 2015.
- **CEMEX Tracy Facility, 30350 South Tracy Boulevard, Tracy, San Joaquin County**
Between 1990 and 1999, CEMEX removed one waste oil, one liquid asphalt, one gasoline, and three diesel USTs. CEMEX detected only diesel in soil beneath one of the USTs and estimates that 2,375 gallons of diesel remain in soil at the Site. Diesel has been detected in groundwater during only one of the thirteen monitoring events conducted at the Site. Under the current commercial use, CEMEX concluded and Water Board staff concurred that diesel remaining in soil beneath the Site does not pose a significant risk to human health. The site was closed on 30 October 2015.
- **UNOCAL No. 2534, 1199 B Street, Marysville, Yuba County**
The Site is an active service station with a convenience store. In November 1993, two gasolines underground storage tanks (USTs) and a waste oil UST, along with associated piping were removed from the Site. About 1,100 cubic yards of impacted soil were also excavated. After a period of groundwater monitoring, Site conditions met the general and site-specific criteria for case closure under the Low Threat Closure Policy. The Site was closed on 19 October 2015.
- **Former Unocal/Tosco Bulk Plant No. 0406, 427 14th Street, Marysville, Yuba County**
The Site is currently a card-lock service station and packaged lubricant products distribution facility. In March 1999, Tosco removed six USTs from the Site. Between November 2003 and August 2011, soil vapor extraction and ozone/oxygen injections removed about 17,660 pounds (~2,848 gals.) of hydrocarbons from subsurface. The Site met the general and site-specific criteria for case closure under the Low Threat Closure Policy and was closed on 22 September 2015.

Local Agency UST Closures with Concurrence of Board Staff

Sacramento County

- Mercy Healthcare of Sacramento, 3901 J Street, Sacramento

Tulare County

- E-Z Mart, 858 North Tulare Road, Lindsay
- Pixley Texaco, 420 North Main Street, Pixley

STAFF RECOGNITION

SUSTAINED SUPERIOR ACCOMPLISHMENT AWARD

At the December 10/11, 2015 Board meeting, Executive Officer Pamela Creedon presented the Sustained Superior Accomplishment award to:

Candidate: Jeanne Chilcott
Unit: TMDL/Basin Planning/CV-Salts
Title: Manager in the Basin Planning/TMDL and CV-SALTS Unit
Supervisor: Adam Laputz

Jeanne Chilcott has been with the Central Valley Water Board for over 30 years and has been a key staff member in a number of Basin Planning initiatives to preserve and enhance water quality in the Central Valley. Most recently, she has taken the lead role in CV-SALTS, the Board's highest priority planning project to manage salts and nitrates. Jeanne has successfully managed staff and communicated with stakeholders to keep the CV-SALTS process moving forward through difficult technical and policy challenges. Jeanne also manages a number of other high priority projects as the Basin Planning and TMDL program manager. These projects include high priority Basin Plan amendments for agriculturally dominated water bodies, methylmercury TMDL, salt and boron TMDL, and new proposed objectives for pyrethroids. Jeanne has a calm and confident manner and can always be counted on to listen intently and work collaboratively on a solution to any problem. She is an asset to this board, dedicated to water quality, and a pleasure to work with on any project. Jeanne is well deserving of this award, and I look forward to seeing her continue to accomplish such great projects that will benefit the Central Valley and State.

SUPERIOR ACCOMPLISHMENT AWARDS

Executive Officer presented the Superior Accomplishment Awards to the following staff:

Candidate: Gerald Djuth
Unit: Site Cleanup Program
Title: Senior Engineering Geologist
Supervisor: Andrew Altevogt

Gerald Djuth has worked for the Central Valley Water Board for a total of over 15 years. Gerald has worked in the Site Cleanup program, as a Senior Engineering Geologist, for over 3 years. In that role he manages cost recovery sites, ensuring that soils and water are being remediated and that cost recovery funds are being appropriately managed amongst his staff. Gerald has always approached his work with diligence and good humor. In addition to his normal workload, Gerald has stepped in to manage the Site Cleanup Program for the Central Valley since the retirement of the program manager in July. Gerald has written a work plan for the Site Cleanup Program and has been instrumental in planning for the transition of 3.5 PYs from cost recovery work to new work funded through SB 445. Gerald has worked closely with the Assistant Executive Officer on this planning and has coordinated with the UST program manager and other Site Clean Up seniors throughout the Region. He has also been diligent and very effective in keeping the AEO informed of activities in the program and has coordinated submissions requiring executive signatures in the Rancho Cordova office. Gerald has handled all of this work with extremely good humor and his normal steady personality. Gerald is a true asset to the Region.

Candidate: Ryan West
Unit: Irrigated Lands Regulatory Program
Title: Engineering Geologist
Supervisor: David Sholes

Ryan's normal duties as a member of the ILRP unit involve implementation of the ILRP through work with the Kaweah Basin Water Quality Association coalition and other coalitions within the TULARE LAKE BASIN

During the month of July, Ryan performed the following:

- Conducted inspections of over 100 parcels for compliance with ILRP enrollment requirements
- Reviewed and drafted a response to the Kaweah Basin Water Quality Association's Surface Water Monitoring Plan
- Reviewed and drafted a response to the Kaweah Association's Annual Monitoring Report
- Assisted the ILRP Program Manager with multiple maps and slides for a Board presentation in July 2015
- Prepared stiff and piper diagrams and maps with well locations and water quality data for Enforcement Unit staff
- Provided information for the AEO at the JULY board meeting regarding oil fields and prepared for cross examination

During July, Ryan worked for the ILRP Unit, the Enforcement Unit and Oil Fields Unit. He also assisted the ILRP Program Manager and Fresno Assistant Executive Officer in preparing separate Board presentations for the JULY 2015 Board meeting. Ryan exhibits a positive, can-do attitude toward his work, cheerfully taking on each task as assigned, and delivering excellent and timely work product. He is resourceful and hard-working, courteous to all, and is a great asset to the ILRP Unit, the Fresno office and the Board

EMPLOYEE OF THE MONTH AWARDS

REDDING OFFICE

DECEMBER 2015

Candidate: Jacqueline Matthews
Unit: Timber Unit, Forest Activities Program
Title: Environmental Scientist
Supervisor: Ben Letton

Jacqueline Matthews is an Environmental Scientist working in the Redding office Forest Activities Program. Jacqueline brings a tremendous amount of foundational knowledge of Water Board regulations and policies to our program. Most recently, she has been able to apply this experience in her lead role in developing a new General Order for Timber Harvest Activities. We appreciate her dedication and hard work and are thrilled to have her as part of our team!

Jacqueline has been with the Central Valley Water Board for over 8 years and has worked in multiple programs including: NPDES, WDRs, and now Forest Activities. Her breadth of understanding and knowledge of multiple programs has been a huge contribution to the Forest Activities Program and her fellow staff. Most recently, Jacqueline has been able to apply this foundational knowledge in her lead role for developing a new General Order for Timber Harvest Activities in the Central Valley Region.

On a day to day basis, Jacqueline's positive attitude and sense of humor contributes to good unit and office morale. She leads by example and has gained respect and credibility from her peers and management.

Jacqueline is a huge asset to the Forest Activities Program and the Redding office.

JANUARY 2016

Candidate: Emily Harding
Unit: Timber Unit & Cannabis Unit
Title: Scientific Aid
Supervisor: Ben Letton

Emily Harding is a Scientific Aid working in the Forest Activities Program and the Cannabis Regulatory Enforcement Unit. Emily has been involved in several high priority tasks associated with the new General Order for Cannabis and a permit that is currently under development for non-point source activities and projects on Federal Lands. She has shown that she is both competent and dedicated to any task that we have asked of her. Emily has been a huge asset to both programs.

Emily Harding is a Scientific Aid working for us in our Forest Activities Program and Cannabis Regulatory Enforcement Unit. She is a recent graduate of CSU Chico with a BA in Animal Science. Previous to her work with the Central Valley Water Board in Redding, Emily worked with Shasta Vector Control District in Anderson, CA.

In just a few short months, Emily has proven to be a tremendous asset to the Forest Activities Program and Cannabis Regulatory Enforcement Unit. Recently she completed several high priority assignments that included: 1) research of existing and potential County ordinances associated with the cultivation of medicinal cannabis for purposes of implementing the new General Order for Discharges of Waste Associated with Medicinal Cannabis Cultivation Activities, and 2) research and workload estimation for Bureau of Land Management projects and activities that could be subject to a new and developing permit of Non-Point Source Activities on Federal Lands. Additionally she has taken a lead role in helping the Forest Activities Program transition completely from paper copy filing system to electronic files and uploading all existing and incoming documents to Electronic Content Management (ECM). Emily is dedicated, has a good sense of humor, and has integrated well with both programs.

SACRAMENTO OFFICE

NOVEMBER 2015

Candidate: Marty Hartzell
Unit: Waste Containment and Mining Unit
Title: Senior Engineering Geologist
Supervisor: Robert Busby

Marty's attributes of professionalism and accountability have been apparent since his promotion to Senior Engineering Geologist a couple of years ago. His strong organizational skills and attention to detail were demonstrated by the quality of the Mining Information Item which he took a leadership role in preparing for the October Board Meeting. His calm and objective demeanor is clearly noticed and appreciated by his staff, his supervisor and the Dischargers.

Candidate: Tyson Pelkofer
Unit: San Joaquin/Delta NPDES Permitting Unit
Title: Water Resource Control Engineer
Supervisor: Jim Marshall

Tyson is being recognized for his outstanding work performance in the NPDES permitting section. Tyson has an excellent work ethic, produces quality work products, and is always willing to take on extra work. Recently, Tyson did an outstanding job on writing the City of Galt permit renewal and has been instrumental in fast tracking the new permit for the North Valley Regional Recycled Water Program. In addition to his permitting workload, Tyson has assisted with maintaining the NPDES template and managing the Low and Limited Threat General Orders in the unit. Tyson is an invaluable employee and very deserving of this month's employee recognition award.

Candidate: Maryann Walton
Unit: Administrative Unit - Operations
Title: Management Services Technician
Supervisor: David King

Maryann is once again being recognized for her continued and on-going commitment to our staff with regards to making our workplace a festive and enjoyable environment to come to everyday. Maryann has selflessly dedicated a great deal of time and effort serving in a leadership role in our Employee Association, preparing goodies for our bake sales and coordinating the 2015 Holiday Party. She spends her own time and money, decorates throughout the office, and every Christmas supports the Children's Home helping us all to give back to those in need. Coming through the lobby, regardless of the season, you always know someone put in the effort to make you feel welcome. For all that you do, going above what you are called to do, we thank you Maryann.

ENFORCEMENT

Enforcement is a critical ingredient in creating deterrence needed to encourage the regulated community to anticipate, identify, and correct violations. Appropriate penalties and other consequences for violations offer some assurance of equity between those who choose to comply with requirements and those who violate them. It also improves public confidence when government is ready, willing, and able to back up its requirements with action. This section of the Executive Offer’s Report (EO Report) is intended to inform the Board and the public on enforcement efforts since the last EO Report was issued. For this reporting period, the following sections provide: 1) notable enforcement actions; 2) a summary of orders issued; and, 3) a summary of all enforcement actions issued.

1. Notable Enforcement Efforts – This section provides information on Central Valley Regional Water Quality Control Board efforts that are noteworthy but may not otherwise be included in the other sections of this report.

Central Valley Regional Board staff have been working with staff representing: the other Regional Boards, State Water Resources Control Board; California Environmental Protection Agency (CalEPA) and the other Boards, Departments, and Agencies (BDOs) that fall under the CalEPA umbrella; and private-sector consultants to update and improve the complaints website and database. The purpose of this initiative has been to make the database more user-friendly for both the public (i.e., complainants) and the responding agencies and to integrate greater functionality including identifying and reporting observed violation locations by selecting a location on a map (rather than requiring an address). Regional Board staff have been involved in regular meetings with the above-named parties since October 2015 and expect to begin testing the new database in February 2016. Notice of the changes will be posted on the Central Valley Regional Board website when ready for public use.

On 21 January 2016 Central Valley Regional Board (Regional Board) staff attended the Environmental Crimes Task Force meeting for Shasta and Trinity Counties in Redding. The meeting was organized by the California District Attorneys Association and attended by several local and state environmental crimes enforcement agencies in addition to the Regional Boards. Regional Board staff will continue to endeavor to collaborate with other environmental protection agencies to bolster efforts to protect the waters of the Central Valley.

2. Orders Issued or Adopted – Enforcement Table 1, included below, provides a summary of all of the Enforcement Orders (Cleanup and Abatement Orders; Cease and Desist Orders; 13267 Investigative Orders; and Administrative Civil Liability Complaints and Orders) that have been issued by the Central Valley Regional Board since the previous EO Report.

Enforcement Table 1 – Region 5 Enforcement Orders (3 November 2015 through 4 January 2016)

Action Date	Action	Agency	County	Summary
11/3/2015	Administrative Civil Liability	Pedro Escobedo	Fresno	Administrative Civil Liability (ACL) R5-2015-0547 and Stipulated Agreement for settlement in the matter of lack of regulatory coverage in the Irrigated Lands Regulatory Program (ILRP) in the amount of \$21,000.
11/3/2015	Cleanup and Abatement Order	Howard Caywood	Kern	Cleanup and Abatement Order (CAO) R5-2015-0737 for the disposal ponds in the Bankline Lease, the Buick-Fee Lease, and the West Side Lumber Lease in the Midway-Sunset Oil Field.

Enforcement Table 1 (cont.)

Action Date	Action	Agency	County	Summary
11/3/2015	CAO	Griffin Resources, LLC	Kern	CAO No. R5-2015-0710 and Monitoring and Reporting Program (MRP) No. R5-2015-0710 for the disposal ponds in the Robertson Lease and the G-R Lease in the McKittrick Oil Field.
11/20/2015	ACL	M.C. Land Company	Kings	ACL Order R5-2015-0537 in the amount of \$46,690 settling ACL Complaint R5-2015-0524 for failing to submit a Report of Waste Discharge (RoWD) as required under a 13260 Directive Letter that was issued on 19 February 2015.
11/20/2015	ACL	Paradise Irrigation District	Butte	ACL Complaint R5-2015-0548 in the amount of \$30,000 for Mandatory Minimum Penalty (MMP) violations between 5 June 2013 and 31 July 2015.
11/20/2015	ACL	City of Shasta Lake	Shasta	ACL Complaint R5-2015-0546 in the amount of \$6,000 for MMP violations between 14 November 2014 and 31 December 2014.
11/20/2015	ACL	The Morning Star Packing Company, LP	Colusa	ACL Complaint R5-2015-0549 issued in the amount of \$1,500,000 and alleging that the Discharger, in violation of Waste Discharge Requirements Order R5-2013-0144, is discharging waste and causing or permitting waste to be deposited where it is discharged into waters of the State of California.
11/20/2015	CAO	Aera Energy LLC	Kern	CAO NO. R5-2015-0736 and MRP No. R5-2015-0736 for disposal ponds in the Lost Hills One Lease and the Lost Hills Two Lease in the Lost Hills Oil Field. The CAO required Aera Energy LLC to submit a Work Plan and time schedule by 19 January 2016.
11/20/2015	CAO	Aera Energy LLC	Kern	CAO No. R5-2015-0735 and MRP No. R5-2015-0735 for the disposal ponds in the Section 27 Lease and the Section 35 Lease in the North Belridge Oil Field. The CAO required a Work Plan and time schedule by 19 January 2016.
11/24/2015	CAO	Griffin Resources, LLC	Kings	CAO No. R5-2015-0753 and MRP R5-2015-0753 for disposal ponds in the CCMO-17 Lease in the Pyramid Hills Oil Field. The CAO requires a Work Plan and time schedule by 26 January 2016.
11/25/2015	CAO	NMT Oil Co., Inc.	Kern	CAO No. R5-2015-0756 and MRP No. R5-2015-0756 for the disposal ponds in the Havenstrite Lease in the Midway-Sunset Oil Field. The CAO requires a Work Plan and time schedule by 29 January 2016.
12/1/2015	CAO	J & K Operating Company, Inc.	Kern	CAO R5-2015-0742 and MRP No. R5-2015-0742 for disposal ponds in the Jade Kern Project Lease in the Cymric Oil Field. The CAO requires J&K Operating Company, Inc. to submit, by 1 February 2016 a Work Plan and time schedule for addressing potential water quality impacts from the ponds.
12/1/2015	CAO	Midway-Sunset Investors, LLC.	Kern	CAO R5-2015-0743 and MRP No. R5-2015-0743 for the disposal ponds in the Jameson Trust Lease in the Midway-Sunset Oil Field. The CAO requires Midway Sunset Investors, LLC to submit, by 1 February 2016, a Work Plan and time schedule to determine if their discharge can comply with applicable laws, policies, and regulations that would allow for the issuance of waste discharge requirements.
12/1/2015	CAO	Ballard Oil, Inc	Kern	CAO No. R5-2015-0748 and MRP No. R5-2015-0748 for disposal ponds in the Overland Anderson Lease in the Cymric Oil Field. The CAO requires Ballard Oil, Inc. to submit, by 1 February 2016, a Work Plan and time schedule to determine whether the discharge can comply with applicable laws, policies, and regulations that would allow for the issuance of waste discharge requirements.

Enforcement Table 1 (cont.)

Action Date	Action	Agency	County	Summary
12/1/2015	CAO	Central Pacific Resources	Kern	CAO No. R5-2015-0749 and MRP No. R5-2015-0749 for disposal ponds in the Lehi-Richardson Lease and its USL Lease in the Cymric Oil Field. The CAO requires Central Pacific Resources to submit, by 1 February 2016, a Work Plan and time schedule to determine whether the discharge can comply with applicable laws, policies, and regulations that would allow for the issuance of waste discharge requirements.
12/1/2015	CAO	25 Hill Properties, Inc.	Kern	CAO No. R5-2015-0745 and MRP No. R5-2015-0745 for disposal ponds in the Jameson Trust, Shell, and Virginia Lands leases in the Midway-Sunset Oil Field. The CAO requires 25 Hill Properties, Inc. to submit, by 1 February 2016, a Work Plan and time schedule to determine whether the discharge can comply with applicable laws, policies, and regulations that would allow for the issuance of waste discharge requirements.
12/1/2015	CAO	Aera Energy LLC	Kern	CAO No. R5-2015-0746 and MRP No. R5-2015-0746 for disposal ponds in the Fulton, Lockwood, Moco 35, National USL, Shale 14, and W&S Leases in the Midway-Sunset Oil Field. The CAO requires Aera Energy LLC to submit, by 1 February 2016, a Work Plan and time schedule to determine whether the discharge can comply with applicable laws, policies, and regulations that would allow for the issuance of waste discharge requirements.
12/2/2015	CAO	Vaughn, LLC	Kern	CAO No. R5-2015-0750 and MRP No. R5-2015-0750 for disposal ponds in the USL 15 Lease in the Midway-Sunset Oil Field. The CAO requires Vaughn, LLC to submit, by 1 February 2016, a Work Plan and time schedule to determine whether the discharge can comply with applicable laws, policies, and regulations that would allow for the issuance of waste discharge requirements.
12/2/2015	CAO	Woodward Oil Company	Kern	CAO No. R5-2015-0744 and MRP No. R5-2015-0744 for disposal ponds in the Cunningham Lease in the Midway-Sunset Oil Field. The CAO requires Woodward Oil Company to submit, by 1 February 2016, a Work Plan and time schedule to determine whether the discharge can comply with applicable laws, policies, and regulations that would allow for the issuance of waste discharge requirements.
12/2/2015	CAO	CMC Landholdings, LLC	Stanislaus	CAO No. R5-2015-0757 issued to CMC Land Holdings LLC to clean up and abate the effects of discharging wastewater to groundwaters of the Turlock area.
12/11/2015	Cease and Desist Order	Collins Pine Company	Plumas	Cease and Desist Order (CDO) issued to Collins Pine Company for the Chester Sawmill that includes a requirement for a Work Plan by 1 February 2016 that fully addresses, among other things, the conversion from the existing wet electrostatic precipitator to a dry electrostatic process.
12/14/2015	CAO	LINN Energy	Kern	CAO No. R5-2015-0722 and MRP No. R5-2015-0722 for disposal ponds in the McVan Lease, Poso Lease, and the Desert Glow Lease in the Poso Creek Oil Field. The CAO requires LINN Energy to submit, by 16 February 2016, a Work Plan and time schedule to determine whether the discharge can comply with applicable laws, policies, and regulations that would allow for the issuance of waste discharge requirements.

Enforcement Table 1 (cont.)

Action Date	Action	Agency	County	Summary
12/15/2015	CAO	Naftex Operating Company	Kern	CAO No. R5-2015-0755 and MRP No. R5-2015-0755 for disposal ponds in the Racetrack Lease in the Edison Oil Field. The CAO requires Naftex Operating Company to submit, by 16 February 2016, a Work Plan and time schedule to determine whether the discharge can comply with applicable laws, policies, and regulations that would allow for the issuance of waste discharge requirements.
12/28/2015	CAO	Linn Operating Inc.	Kern	Draft CAO issued on 28 December 2015 for Berry and Ewing Lease, Midway-Sunset Oil Field associated with potential water quality concerns related to ponds utilized for the disposal of petroleum production fluids.

3. Enforcement Update – Enforcement Table 2, included below, summarizes the enforcement actions issued in all the Regions since the last EO Report (3 November 2015 through 20 January 2016). From a statewide perspective, Region 5 was responsible for 41% of all the enforcement actions tracked in CIWQS during this period including 58% of all NOV's, 90% of all CAOs, and 15% of all ACLs.

Enforcement Table 2 – Statewide Enforcement Actions (3 November 2015 through 20 January 2016)

Region/ Office	Enforcement Actions									
	VER	SEL	NOV	NNC	13267	TSO	CAO	CDO	ACL	Total
1	0	0	1	33	1	0	0	0	0	35
2	0	0	1	111	0	0	0	0	9	121
3	0	0	0	64	1	0	1	0	1	67
4	0	1	40	81	1	1	0	0	15	139
5F	4	0	28	45	0	0	18	0	2	97
5R	3	0	6	6	0	0	0	1	2	18
5S	10	1	30	184	3	1	1	0	1	231
RB5 Total	17	1	64	235	3	1	19	1	5	346
6T	0	1	0	5	0	0	0	0	1	7
6V	17	1	2	21	0	0	1	0	0	42
7	0	6	0	0	0	0	0	0	1	7
8	0	4	0	4	0	0	0	0	1	9
9	2	24	2	51	0	1	0	0	1	81
Total	36	38	110	605	6	3	21	1	34	854
Enforcement Actions:										
VER = Verbal Communication						TSO = Time Schedule Order				
SEL = Staff Enforcement Letter						CAO = Cleanup and Abatement Order				
NOV = Notice of Violation						CDO = Cease and Desist Order				
NNC = Notice of Non-Compliance (Stormwater)						ACL = Administrative Civil Liability				
13267 = Water Code Section 13267 Investigative Order										

Performance Targets

Performance measurement and reporting is an important component of a complete system of performance management needed to demonstrate how well programs or strategies are working and why. Information obtained through better performance measurement and program evaluation provides insight that enables us to understand and replicate successes, and continuously improve programs. To this end, the Water Boards establish annual performance targets for key output measures. In effect, these targets are goals that establish measurable levels of performance to be achieved within a specified time period. The Water Board has a systematic target setting approach for several of its programs. Using this new method, performance targets are based on available resources and uniform cost factors for key workload outputs. This target setting approach is described in the link below and was used to develop the FY 2015-2016 performance targets http://www.waterboards.ca.gov/about_us/docs/resource_alignment_report.pdf.

Below is the Region 5 Performance Measurement Summary for the 2015-16 fiscal year. This report was produced with data through 52% of the current fiscal year.

Region 5 Performance Measurement Summary from 1 July 2015 to 5 January 2015						
Programs	Original Target	* Actuals: Permits or Facilities Inspected	% Complete = Actuals/Original Target	Revised Target	** Total # of Inspections Performed	Comments
NPDES Wastewater						
Major Individual Permits Issued, Revised, and Renewed	12	2	17%	n/a	n/a	On target to meet goal with five permits scheduled for February Board Meeting and eight scheduled for April Board Meeting.
Major Individual Facilities Inspected	29	16	55%	n/a	17	
Minor Individual Permits Issued, Revised, and Renewed	9	1	11%	n/a	n/a	On target to meet goal with five permits scheduled for February Board Meeting and eight scheduled for April Board Meeting.
Minor Individual Facilities Inspected	14	10	71%	n/a	10	
Minor General Enrollees Facilities Inspected	0	0	N/A	n/a	0	
Waste Discharge to Land – Wastewater						
Municipal Waste, Industrial Waste, and All Other Facilities - Permits Past Review Date Updated	27	12	44%	n/a	n/a	
Municipal Waste, Industrial Waste, and All Other Facilities - Number of Inspections	224	63	30%	n/a	67	
Land Disposal						
Landfills Permits Issued, Revised, and Renewed	10	3	30%	n/a	n/a	Landfill permits at 30% is correct. The schedule is: +1 for Feb, +3 for April, and +3 for June.
Landfill Inspections	69	60	99%	n/a	68	Compliance and Enforcement staff have been completing a lot of inspections, and we will definitely exceed our original target.
All Other Permits Issued, Revised, and Renewed	2	1	50%	n/a	n/a	For Mines, 2 WDRs are proposed, one was completed in July 2015, and the second is proposed for June 2016.
All Other Inspections	50	11	24%	n/a	12	A lot of our mine inspections occur in the spring after precipitation events, therefore, staff are confident that we will attain our targeted inspection number.
NPDES Storm Water						
Stormwater Construction Inspections	385	173	52%	n/a	202	
Stormwater Industrial Inspections	195	75	39%	n/a	77	Increased number of inspections have been planned for the wet season.
Stormwater Municipal Inspections	0	0	N/A	n/a	0	
Other Programs						
Timber Harvest Inspections	166	75	45%	n/a	75	
Confined Animal Facility Inspections	350	109	32%	n/a	113	Two vacancies occurred. Once those are filled--in January 2016--we should be able to meet the annual target.
Clean Up						
New DoD Sites Into Active Remediation	1	0	0%	n/a	n/a	
New SCP Sites Into Active Remediation	84	59	70%	n/a	n/a	
Cleanup Program Sites Closed	107	13	12%	n/a	n/a	
New UST Sites Into Active Remediation	39	13	33%	n/a	n/a	
Underground Storage Tank Sites Closed	90	56	62%	n/a	n/a	
* Actuals: Number of facilities inspected or permits issued.						
** Total #: Number of inspections completed including all reinspections.						

SANITARY SEWER OVERFLOWS AND COMPLAINTS

Sanitary Sewer Overflows (SSOs) in Excess of 50,000-gallons

There was one SSO event resulting in spill in excess of 50,000-gallons between September and November 2015. This spill was reported on in the *Enforcement* section of the previous EO Report.

On 19 October 2015, the contractor for the Sacramento Area Sewer District (SASD) was in the process of replacing the sewer line that crosses Arcade Creek when the bypass of the sewer system failed, which resulted in the release of 188,125 gallons of untreated, raw sewage. The entire sewage release entered Arcade Creek and the SASD participated in the clean-up. Regional Board staff are in receipt of SASD's technical report and are evaluating enforcement options.

For this reporting period, there were **17** Category 1, **11** Category 2, and **608** Category 3 spills reported. Relevant data from all of the spills occurring during this reporting period is included as **Attachment A**.

Additional Information on SSOs

Additional information regarding SSOs—including the current Monitoring and Reporting Program (MRP)—can be found at 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*).

COMPLAINTS AND OTHER WATER QUALITY THREATS OR IMPACTS

CalEPA Complaints

Central Valley Regional Board staff are responsible for responding to complaints related to water quality within the Central Valley Region as they are received by the online California Environmental Protection Agency (CalEPA) Environmental Complaint Form (http://www.dtsc.ca.gov/database/CalEPA_Complaint/).

For the 2015 Calendar Year, the Central Valley Water Board received **142** complaints of which **126 (89%)** have been investigated and/or referred and closed. Investigations for the remaining **16** complaints are ongoing. The CalEPA Complaint website and database are currently being updated to be more user-friendly. Refer to the "Enforcement" section of this EO Report for additional information.

DELTA ACTIVITIES

1. **Delta Methylmercury Control Program**

The Basin Plan requires that during the Delta Mercury Control Program Phase 1 (2011 – 2018), responsible entities evaluate methods to control methylmercury to achieve load and wasteload allocations. Control Study Work Plans were reviewed by an independent technical advisory committee and approved by the Executive Officer in 2013. Entities submitted study progress reports as required in 2015. Staff is arranging with the technical advisory committee to provide review of the methylmercury study progress reports (eleven in total). Progress reports are posted on Water Board's webpage for Delta mercury TMDL implementation.

The Delta Science Program is sponsoring a revisit of the 2002 Mercury Strategy for the Bay-Delta Ecosystem in a workshop series in January and June, 2016. The 2002 Mercury Strategy was written as part of the CalFed Bay-Delta program. While not intended to provide information directly for the Delta mercury TMDL, information presented at the workshop is expected to be important for the review of the Delta Mercury Control Program that will occur at the end of Phase 1. Staff is participating in the workshops.

2. **Delta Mercury Exposure Reduction Program**

The Delta Mercury Exposure Reduction Program (MERP) is a collaborative effort of the Central Valley Water Board, California Department of Public Health, the Delta Conservancy, and the Office of Environmental Health Hazard Assessment. It is supported by funds from the Cleanup and Abatement Account and Delta dischargers. The goal of the Delta MERP is to protect public health by reducing exposure to mercury in fish caught in the Delta. Accomplishments of the Delta MERP include:

- hosting quarterly meetings for education and networking among community stakeholders;
- training small grant recipients to conduct education in their communities;
- outreach to numerous local agency and community organizations in 5 Delta counties; and
- developing educational materials, including translations into eight non-English languages.

Delta MERP's small grant program is providing assistance to three community organizations: the California Indian Environmental Alliance, Asian Pacific Self-Development and Residential Association, and Lao Khmu Association.

A quarterly community stakeholder meeting was held on 2 December in Oakley. The Delta MERP small grantees gave an update on their mercury exposure reduction activities to date. In addition, Water Board staff Laura McLellan gave a presentation on mercury sources to the Delta and strategies to reduce and manage Delta mercury.

A second round of grant applications will be solicited in late January 2016. These grants will be given to non-profit organizations or federally recognized or non-federally recognized Tribes to conduct mercury exposure reduction activities in vulnerable Delta populations. The Delta MERP website will have updates and details on the requests for proposal as they become available: <http://deltaconservancy.ca.gov/delta-mercury-exposure-reduction-program-merp/>

3. **Delta Regional Monitoring Program (RMP)**

Since April 2015 the Delta RMP has been collecting and analyzing pathogens, pesticides, and toxicity at several locations in the Delta. The pathogen data collection has been a collaborative effort with Department of Water Resources' Municipal Water Quality Investigations branch. This monitoring is occurring at twelve drinking water intake sites and has been evaluating Cryptosporidium and Giardia concentrations. Preliminary data will be reviewed by the Department of Water Resources and summarized in an annual report. Pesticide and toxicity monitoring has been occurring since July at five sites in the Delta. The pesticide and toxicity sampling is being conducted by USGS.

At the 18 December 2015 Steering Committee (SC) meeting, two new seats were added to the Steering Committee; one for the State Water Board and one for Phase II Stormwater agencies. The Steering Committee approved the Delta RMP program budget for fiscal year 2016-17, as well as the Communications Plan for the program. The Communications Plan details data portals, communications products and channels, and a reporting schedule for program deliverables.

Nineteen wastewater treatment plants (WWTPs) in the Delta have committed to providing annual funding to the RMP. Staff has also contacted three additional WWTPs outside the Delta boundary with close hydrologic connection to the Delta to solicit their participation in the RMP.

In November 2015, the Executive Officer approved the City of Stockton and San Joaquin County Phase I MS4 participation in the RMP. Staff is also currently coordinating with the Port of Stockton and City of Modesto to participate in the Delta RMP. The Board has received and approved requests for eleven small storm water agencies (Phase II Small MS4s) to participate in the Delta RMP.

In 2015, the Executive Officer approved three Coalitions for Delta RMP participation and staff is currently coordinating with the Sacramento Valley Water Quality Coalition.

Thus far, 31 entities are participating in or funding the RMP.

4. **Delta Nutrient Research Plan**

The 2014 Delta Strategic Work Plan called for the development of a Nutrient Research Plan to determine how nutrient loads and concentrations affect several water quality problems present in the Delta and whether nutrient water quality objectives might be required in the future. A Delta Nutrient Research Plan Stakeholder and Technical Advisory Group (STAG) and science work groups were formed to provide advice on nutrient-related issues, including cyanobacteria, non-native aquatic macrophytes, modeling needs, and phytoplankton species and composition. The science work groups are composed of local experts on each water quality issue.

For cyanobacteria, Dr. Mine Berg (Applied Marine Sciences) developed a white paper on the factors that affect the growth of cyanobacteria in the Delta. This document was presented to and accepted by the Delta nutrient STAG in July 2015. The cyanobacteria science work group then prepared a knowledge gaps document that summarizes the key data gaps that will need to be addressed before it can be determined whether nutrient management might reduce the severity of harmful algal blooms in the Delta. This document was finalized by the Delta nutrients STAG during the November 2015 meeting. Work by the cyanobacteria science work group is now complete.

For the issue of macrophytes, Dr. Kathy Boyer (San Francisco State University Romberg Tiburon Center) developed a white paper on factors that affect the growth and distribution of floating and submersed macrophytes in the Delta. This document was accepted as final by the Delta nutrients STAG in November 2015. The macrophytes science work group then prepared a knowledge gap document that summarizes the key data gaps. The macrophytes knowledge gap document is being revised in response to STAG comments and is anticipated to be completed in early 2016.

A modeling science work group was formed to provide advice to the Regional Board on what types of models would be needed to answer nutrient management questions. Phil Trowbridge (San Francisco Estuary Institute) facilitated the work group and was the lead author on the white paper. The draft white paper was presented during the November 2015 Delta nutrient STAG meeting and solicited for comments. The document was revised and is anticipated to be approved in February 2016. Work by the modeling science work group is now complete.

To assess the effects of nutrients on shifts in phytoplankton species and abundance, plans for a workshop and white paper are being developed jointly by the Delta nutrient STAG and the San Francisco Bay Nutrient Management Group. The white paper will identify areas of agreement, areas of disagreement, and data gaps in understanding of the role nutrients with respect to phytoplankton species and biomass in the Delta and Suisun Bay. An independent, expert panel will evaluate recent research on the topic as presented at the workshop to develop the white paper. It is anticipated that the workshop will take place in spring 2016.

Meeting Participation

On 3 November, Adam Laputz, Jeanne Chilcott, Christine Joab, and Janis Cooke participated in a meeting of the Delta Nutrient Research Strategy STAG. The STAG accepted the cyanobacteria white paper and knowledge gaps document, received a presentation by the modeling science work group, and discussed the planning effort workshop/white paper for phytoplankton species and abundance.

On 15 December, Jeanne Chilcott, Christine Joab, and Janis Cooke participated in a meeting of the Delta Nutrient Research Strategy STAG. The key discussion topic was planning the workshop/white paper for phytoplankton species and abundance. Stakeholders requested clarification about the focus of the workshop and white paper, schedule, and process for addressing factors other than nutrients that impact phytoplankton species and abundance. An extension in the timeline for expenditure of funds from the Delta Science Program will allow a workshop planning subcommittee to address these questions. The next Delta nutrient STAG meeting is 5 February 2016.

TMDL BASIN PLANNING

1. Pesticide Basin Planning/TMDLs

Management Agency Agreement with the Department of Pesticide Regulation

On 10 and 11 November, Danny McClure, attended a coordination workshop on the Management Agency Agreement (MAA) between the Water Boards and the California Department of Pesticide Regulation (DPR). The agencies are beginning their process of updating the MAA, which has not been updated since 1997. The updated MAA is intended to help guide ongoing improvements in coordination on regulation, monitoring, and data and information sharing related to the control of pesticide water quality pollution. A draft document is anticipated in 2017.

Central Valley Pyrethroid Pesticide TMDL and Basin Plan Amendment

On 30 November, Adam Laputz, Jeanne Chilcott, Danny McClure and Melissa Dekar hosted a stakeholder meeting on the development of the Central Valley Pyrethroid Pesticide TMDL and Basin Plan Amendment. Discussion topics included project status, peer review comments, and potential changes in the development of the proposed Basin Plan amendment in response to peer review comments and other stakeholder concerns.

On 19 January, Adam Laputz, Jeanne Chilcott, Danny McClure and Tessa Fojut hosted a stakeholder meeting on the development of the Central Valley Pyrethroid Pesticide TMDL and Basin Plan Amendment. Discussion topics included project status, potential regulatory approaches for controlling pyrethroid pesticides in consideration of concerns about attainability of the recently developed pyrethroid water quality criteria for the protection of aquatic life, and preparation for the February Board workshop on the development of the proposed Basin Plan Amendment.

State Water Board STORMS Strategy – Urban Pesticides Statewide Framework

On 6 January, the State Water Resources Control Board adopted a Strategy to Optimize Resource Management of Storm Water (STORMS). The mission of the stormwater strategy is “To lead the evolution of storm water management in California by advancing the perspective that storm water is a valuable resource, supporting policies for collaborative-level storm water management and pollution prevention, removing obstacles to funding, developing resources, and integrating regulatory and non-regulatory interests.” As part of STORMS the State Water Board has committed to completing several projects, one of which is to establish a statewide framework for urban pesticides reduction that recognizes one of the primary mechanisms for urban pesticide pollution prevention is through use management under the authority of agencies that regulate pesticides. The framework would be established by amending the statewide Water Quality Control Plans. Central Valley Water Board staff have been included in the workgroup that is developing that framework.

More information on the effort is available

at: http://www.waterboards.ca.gov/water_issues/programs/stormwater/strategy_initiative.shtml

2. New Versions of Both Basin Plans

Both basin plans have been revised to include all amendments that have been adopted by the Central Valley Water Board and approved by the State Water Board, the Office of Administrative Law and, if applicable, the United States Environmental Protection Agency. The new versions are posted on the Central Valley Water Board's website at:

http://www.waterboards.ca.gov/centralvalley/water_issues/basin_plans

SALINITY AND CV SALTS

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

The CV-SALTS Executive Committee policy discussions in November and January continued to focus on providing input on finalizing components of the draft Salt and Nitrate Management Plan (SNMP). There was a two day meeting in November with the first day focused on the framework for implementation measures for both Nitrate and TDS informed by the work from the Strategic Salt Accumulation Land and Transport Study (SSALTS) and the Nitrate Implementation Measures Study (NIMS). A two day meeting was held in January that continued the discussion on the SNMP Implementation Section with a focus on the Implementation Framework as well as discussion of principles to govern development of a Drought Policy.

A brief summary of all CV-SALTS technical projects can be found under the CV-SALTS website at: <http://www.cvsalinity.org/index.php/committees/technical-advisory/technical-projects-index.html>

The CV-SALTS Lower San Joaquin River (LSJR) Committee has completed its efforts to compile technical information necessary to support a Basin Plan Amendment (BPA) for salinity water quality objectives in the stretch of river between the Merced River and Vernalis. During September and October, the committee reviewed the last of the reports developed by Larry Walker Associates to support the amendment which includes recommendations for the final BPA. The committee decided to approve the reports with the understanding that there was not full consensus with all recommendations. Areas of disagreement are to be documented and provided to staff for consideration during BPA development. The proposed amendment is scheduled for consideration by the Board in 2016.

The annual update to the State Water Board on the CV-SALTS initiative is scheduled for 16 February. A Central Valley Water Board workshop is being planned for June 2016 to discuss the overall SNMP framework as well as the case studies supporting the recommendations.

2. **CV-SALTS Meeting Participation**

On 18 and 19 November, Pamela Creedon, Karl Longley, Clay Rodgers, Jeanne Chilcott, and Glenn Meeks participated in the CV-SALTS Executive Committee Policy Meeting which focused on the framework for implementation measures for Nitrate and TDS.

On 4 December, Jeanne Chilcott and Pam Buford attended the CV-SALTS Executive Committee Administrative meeting which focused on how CV-SALTS will coordinate with other stakeholder studies, procurement for the remaining work to finalize the SNMP for the Central Valley, and developing the Annual Report for the State Water Board.

On 4 January, Pamela Creedon, Jeanne Chilcott, Adam Laputz, and Pam Buford attended the CV-SALTS Executive Committee subcommittee meeting to finalize development of the Annual Report to the State Water Board for 16 February 2016.

On 14 and 15 January, Pamela Creedon, Karl Longley, Clay Rodgers, and Jeanne Chilcott, participated in the CV-SALTS Executive Committee Policy Meeting which focused SNMP Implementation section and potential Drought Policy.

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

A monthly staff meeting with representatives of the USBR was held on 16 November. The monitoring site needs for real time management of salt in the Lower San Joaquin River were identified and ideas to implement upgrades discussed. The locations of additional sites were identified and ideas discussed on ways to encourage owners or operators of these sites to join the Real Time Salinity Management Program (RTMP), approved by the Board in December 2014. Funding of the RTMP was also discussed. Stakeholder training needs on the use of salinity forecasting tools in the Lower San Joaquin River, under development by USBR, were identified. Finally, USBR progress on the 2016 Annual Work Plan addendum and the 2015 Annual Report were reported.

The next meeting will be on 27 January. Topics for discussion will include the implementation of USBR's 2016 Annual Work Plan and the content of the 2015 Annual Report.

The second quarterly meeting of the Board-approved RTMP stakeholder steering committee, scheduled for 5 January, was postponed until sometime in February or March.

4. **Evaluation of Municipal and Domestic Supply (MUN) Beneficial Use in Sacramento Valley Publicly Owned Treatment Works (POTW) Receiving Water and Ag Dominated Surface Water Bodies**

The Central Valley Water Board adopted a Basin Plan Amendment to remove the municipal and domestic supply (MUN) beneficial use in twelve constructed and/or modified water bodies in the Sacramento River Basin that receive treated municipal wastewater from the cities of Biggs, Colusa, Live Oak or Willows at the April 2015 Board Meeting in Fresno. The State Water Resources Control Board adopted a resolution to approve the Basin Plan Amendment on 18 August 2015. Submission of the administrative record to the Office of Administrative Law (OAL) and US EPA for review was made in November 2015. OAL completed the review of the administrative record and approved the Basin Plan Amendment in December 2015. A response from US EPA is still pending.

The Basin Plan Amendment effort to develop a region-wide MUN evaluation process in Ag dominated surface water bodies continues to progress with the development of a draft Staff Report. Staff is also completing the supporting documentation needed to assist with the CEQA and economic analyses, scheduled for this spring.

Meeting Participation

On 13 November, Anne Littlejohn, Jeanne Chilcott, and True Khang attended a small-group stakeholder meeting in Rancho Cordova to discuss the utilization of closed recirculation systems in the region-wide process.

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. Enforcement

On 20 November 2015, Regional Board staff responded to a Spill Report from the Governor's Office of Emergency Services stating that the levee of a dairy wastewater pond located along West Linwood Avenue in Turlock had broken. The levee break released between 2.5 and 3 million gallons of dairy wastewater, flooding the dairy corrals, nearby residences and their domestic wells, and the Linwood Avenue roadway. Wastewater also flowed into the Turlock Irrigation District's canals, filling the Ceres Main Canal and flowing as far south as the valve connecting the Ceres Main Canal to the Harding Drain. Under the supervision of the Stanislaus County Hazardous Material Response team, the wastewater was pumped out of the Turlock Irrigation District canals and applied to cropland at agronomic rates. Based on sampling results from the domestic wells, a Cleanup and Abatement Order requiring the discharger to provide replacement water to residents along West Linwood Avenue was issued on 2 December 2015. Additional enforcement documents to gather information on the application of wastewater to cropland, repairs to the pond embankment, and wastewater impacts to domestic wells in the area are being developed. (CMH)

On 26 October, staff from the Fresno office issued a letter to the dairies in the Region stating that because an El Niño winter has been predicted for some time, we expect dischargers to take measures now to prevent or minimize rain-related wastewater pond overflows and/or off-property discharges. If there are rain-related violations, and a discharger failed to take adequate measures ahead of time, then it is likely that the Water Board will take enforcement actions, which could include monetary penalties. (DEE)

2. Inspections

Staff has completed approximately 136 dairy inspections for FY 2015/16. This is less than what is required to meet the target performance goal of inspecting each CDQAP-certified dairy covered under the Dairy General Order once every five years, and non-certified dairies once every three years. Some staff resources have been diverted to working on the General Orders for Bovine Feedlots and for Poultry Facilities. In addition, the Fresno office is in the process of replacing two dairy inspector positions that are vacant because of attrition and staff re-assignment. Once those vacancies have been filled, we intend to accelerate the inspection schedule and meet the performance target. (DEE)

OIL FIELDS

1. **Waste Water Surface Pond**

Central Valley Water Board staff continues to address issues associated with unlined surface ponds used to dispose of oil field wastewater. In 2015, 100 Section 13267 orders were issued to operators of active ponds to require submission of analytical data for produced water waste constituents. Staff has issued 19 Notices of Violation for inadequate responses to the 13267 orders.

Staff is drafting enforcement orders for those facilities that are not covered by waste discharge requirements or where the current waste discharge requirements need to be updated. Staff has drafted 60 cleanup and abatement orders (CAOs), 44 of which have been issued as final. Work plans for hydrogeologic investigations required by the CAOs are being submitted and reviewed by staff. These investigations will gather data needed by the dischargers to prepare Notices of Intent for General Waste Discharge Requirements that are being prepared for consideration by the Central Valley Water Board later this year.

2. **Spill Response**

Central Valley Water Board staff responds to oil field spills and upsets reported to the Office of Emergency Services. Three significant events occurred in December and January.

- A spill of approximately 400 barrels of wastewater into an unnamed blue-line stream occurred on the Berry and Ewing lease operated by Linn Operating, Inc., in the Midway-Sunset Oil Field on 4 December 2015. The source of discharge was reported to be a corroded production pipeline. The affected soil was removed and the cleanup was completed on 11 December 2015.
- A spill of about 1,000 barrels of crude oil and waste water occurred at the 4G Facility on the Elk Hills Petroleum Reserve on 21 December 2015. The source of discharge was reported to be a corroded production pipeline. The spill affected approximately 1.5 miles of an unnamed blue line stream bed. The cleanup is ongoing.
- Another spill was reported at the 4G Facility on the Elk Hills Petroleum Reserve into the another reach of the same unnamed blue-line stream bed. This spill occurred on 5 January 2016 and is being cleaned up along with the previous spill.

Staff is considering appropriate enforcement for the spills.

3. **UIC/SB-4 Program**

Staff is continuing the process of reviewing the work plans and technical reports submitted by the operators of injection wells that inject into zones that may not have been properly designated as exempt aquifers under the federal Safe Drinking Water Act. These work plans and technical reports were required by 13267 orders and require preparation and submittal of a work plan to characterize the wastewater being injected and a technical report on the quality of the groundwater within the injected zone, and in any nearby vulnerable water supply wells. In conjunction with this review, staff has issued four Notices of Violation in December 2015 to operators of injection wells subject to the orders for failing to submit information or submitting incomplete information.

An aquifer exemption application for class 1 injection wells in the Bakersfield area was review by staff and the United States Environmental Protection Agency (USEPA). Staff participated in discussions with the operator and prepared and submitted written comments to USEPA on the proposed exemption project. Additionally, Central Valley Water Board staff, in conjunction with staff of the State Water Board, reviewed a Groundwater Monitoring Plan for compliance with SB-4 regulations. Written comments were prepared and provided to State Water Board staff for incorporation into a coordinated response letter to be sent to the operator.

4. **Food Safety**

Staff has assembled a Food Safety/ Oil Fields Produced Water Expert Panel in response to recent media attention and public concern regarding the use of oil field produced water for irrigation of crops. The Expert Panel includes individuals with backgrounds in agriculture, environmental risk assessment, human health risk assessment, public health, plant physiology, and toxicology. The goal of the Panel is to help the Water Boards identify possible risks in using produced water for irrigation. The first Food Safety/ Oil Fields Produced Water meeting was in January 2016. The meeting included presentations from stake holders, and some members of the expert panel. More meetings are planned for the future.

GROUND WATER STRATEGY

Groundwater Quality Protection Strategy for the Central Valley Region, a Roadmap – Workplan June 2013-June 2015 (Update).

The Groundwater Quality Protection Strategy June 2013-2015 Workplan can be found at:
http://www.waterboards.ca.gov/centralvalley/water_issues/groundwater_quality/index.shtml

During the December 2013 Board Meeting direction was given to staff to coordinate with the State Water Board's Groundwater Concept Paper efforts before beginning an update to the Central Valley Water Board's Groundwater Strategy. Since that time the State Water Board has put the Groundwater Workplan on hold due to increased efforts to address the drought.

Staff is in the initial stages of preparing to update the Groundwater Quality Protection Strategy for the Central Valley Region and is currently coordinating with the Board's Program Managers. An update on the Groundwater Quality Protection Strategy is currently being drafted.

The following is a brief status report on the implementation of tasks for each of the actions identified in the June 2013-2015 Workplan:

Action 6.4.1 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. CV-SALTS continue to work toward development of a Salt and Nitrate Management Plan. 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://cvsalinity.org/>

Action 6.4.2 Implement consistent and scientifically sound groundwater quality monitoring program. To implement this action a Groundwater Monitoring Advisory Workgroup (GMAW) composed of groundwater experts, which includes representatives from State and Regional Water Boards, USGS, academia, and private consultants was formed. The GMAW has identified several technical issues related to groundwater monitoring. The volunteer GMAW is tasked with development of white papers for each of the technical issues: Establishing and Applying Site-specific Background Concentrations, Conceptual Model, Monitoring Well Network Design, Additional Monitoring Techniques, Methods, and Tools. Two on-going efforts are working on related issues, a statewide committee is reviewing the Antidegradation Policy and guidance on its implementation with respects to groundwater, and CV-SALTS is looking at policy issues related to assimilative capacity. The results of these two efforts may impact the approach or guidance that would be outlined in the GMAW white papers. Therefore, to avoid duplication of efforts, the work of the GMAW will resume upon completion of both efforts.

GMAW meeting information can be found at:

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

Information on the State Water Resources Control Board review of the Antidegradation Policy Application to Groundwater can be found at: http://www.waterboards.ca.gov/plans_policies/antidegradation.shtml

Action 6.4.3 Implement Groundwater Quality Protection Programs through the Integrated Regional Water Management Plan Groups. The goal of this action is to leverage and expand groundwater quality program coverage through improved coordination and partnering with local regional groups that receive State funds through the Integrated Regional Water Management (IRWM) process. Efforts continue to encourage Regional Water Management Groups outreach to Disadvantaged Communities with distribution of a factsheet to provide information on Supplemental Environmental Project funding sources that may be available for IRWM plan projects that benefit disadvantaged communities. The factsheet is available at:

http://www.waterboards.ca.gov/centralvalley/water_issues/enforcement/sep_apr2015_fact_sheet.pdf

On-going staff participation in IRWM groups (or Regional Water Management Groups) is included under the Public Outreach section of this EO report.

Action 6.4.5 Well Design and Destruction (Abandonment) Program. Staff has reviewed and evaluated county well ordinances. Personnel at county agencies (health departments) have been contacted to determine the specific methods currently used to oversee and enforce well standards. Staff has completed a draft report, currently under management review, that summarizes those tools and methods of well standards enforcement and addresses potential issues with some of the current well standards.

Action 6.5.1(b) Develop General Order for Poultry, Cattle, or Other Confined Animal Facilities. The goal of this action is to protect groundwater from waste associated with the operation of confined animal facilities including poultry raising and egg laying facilities, bovine feedlots (heifer ranches, beef cattle yards, etc.), and other types of confined animal facilities not covered by the Dairy General Order.

A General Order for Bovine Feedlots has been drafted and is being revised to address comments after internal review, expand the order to include new and expanding facilities, incorporate provisions of the recently-adopted State Board General Order for Composting, and add surface water monitoring provisions derived from those in the Irrigated Lands Regulatory Program. A public review draft is expected to be available in the first quarter of 2016, with an information item presented at a Regional Board meeting shortly thereafter.

Drafting of the General Order for Poultry facilities has begun. An initial meeting with Poultry industry representatives was held in Modesto on 25 August. It is anticipated that an initial draft of the General Order will be available for public review and comment in the first quarter of 2016, with an information item presented at a Regional Board meeting shortly thereafter.

Action 6.5.2(a) Implementation of the Long-Term Irrigated Lands Regulatory Program (ILRP). The goal identified in the roadmap was to implement a program that establishes a groundwater protection program for wastes associated with irrigated agricultural practices. More detail on the Long-Term ILRP development and implementation can be found under the Irrigated Lands Regulatory Program section of this EO Report or found at:
http://www.waterboards.ca.gov/centralvalley/water_issues/irrigated_lands/long_term_program_development/index.shtml

Action 6.5.2(b) Coordinate with California Department of Food and Agriculture (CDFA) to identify methods to enhance outreach, education, and research through CDFA's fertilizer research and education program. The goal of this action is to reduce groundwater quality impacts from use of nitrogen based fertilizing materials in agricultural, commercial, and residential applications. ILRP staff is coordinating with CDFA on the nitrogen management certificate training program for Certified Crop Advisors and on the development of a self-certification program for growers. Staff will also coordinate with CDFA as the State Water Board responds to the Expert Panel recommendations. CDFA is participating in the Nitrogen Management Plan Technical Advisory Work Group to develop a crop nitrogen knowledge gap study plan for the agricultural water quality coalitions.

Action 6.5.3 Reduce Site Cleanup backlog. The goal of this action is to reduce the number of inactive cases (i.e., the case backlog) in the Site Cleanup Program. Since February 2012, Central Valley Cleanup Program staff has successfully reduced the number of backlogged sites classified as "Open", "Inactive", or "ZZZ" for the Central Valley Region from 718 to 560 (total reduction of 158 sites).

Action 6.5.4(a) & 6.5.4(b) Update Guidelines for Waste Disposal from Land Developments. The State Water Board Onsite Wastewater Treatment Systems (OWTS) Policy became effective 13 May 2013 and can be found at: http://www.waterboards.ca.gov/water_issues/programs/owts/index.shtml. As required by the OWTS Policy the Central Valley Water Board adopted amendments for both Basin Plans in May 2014 and were approved by the State Water Board and Office of Administrative Law.

The amendments to incorporate the OWTS Policy into our basin plans are in effect as of 26 January 2015.

The OWTS Policy gives Local Agencies the option to develop and implement performance-based requirements for new and replacement OWTS in Local Agency Management Programs (LAMPs). In the Central Valley, most Local Agencies have committed to submit LAMPs; drafts are due to our agency by 13 May 2016, and will require Regional Board approvals by 13 May 2017. Central Valley Water Board staff expects to receive 30 draft

LAMPs. To prepare for this workload, staff has maintained coordination with the State Water Board, the California Conference of Directors of Environmental Health (CCDEH), and California Onsite Wastewater Association throughout 2015, including cooperation on a preliminary completeness checklist for LAMPs. Staff met with CCDEH to discuss the checklist and Local Agencies' potential concerns; these mainly concern reporting requirements of the OWTS Policy. As a follow-up, we have composed for CCDEH review, a conceptual straw-man spreadsheet of requirements for annual reports and Water Quality Assessment Reports. The CCDEH Director is compiling comments; we will follow up with the State Water Board, likely early in 2016.

On 11 December the first LAMP was approved for Sacramento County Environmental Management Department for the county of Sacramento.

Action 6.5.4(c) Reduce backlog of existing Waste Discharge Requirements (WDRs) to be updated and new WDRs to be developed.

Staff is continuing to enroll dischargers into the state-wide Small Volume Domestic order and include rescissions of old WDRs into regular Central Valley Water Board meeting agendas. Enrollment in the conditional waiver for small food processors and wineries adopted in late 2014 of known facilities are complete. Additional enrollments of facilities are made as they become known.

State Water Board staff has targeted two General Orders for adoption in fiscal year 2017/2018 (Winery General Order and Aggregate General Order). Region 5 staff is involved directly with the development of these general orders. Development of these two orders is expected to reduce the number of backlogged applications by approximately forty but is also expected to speed up the processing of applications for WDRs from new or expanding facilities.

Accomplishments from the measures developed under the Lean 6 Sigma project include: 1) an updated *Information Needs Sheet* to assist dischargers in understanding the information staff needs to develop WDRs has been completed and is being distributed; 2) a review checklist was also completed to assist staff review for Reports of Waste Discharge; and, 3) improve permit tools to help staff develop WDRs. Work continues on developing methods to track the Lean 6 Sigma project implementation measures.

Staff forecasts 27 individual WDRs in the current fiscal year and 80 enrollments in general orders or waivers. Overall, staff expects about a 22% reduction in backlogged applications this fiscal year to 170 applications.

IRRIGATED LANDS REGULATORY PROGRAM (ILRP)

Waste Discharge Requirements (WDRs) Development

Eastern San Joaquin River Watershed, Tulare Lake Basin Area, Western Tulare Lake Basin Area, Western San Joaquin River Watershed, San Joaquin County and Delta Area, Sacramento River Watershed Area, and Grassland Drainage Area WDRs. On 17 December 2015, the Central Valley Water Board released proposed changes to the WDR General Orders for Growers within the Central Valley that are members of a Third-Party Group. The proposed changes will remove Nitrogen Management Plan (NMP) requirements for managed wetlands and irrigated pasture that do not apply fertilizer. In addition, proposed changes remove the requirement for managed wetlands to prepare a Sediment and Erosion Control Plan and allow the use of the Wetland Evaluation Template. On 7 January, a revised notice of public hearing was issued to clarify that NMPs are prepared to address applied fertilizers only. The proposed changes apply only to parcels operated exclusively as managed wetlands and irrigated pasture that do not apply fertilizers. A public hearing concerning proposed revisions will be held at the regular board meeting on 18 and 19 February 2016.

Sacramento River Watershed WDRs

On 17 December 2015, the Central Valley Water Board released a proposed revision to the Waste Discharge Requirements for Growers within the Sacramento River Watershed that are Members of a Third-party Group under Order R5-2014-0030. The proposed revision will provide a 1-year extension (from 1 March 2016 to 1 March 2017) for the following requirements for members in high vulnerability groundwater areas:

- Certification of Nitrogen Management Plans, and
- Submission of Nitrogen Management Plan Summary Reports

A public hearing concerning this matter will be held at the regular board meeting on 18 and 19 February 2016.

Sediment Erosion and Control Plan Template

On 1 December 2015, a Sediment & Erosion Control Plan Template was issued by the Executive Officer. The template is to be distributed by third-party groups / Coalitions to members to fulfill the applicable requirements of the General Order. A fillable SECP template was posted on the Central Valley Water Board website.

Nitrogen Management Plan Summary Report Template

On 23 December 2015, the Executive Officer issued the final Nitrogen Management Plan Summary Report Template for all Central Valley third-party groups (except for the California Rice Commission). The template is to be distributed by third-party groups to members to fulfill the applicable requirements of the General Orders.

Crop Nitrogen Knowledge Gap Study Plan

The Nitrogen Management Plan Technical Advisory Work Group (Work Group) was convened by the Central Valley Water Quality Coalitions to develop guidance for member growers to estimate nitrogen removed and to develop a "Crop Nitrogen Knowledge Gap Study Plan" (Study Plan). The Work Group met from April to September 2015 to discuss current nitrogen management tools, methods to estimate available nitrogen in organic amendments and residual in soil, and methods to estimate nitrogen removed during plant harvest for various crops. Based on input from the Work Group, the Coalitions submitted a Study Plan with guidance documents on 18 December 2015. On 19 January 2016, the Executive Officer provided comments on the Study Plan and required a revised Plan by 19 February 2016.

ILRP Stakeholder Meeting

On 13 January 2016, the ILRP held a stakeholder meeting at the Merced Farm Bureau. The meeting was held to provide an open forum for communication between Water Board staff, agricultural coalitions, environmental justice groups, and other interested parties in Central Valley Region. Updates were provided by representatives of the Water Board, California Department of Food and Agricultural, agricultural coalitions, and environmental justice groups. A focused discussion was held regarding the Crop Nitrogen Knowledge Gap Study Plan.

ILRP Compliance, Outreach & Enforcement

Agricultural Parcel Inspections

The purpose of these inspections is to determine if the parcels are commercial irrigated lands that require coverage under the Irrigated Lands Regulatory Program (ILRP). Data gathered during these inspections will be used to focus and prioritize the issuance of 13260 directives to commercial irrigated lands that are not covered by the ILRP. Growers may obtain coverage by joining an agricultural water quality coalition and enrolling in the associated ILRP general order or enrolling in the ILRP individual general order. The table below presents parcel inspections conducted for each coalition area. Coalition areas not shown had no inspections during the reporting period.

Coalition Area	Parcel Inspections Nov 1 – Jan 15
Kaweah Basin	10
Kings River	70
San Joaquin County & Delta	124
Sacramento Valley	54
Tule Basin	29
Total	287

Water Code Section 13260 Directives

These directives are sent to owners of commercial irrigated lands as identified through staff inspections of agricultural-zoned parcels. The recipients are required to submit a Notice of Intent (NOI) to obtain either group or individual regulatory coverage within 15 days of receipt of the directive. Coalition areas not shown had no directives mailed during the reporting period.

Coalition Area	Directives Mailed Nov 1 – Jan 15
Kaweah Basin	4
San Joaquin County & Delta	103
Sacramento Valley	125
Tule Basin	10
Total	242

Notices of Violation for Failure to respond to a Water Code Section 13260 Directive

Notices of Violation (NOVs) are sent to landowners who fail to respond to a 13260 Directive. These owners of commercial irrigated lands were previously mailed directives that required the recipients to submit proof of coalition membership or a Notice of Intent to get regulatory coverage. The NOVs give the recipients 15 days to respond or face administrative civil liability. The table below presents NOVs mailed by coalition area. Coalition areas not shown had no NOV mail outs during the reporting period.

Coalition Area	NOVs Mailed Nov 1 – Jan 15
East San Joaquin	1
San Joaquin County & Delta	33
Sacramento Valley	26
Kings River	25
Total	85

Settlement of Administrative Civil Liability Complaints

On 23 December 2015 the Central Valley Regional Water Quality Control Board (Regional Board) reached a settlement agreement with Pedro Escobedo in the amount of \$21,000 for violating Water Code section 13260 by failing to obtain regulatory coverage for their irrigated agricultural lands. The full Settlement Agreement is available for review on the Regional Board's adopted orders webpage.

Coalition Enrollment Summary

The tables below provide the latest coalition enrollment data based on coalition member lists submitted annually to comply with the ILRP general order requirements and subsequent voluntary updates to member lists. The ILRP General Orders require coalitions to provide enrollment data each July but staff requests a voluntary update in December to ensure accurate information for annual billing. The reductions in acreage are primarily due to drought-related fallowing of land. Also, some dairymen have modified their dairy general order coverage to include crop land that was once in the ILRP.

Coalition Group	East San Joaquin	Sacramento Valley	San Joaquin Co. & Delta	Western San Joaquin River
Participating Growers				
Number of Growers, as of July 2015	3,743	8,618	3,515	2,507
Number of Growers, as of Jan 2016	3,579	8,618	3,515	2,508
Change (Additional Growers Enrolled)	-164	0	0	1
Enrolled Acreage				
Number of Acres, as of July 2015	713,216	1,340,216	386,452	446,057
Number of Acres, as of Jan 2016	696,156	1,340,216	386,452	435,922
Change in Acres Enrolled	-17,060	0	0	-10,135

Coalition Group	Buena Vista	Cawelo	Kaweah Basin	Kern River	Kings River	Tule Basin	Westside	Westlands
Participating Growers								
Number of Growers, as of July 2015	61	87	1,321	819	5,165	1,116	43	1,214
Number of Growers, as of Jan 2016	61	87	1,321	819	4,724	1,116	43	1,275
Change (Additional Growers Enrolled)	0	0	0	0	-441	0	0	61
Enrolled Acreage								
Number of Acres, as of July 2015	30,788	34,524	163,422	513,097	790,358	225,018	99,761	511,467
Number of Acres, as of Jan 2016	30,788	34,524	163,422	522,776	761,019	225,018	99,761	490,495
Change (Additional Acres Enrolled)	0	0	0	9,679	-29,339	0	0	-20,972

Sacramento River Watershed Coalition Groups

California Rice Commission Coalition

On 1 October, the California Rice Commission submitted the draft Groundwater Trend Monitoring Workplan and Data Gap Assessment Plan for staff review. The draft Workplan includes a quality assurance project plan for groundwater to supplement the surface water plan as an appendix. As required by the Order, the Workplan details the groundwater trend monitoring that will take place to determine current water quality conditions of groundwater relevant to rice operations and develop long-term groundwater quality information that can be used to evaluate the regional effects of rice practices. The draft Workplan is under staff review.

On 24 December, the California Rice Commission submitted the 2015 Annual Monitoring Report for Waste Discharge Requirements for Sacramento Valley Rice Growers. As required by the Order, the Annual Report details the monitoring conducted from 1 November 2015 through 31 October 2015. The draft Annual Report is under staff review.

Sacramento Valley Water Quality Coalition

On 5 November, Central Valley Water Board staff held a Quarterly Management Plan Meeting with Sacramento Valley Water Quality Coalition (SVWQC) to discuss the status of submitted management plan completion requests; progress of SVWQC's management plans; status of the Sediment Discharge Erosion Assessment Report Workplan to Address Proximity to Surface Waters; and Farm Evaluation Survey reporting requirements.

On 16 December, SVWQC submitted requests to complete management plans for chlorpyrifos and diuron in Willow Slough in Yolo County. Staff is in the process of reviewing the requests.

On 17 December, staff held a meeting with SVWQC to discuss the required frequency of Farm Evaluation Surveys for those areas with only *E. coli* management plans; and pH and dissolved oxygen management plan requirements for Fall River and Pit River in the North Eastern California Water Association.

On 21 December, SVWQC submitted a request for completion of a management plan for diazinon in Gilsizer Slough in the Butte-Yuba-Sutter subwatershed. Staff is in the process of reviewing the requests.

On 23 December, SVWQC submitted the Sediment Discharge and Erosion Assessment Report (SDEAR) – Workplan to Address Proximity to Surface Waters. The workplan was prepared in response to the Central Valley Water Board's 14 August 2015 letter, which required SVWQC to submit a workplan and timeline to address proximity to surface waters in order to receive final approval of the SDEAR. Staff is in the process of reviewing the workplan.

On 28 December, the Napa County Putah Creek subwatershed submitted a proposal for the Reduced Monitoring / Management Practices Verification Option for review and approval by the Central Valley Water Board Executive Officer. Staff is in the process of reviewing the proposal.

San Joaquin River Watershed Coalition Groups

East San Joaquin Water Quality Coalition

On 4 November, the Executive Officer partially approved the East San Joaquin Water Quality Coalition's Surface Water Quality Management Plan (SQMP). The updated SQMP includes a compliance schedule to meet water quality objectives and provides a timetable to conduct source identification studies for constituents with unknown sources of exceedances. For the final approval, the Coalition is required to provide justification to lower the dissolved oxygen trigger limit for 12 conveyance/drainage structures.

On 13 November, the Executive Officer approved the Coalition's Monitoring Plan Update (MPU) for the 2016 water year (1 October 2015 through 30 September 2016). The proposed schedule includes monitoring of constituents during the application periods.

On 1 December, staff received the East San Joaquin Water Quality Coalition's Quarterly Monitoring Data Report for the period April-June 2015.

On 4 December, the Executive Officer approved the Coalition to prepare Phase II of the Groundwater Quality Trend Monitoring (GQTM) Work Plan. The Coalition is required to justify the proposed depth of the monitoring wells in Phase I of the GQTM Work Plan. The Coalition must also revise the GQTM Work Plan so that all Trend Monitoring Program wells are sampled a minimum of annually and samples are analyzed for all required constituents listed in the Order.

On 4 December, the Executive Officer approved the completion of Coalition's management plans for 12 site/constituent pairs that met the conditions for completion; management plans will continue for 2 site/constituent pairs that do not meet the requirements for completion.

On 23 December, the Executive Officer conditionally approved the Coalition's Proximity to Surface Water Work Plan. The work plan was prepared in response to the conditional approval of the Sediment Discharge and Erosion Assessment Report. The Coalition proposal not to require a Sediment and Erosion Control Plan from parcels that have a barrier or elevation difference with adjacent water bodies or covered with a riparian vegetation is acceptable, provided that the parcels do not have any discharge mechanisms that circumvent the elevation difference, or additional information regarding the adequacy of the vegetation to filter out sediment is provided.

On 8 January, the Executive Officer approved the Coalition's Quality Assurance Project Plan amendment request. The Coalition is revising the data quality objectives for acceptable percent recovery limits in laboratory control spikes and matrix spikes.

San Joaquin County and Delta Water Quality Coalition

On 24 November, the Executive Officer approved the May 2015 San Joaquin County and Delta Water Quality Coalition's Surface Water Quality Management Plan with stipulations. The plan provides an evaluation of water quality impairments, evaluation of management practices, and establishes performance goals and measures with a time-table.

On 18 December, the Executive Officer approved the Coalition's Monitoring Plan Update. The Monitoring Plan Update proposes the water quality monitoring schedule for the period between October 2015 and September 2016.

On 15 December, staff received the SJD Coalition's work plan for addressing discharge risk from parcels in proximity to surface water. This was in response to the Executive Officer's request for more information in the Sediment Discharge and Erosion Assessment Report review. The work plan is under staff review.

On 18 December, the Executive Officer approved the Coalition's request for completion of management plans. Twenty site/constituent pairs included in the September 2015 request for management plan completion were found to meet the Order's requirements.

On 18 December, the Executive Officer approved the Coalition's April Groundwater Assessment Report. The purpose of the GAR is to provide the foundational information necessary for design of the Management Practice Evaluation Program, the Groundwater Quality Trend Monitoring Program, and the Groundwater Quality Management Plan(s).

Westside San Joaquin River Watershed Coalition

On 13 November, the Westside San Joaquin River Watershed Coalition submitted the draft Western San Joaquin River Watershed Comprehensive Groundwater Quality Management Plan for staff review. The Plan was submitted in accordance with Waste Discharge Requirements General Order R5-2014-0002 (Order) and defines the methods that will be used to address high vulnerability groundwater areas designated by the Groundwater Quality Assessment Report. The Plan is currently under staff review.

On 13 November, staff held a Quarterly Meeting with Coalition representatives to discuss the status of ongoing surface water quality management plans. Coalition education and outreach activities were discussed along with exceedance reports, comprehensive surface water quality management plan report, wetland supply channels monitoring and management plan completion requirements.

On 25 November, the Executive Officer conditionally approved the Coalition's 'Sediment Discharge and Erosion Assessment Report' that requires the Coalition to submit a work plan with a timeline to address proximity to surface waters as a risk factor by 25 March 2016.

On 25 November, the Executive Officer approved the Coalition's 2015 Monitoring Plan Update. This Monitoring Plan covers the period from March 2015 through February 2017 and fulfills the monitoring and reporting program requirements of the Order.

On 22 December, staff met with Coalition representatives to discuss additional monitoring sites that would be required for the wetlands supply channels (for selenium and boron). A proposal from the Coalition is under review.

On 15 January, the Coalition submitted their Monitoring Plan Update-2016 (MPU-2016) to accommodate the changes in their monitoring plan by including additional monitoring for Selenium and Boron at the Wetlands Supply Channels. The MPU-2016 is currently under staff review.

Grassland Basin Drainage Steering Committee (Grassland Drainage Area Coalition)

On 20 October, the Grassland Drainage Area Coalition submitted a draft outline for the Groundwater Quality Assessment Report for staff review. The draft outline details the information and format for the Report required by 31 July 2016. On 12 November, the Irrigated Lands Regulatory Program Manager approved the proposed outline for the Groundwater Quality Assessment Report.

Tulare Lake Basin Coalition Groups

Buena Vista Coalition

On 5 November 2015, the Executive Officer issued a conditional approval of the Sediment Discharge and Erosion Assessment Report submitted by the Buena Vista Coalition. The conditional approval requires that revisions to the report be submitted by 5 March 2016.

Cawelo Water District Coalition

On 13 November 2015, the Executive Officer issued a conditional approval of the Sediment Discharge and Erosion Assessment Report submitted by the Cawelo Water District Coalition. The conditional approval requires that revisions to the report be submitted by 16 March 2016.

On 21 December 2015, staff met with the Cawelo Water District Coalition to discuss the necessary revisions to the SDEAR and the timeline for submittal.

Tule Basin Water Quality Coalition

On 8 December 2015, staff met with the Tule Basin Water Quality Coalition to discuss the necessary revisions to the Sediment Discharge and Erosion Assessment Report and the timeline for submittal.

Westlands Water Quality Coalition

On 20 November 2015, the Executive Officer issued a conditional approval of the Sediment Discharge and Erosion Assessment Report submitted by the Westlands Water Quality Coalition. The conditional approval requires that revisions to the report be submitted by 21 March 2016.

Westside Water Quality Coalition

On 2 November 2015, the Executive Officer issued a conditional approval of the Sediment Discharge and Erosion Assessment Report submitted by the Westside Water Quality Coalition. The conditional approval requires that revisions to the report be submitted by 2 May 2016.

Other Projects

Data Management

In May 2015, the Central Valley Regional Data Center's (CVRDC) contract expired, and CVRDC's assistance with loading ILRP data into the California Environmental Data Exchange Network (CEDEN) has ceased until a new contract is executed. This has delayed uploads of ILRP data into CEDEN and will make it more difficult for interested parties to obtain some of the ILRP data.

Data collected prior to 2009 will continue to be available on the ILRP surface water quality data webpage until those sets are processed and transferred to CEDEN. Staff is currently processing the Westside and Sacramento Valley Coalition data collected between 2004 and 2008. Once complete, this set will complement the existing data on CEDEN providing all of the data submitted by the Westside Coalition since program inception.

Staff continues to process USBR Grassland Bypass Project monitoring data for 2013 and 2014. These data are new for the ILRP to process and will require a significant amount of time to be loaded into the CV RDC replica.

On 30 November, the Westside San Joaquin River Coalition provided their semi-annual monitoring data deliverable. After the data management team validates the data, it will be loaded into the CV RDC database replica.

On 1 December, staff received the Sacramento Valley Coalition data deliverable covering the monitoring period April through June 2015. After the data management team validates the data, it will be loaded into the CV RDC database replica.

Staff loaded the Grasslands Bypass Project electronic field data deliverable covering the monitoring period January through July 2015 into the CV RDC replica database. Staff has been experiencing delays with transmittal of the data to CEDEN because the contract with the CV RDC has expired.

Grassland Bypass Project

On 31 August, the U.S. Bureau of Reclamation submitted the draft Quality Assurance Project Plan for the Compliance Monitoring Program for the operation of the Grassland Bypass Project for staff review. As required by the Order, the draft Plan specifies the sampling and analytical procedures that must be followed by Grassland dischargers. However, some omissions were noted by staff, and a revised draft will be submitted.

On 18 December, the Grassland Bypass Project submitted the final Update of Long Term Drainage Management Plan required under Waste Discharge Requirements Order 5-01-234. Future drainage management updates will be submitted in accordance with Waste Discharge Requirements Order R5-2015-0094, adopted on 31 July 2015.

On 4 January 2016, the U.S. Bureau of Reclamation submitted the draft Grassland Bypass Project Sediment Monitoring Plan for staff review. As required by the Waste Discharge Requirements Order R5-2015-0094, the draft Plan provides details of the monitoring program for sediment for the Grassland Bypass Project. The draft Plan is currently under staff review.

Rice Pesticides Program

On 17 December, the California Rice Commission submitted the draft technical memorandum for the Rice Pesticides Program: 2015 Thiobencarb Performance Goal Exceedances. Monitoring for thiobencarb started the last week of April and ended on 1 July 2015. Exceedances of the thiobencarb performance goal were observed in two Colusa Basin Drain sites; there were no thiobencarb detections at the water intakes for the Cities of West Sacramento and Sacramento. The California Rice Commission initiated additional monitoring upstream of a Colusa Basin Drain site that is not required by the Rice Pesticides Program to better characterize the drainage. The draft memorandum is currently under staff review.

NON POINT SOURCE

1. **Cleanup & Abatement Order (CAO)**

On 5 October 2015, Cleanup and Abatement Order (CAO) R5-2015-0740 was issued to the Soper Family 2004 Trust. The CAO required soil stabilization at the Soper property, implementation of erosion control measures, and any other action necessary to prevent future sediment discharges and other contaminated runoff from impacting surface waters. The CAO required submission of a Sediment and Erosion Control Plan to the Central Valley Water Board by 31 October 2015. This deadline was met when the Storm Water Pollution Prevention Plan for Soper Olive Tree Orchard was submitted to the Central Valley Water Board.

On 16 December 2015, Central Valley Water Board staff conducted a joint inspection of the Soper property with representatives from Lake County Public Works Department (Roads Maintenance Division) and Community Development Department, the California District Attorneys Association, and the California Department of Fish and Wildlife. The inspectors were met by Noel McCormack, property manager of the Soper Property, and Bill Vanderwall, an engineer hired by the Soper Trust to develop the CAO-required Sediment and Erosion Control Plan. Staff observed improved soil stabilization and erosion control in compliance with CAO requirements, but also observed improper installation of some erosion control measures and advised Mr. Vanderwall and Mr. McCormack on corrective measures.

GRANTS

Technical Assistance – Support Needs of Small Disadvantaged Communities (DACs)

The State Water Board has contracts in place with Rural Community Assistance Corporation, California Rural Water Association, and Self-Help Enterprises to provide technical assistance to small disadvantaged communities for drinking water and wastewater treatment services. A new Proposition 1 Technical Assistance Program is under development. For information on eligible activities visit the Office of Sustainable Water Solutions website at:

http://www.waterboards.ca.gov/water_issues/programs/grants_loans/sustainable_water_solutions/index.shtml

Current Funding administered through State Water Board

There are several financial assistance programs that are currently accepting applications for loan and grant funding for construction of municipal sewage and water recycling facilities, remediation for underground storage tank releases, watershed protection projects, nonpoint source pollution control projects, etc. More information can be found on the State Water Board's Division of Financial Assistance website and clicking on the Current Funding tab:

http://www.waterboards.ca.gov/water_issues/programs/grants_loans/

Clean Water Act §319(h) Nonpoint Source Grant Program on-going grants:

Implementation Middle Creek Watershed Road Storm Proofing Project (\$750,000) - The West Lake Resource Conservation District is implementing this project focused on contributing to the restoration of Clear Lake by reducing the amount of mercury and nutrient transporting sediment reaching the lake and its tributaries. (end date 12/30/15)

Extending Agricultural BMPs in the Lower San Joaquin River Watershed (\$483,720) – The Sustainable Cotton Project will continue work engaging more farmers of alfalfa, cotton, almonds and more acres in the Lower San Joaquin River watershed in implementing proven BMPs. Chlorpyrifos and diazinon comprise the adopted TMDL for the watershed. This grant works to reduce or eliminate farmers' use of diazinon and chlorpyrifos. (end date 6/30/16)

Mercury on a Landscape Scale: Balancing Regional Exports with Wildlife Health (\$749,500) – The Bureau of Land Management is using the Cosumnes River Preserve to test water flow strategies for removing methylmercury as it is an ideal matrix of replicate seasonal wetlands to evaluate potential management practices to reduce methylmercury concentrations. (end date 6/30/17)

Eightmile Valley Sediment Reduction and Habitat Enhancement Project (\$749,992) – The Bureau of Land Management will reduce the volume of sediment delivered to Clear Lake by realigning a severely eroded stream channel, establishing a prescriptive treatment for erosion control, installing grade control structures and engineering bank revetment using hardscape, bioengineering and revegetation. (end date 6/30/2018)

Grant Agreement Finalized for Demonstration Pilot Project for Biological Denitrification of Rural Community Groundwater

A \$359,100 Grant Agreement with the City of Delano was finalized on 19 January 2016 to pilot test a fixed-bed biological (FXB) treatment system to remove nitrate from groundwater in the community of Paradise Colony. The community consists of five homes and approximately 12 residents. The houses are served by a water supply well with nitrate concentrations above the maximum contaminate level. It is anticipated that a pilot unit will be on-site and operational by April. Treated water from the pilot test will not be provided to the residents during the test. The overall purpose of the pilot test is to provide data to be used to determine the efficacy of the FXB treatment system for treating a nitrate contaminated water supply for a very small rural community such as Paradise Colony that has a low water demand profile. If the remotely operated pilot demonstration is successful, a multitude of such drinking water treatment systems could potentially be deployed in small disadvantaged communities throughout the Region. Such a regional approach could lower both capital and operation and maintenance costs to individual communities. (SJK)

GENERAL

1. **Lean 6-Sigma Project Update**

The improvement techniques have been shared with staff in November 2015. Staff is incorporating these techniques into the process of drafting Waste Discharge Requirements (WDRs). The amount of time it takes to complete each expedited step in the WDR process will be recorded. As we obtain more data, we will review and determine how much time we are saving on the WDR process.

2. **Support for Valley Fire Responses**

Board staff from the Storm Water and Nonpoint Source Programs supported the Big Valley Band of Pomo Indians' post-fire monitoring effort to assess potential water quality impacts from the recent Valley Fire in Lake County near Clear Lake and Lake Berryessa. To help design the monitoring plan, Steve Rosenbaum, Richard Muhl, Holly Grover, and Michelle Wood participated in meetings with the Big Valley Environmental Protection Department (EPD) Director, the Elem Indian Colony Environmental Protection Agency Director, researchers with expertise in fire-related persistent pollutants from the Department of Toxic Substances Control Berkeley Environmental Chemistry Lab, and State Water Board Division of Drinking Water staff. Big Valley EPD staff completed the first sampling event in December of storm flows in two creeks that drain to Clear Lake, with laboratory analyses funded by the Central Valley Water Board's existing laboratory contract. Two more storm sampling events are planned. Steve Rosenbaum, Holly Grover, and Michelle Wood will continue to provide planning and logistical support as needed.

3. **OWTS Policy – Local Agency Management Programs**

Sacramento County Environmental Management Department

The State Board's Water Quality Control Policy for Siting, Design, Operation, and Maintenance of Onsite Wastewater Treatment Systems (OWTS Policy), newly enacted standards for rural domestic systems, gives Local Agencies the option to submit a Local Agency Management Program (LAMP) in lieu of conservative, prescriptive default standards. Draft LAMPS are due by 13 May 2016. On 17 March 2014, the Sacramento County Environmental Management Department submitted an early draft LAMP. Central Valley Water Board and State Board Division of Drinking Water staffs have reviewed the LAMP, and find it sufficient to meet OWTS Policy objectives. Therefore, on 11 December 2015 the Regional Board approved the LAMP with a Resolution (EJR).

TITLE 27 PERMITTING AND MINING

Sulphur Creek Mercury Mine Cleanup Project, Colusa County

Proposed mercury mine cleanup actions in the Sulphur Creek Mining District by Homestake Mining Company of California have been on hold since 2014 due to permitting delays with the U.S. Army Corps of Engineers (USACE). The cleanup project includes the removal and/or stabilization of mining waste (i.e., waste rock, tailings, stockpiled ore, and shallow mercury-enriched soils) to reduce mercury loading from inactive mercury mining activities to Sulphur Creek, which is tributary to Cache Creek. Remediation of the inactive mercury mines was mandated by a Clean Water Act Total Maximum Daily Load (TMDL) that was incorporated into the Basin Plan for the Sacramento and San Joaquin River Basins (see page IV-33.04 of the Basin Plan).

In August of 2013, Homestake submitted a 404 permit application to the USACE for removal of mining related materials from areas in and around Sulphur Creek during the 2014 construction season. However, subsequent review and approval of the 404 permit application by the USACE has been sidetracked by cultural resources identification rather than the proposed cleanup actions. The USACE has not provided a timeline to approve the 404 permit. (JSH)

PUBLIC OUTREACH

On 3 November, Anthony Medrano participated in the monthly meeting of the Kern Environmental Enforcement Network (KEEN) meeting to review and provide updates regarding environmental complaints lodged by various disadvantaged community groups and members.

On 4 November, Anthony Medrano participated in the monthly meeting of the Identifying Violations Affecting Neighborhoods (IVAN) Kings County meeting to review and provide updates regarding environmental complaints lodged by various disadvantaged community groups and members.

On 5 November, Janis Cooke attended a meeting of the Nutrient Technical Workgroup for the San Francisco Bay Nutrient Management Strategy. The group heard updates regarding recently completed research of Suisun Bay phytoplankton and ongoing research of dissolved oxygen and biogeochemistry in Lower South Bay.

On 9 November, Cori Hansen attended a Fuel Break field tour in the Shingletown area that highlighted the importance of constructing and maintaining fuel breaks. Representatives from CalTrans and private industrial timber discussed the role of herbicides in maintaining fuel breaks and representatives from the Sierra Nevada Conservancy, NRCS, and CAL FIRE discussed grant opportunities to fund such projects.

On 9 November, Cori Hansen attended a Fuel Break field tour in the Shingletown area that highlighted the importance of constructing and maintaining fuel breaks. Representatives from CalTrans and private industrial timber discussed the role of herbicides in maintaining fuel breaks and representatives from the Sierra Nevada Conservancy, NRCS, and CAL FIRE discussed grant opportunities to fund such projects.

On 10 November, Anthony Medrano participated in the monthly meeting of the Fresno Environmental Reporting Network (FERN) meeting to review and provide updates regarding environmental complaints lodged by various disadvantaged community groups and members.

On 12 November, Sarah Rutherford and Eric Warren presented to the California Association of Pest Control Advisers' Continued Education meeting at the International Agri-Center in Tulare. Approximately 150 attended, including pest control advisers, certified crop advisers, and farm managers. The presentation included an overview of the ILRP, farm evaluation templates, nitrogen management plan requirements, sediment and erosion control plan requirements, and enforcement.

On 12 November, Terry Bechtel provided an ILRP presentation to growers who attended a meeting sponsored by the Sutter County Agricultural Commissioner's office. The presentation focused on the nitrogen management plan and related reports, as well as prevention of sediment discharges. An estimated 60 growers attended.

On 16 November, Lynn Coster and Gurbinder Dhaliwal toured the Putah Creek Watershed. The Pope Creek monitoring site was viewed on the tour and recent monitoring results were discussed. Discussion also included Napa County's mandated Erosion Control Plan (ECP); SVWQC plans to propose use of the ECP in lieu of the Sediment Erosion Control Plan required by the Central Valley Water Board.

On 17 November, Lynn Coster, Gurbinder Dhaliwal, Holly Grover, and Rajmir Rai attended a tour of the Lake subwatershed. The Lake subwatershed plans on submitting a proposal for the Reduced Monitoring / Management Practices Verification Option. The tour included monitoring sites Middle Creek and McGaugh Slough and focused on sustainable management practices being implemented by members and the low amount of pesticide usage in the subwatershed.

On 17 November, Shane Edmunds participated in the Greater Battle Creek Watershed Working Group meeting held in Red Bluff. Topics included a new proposal for a hydroelectric project in the South Fork Battle Creek, a riparian restoration project in the main stem Battle Creek below Coleman National Fish Hatchery and an update to the group on the State Water Board's AB 1492 Forest Restoration Grant Fund proposals submitted in the Battle Creek watershed.

On 18 November, Melissa Buciak attended a public meeting held in the Board of Supervisors chambers in Willows. The purpose of the meeting was to receive oral comments on the adequacy of the analysis included in

the Draft EIR for the Glenn County Solid Waste Conversion Facility. The comments will be addressed in the Final EIR. The project would include the construction and operations of a new solid waste receiving and transfer facility, anaerobic digester facility, on-site electrical generation facility, utility connections, compressed natural gas production facility, and fueling station. The project would be a MSW/MRF and AD facility. Several stakeholders, local agencies and consultants were in attendance.

On 18 November, Bethany Soto participated in a State Water Board Groundwater Quality Funding Workshop held at the Central Valley Water Board's Fresno office. The workshop focused on providing information on eligibility requirements of the funding program and solicited the public for comments on the draft guidelines. On 18 November 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 Aerojet's remediation efforts, an evaluation of groundwater plume stability, documents under review, 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 1 December, Anthony Medrano participated in the monthly meeting of the KEEN meeting to review and provide updates regarding environmental complaints lodged by various disadvantaged community groups and members.

On 1 December, Eric Warren and Nick Smaira presented to the California Association of Pest Control Advisers' Continued Education meeting at Hodel's Restaurant in Bakersfield. Approximately 50 attended, including pest control advisers, certified crop advisers, and farm managers. The presentation included an overview of the ILRP, farm evaluation templates, nitrogen management plan requirements, sediment and erosion control plan requirements, and enforcement.

On 2 December, Janis Cooke, Laura McLellan, and Selina Cole attended a quarterly community stakeholder group meeting for the Delta Mercury Exposure Reduction Program. The Delta MERP grantees gave an update on their mercury exposure reduction activities to date. In addition, Laura McLellan gave a presentation on mercury sources to the Delta and strategies to reduce and manage Delta mercury.

On 2 December, Anthony Medrano travelled to Kettleman City to post Public Notices for a proposed underground storage tank case closure for a Shell Gasoline station. Notices were posted at various public locations throughout Kettleman City.

On 2 and 3 December, Shane Edmunds and Emily Harding attended the 7th workshop of the Mendocino Firescape Working Group in Corning, California. The first day involved a field tour looking at fuels reduction projects on private and public lands in western Tehama County. The group discussed potential future projects and saw examples of possible treatments. The second day was a workshop discussing how different stakeholders could help the group achieve its goals. Our update to the group was we are working on a new timber waiver and may have future funding opportunities for fuels projects via the AB 1492 Forest Restoration Grant Fund.

On 7 December, Anthony Medrano travelled to Kettleman City to post modified Public notices for the proposed underground tank case storage closure.

On 8 December Anthony Medrano participated in the monthly meeting of the FERN meeting to review and provide updates regarding environmental complaints lodged by various disadvantaged community groups and members.

On 10 December, Janis Cooke attended a meeting of the San Francisco Bay Nutrient Management Strategy Steering Committee. The group heard a progress report of nutrient science program activities and commented on general science plan priorities for fiscal year 2017. Ongoing work in San Francisco Bay includes monitoring with moored sensors, ship-based transects, and a network South Bay margin habitats for constituents including flow, turbidity, dissolved oxygen, phytoplankton, and algal toxins. The group also discussed plans for a workshop on phytoplankton species and composition being planned jointly by the San Francisco Bay and Delta nutrient stakeholder groups.

On 10 December, James Taylor participated in the former McClellan Air Force Base Restoration Advisory Board (RAB) meeting at the Lionsgate Hotel and Conference Center in McClellan, 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 topics for the meeting were general updates on the Air Force and Privatized Cleanup Projects at McClellan.

On 11 December, Christine Joab attended the USDA-Agricultural Research Services 6th Technical Update/Planning Meeting for the Area wide Project for the Integrated Management of Aquatic Weeds in the Sacramento-San Joaquin Delta. Project participants provided an update on their efforts in developing and implementing new control measures. Christine Joab provided a brief overview on the Delta Nutrients Research Plan and the development of white paper on factors controlling submersed and floating macrophytes in the Delta.

On 14 December 2015, Anthony Medrano travelled to California Endowment Center in Los Angeles to participate in their annual Environmental Justice Symposium as a panelist for the FERN and KEEN IVAN groups.

On 17 December, Terry Bechtel provided an ILRP presentation to foothill growers who attended a meeting sponsored by the East San Joaquin Coalition. The presentation focused on sediment and erosion control on new foothill orchards and vineyards, and potential enforcement actions for sediment discharges. An estimated 45 growers attended.

On 6 January, Bethany Soto participated in the Tulare Basin Watershed Connections Workgroup. This workgroup is made up of various agencies and organizations with an interest in working together to advance watershed planning and resource management in the Tulare Basin. The group discussed projects that some members are actively working on or wanting to implement within the Sierra Nevada. Priorities and expectations for continued meetings and project collaboration were also discussed.

On 7 January, Bethany Soto participated in the Tule River Basin Integrated Regional Water Management (IRWM) Advisory Committee Meeting. Members discussed the status of the group's draft plan which was submitted to the Department of Water Resources for review, the current project list, how the projects may be prioritized, and upcoming grant opportunities.

On 7 January, Alex MacDonald provided nation-wide training via the internet for the Integrated DNAPL Source Site Strategy Team of the Interstate Technical Regulatory Council (ITRC). Alex was one of four instructors for the 2.25-hour training on the ITRC document *Integrated DNAPL Site Strategy* (2011). This was the eighth of several training sessions on the document. The training is provided free of charge and approximately 250 people world-wide attended the training.

On 11 January, Bethany Soto participated in the Poso Creek IRWM Regional Water Management Group meeting. The meeting included election of a new chair, Dana Munn of Shafter-Wasco Irrigation District, and business included IRWM plan implementation, making adjustments to the governance MOU, increasing membership, status of projects, and funding opportunities.

On 13 January, Lynn Coster attended the Shasta Tehama Water Education Coalition's meeting in Red Bluff. Discussions included the Reduced Monitoring / Management Practices Verification Option, expectations and concerns regarding the Sediment Erosion Control Plan and Nitrogen Management Plan, and reporting requirements for Farm Evaluation Surveys.

On 13 January, Anthony Medrano participated in the monthly meeting of the IVAN Kings County meeting to review and provide updates regarding environmental complaints lodged by various disadvantaged community groups and members.

On 14 January, Bethany Soto participated in the Southern Sierra IRWM Regional Water Management Group meeting. The meeting focused on updating the group's list of projects, long range planning for future projects, and potential funding sources.

PERSONNEL AND ADMINISTRATION

**STAFFING UPDATE
November 1, 2015 through January 20, 2016**

Promotion:

Camille Hang – Associate Government Program Analyst
Keri Yee – Associate Government Program Analyst
Janis Cooke – Senior Environmental Scientist

Leave of Absence:

Ann Palmer – Water Resource Control Engineer
Sarah Rutherford – Environmental Scientist
Stacy Gotham - Water Resource Control Engineer

Retirement:

Michael Hoffman - AGPA

Authorized Positions: 243.7

Vacant Positions: 10

Separations	New Hires
Jelena Hartman – Sr. Environmental Scientist Melissa Dekar – Environmental Scientist	Kenny Croyle – Water Resource Control Engineer Stewart Black – Supervising Water Resource Control Engineer Ralph Saucedo – AGPA Ralph Boyajian – Water Resource Control Engineer Matthew Harlow – Water Resource Control Engineer Sue Yang – Water Resource Control Engineer Julian Grijalva – Water Resource Control Engineer Jeff Hannel – Engineering Geologist Lewis Lummen – Engineering Geologist Mustapha Guerbaz - Water Resource Control Engineer

Temporary Help Positions

Separations	New Hires
Nicholas Vadpey – Scientific Aid Deirdre Asay – Scientific Aid Andrew D'Olier – Scientific Aid Singleton Thibodeaux-Yost - Scientific Aid	Paige FitzGibbon – Scientific Aid Evan Kersey – Scientific Aid Scott Yuen – Scientific Aid Andre Sanchez – Scientific Aid Abraham Aghazeynali – Scientific Aid Yuvraj Singh – Scientific Aid Emily Harding - Scientific Aid

TRAINING UPDATE
November 1, 2015 through January 20, 2016

Class Title	Number of Attendees
2015 Conference Nutrient Management: Challenges & Opportunities	1
37th Annual Forest Vegetation Management Conference	1
401 Regulatory Program Workshop	1
Hazwopper Training	49
Bargaining Unit 9 Contract Update for Supervisors and Managers	2
Basic Safety Training	3
CalHR Supervisor's Academy (10 Day Cohort)	1
Contracts Training	14
Defensive Drivers Training	13
Effective Communication for Managing Workplace Conflict	45
Envirocert CPESC Review Course and Exam	1
Excel 2010 - Part 2	1
Fall 2015 Geological Symposium	2
First Aid Wilderness Injuries: Be Prepared	1
Health and Safety Managers Training	13
Highly Effective Professional Writing	10
Hours of Work	44
Leadership Development: Building on Your Natural Strengths	1
Management of Pesticides for Protection of Surface & Groundwater	8
Managing Priorities, Managing Time	8
Mandatory Supervisor Safety Training	2
Meeting Facilitation Skills for Waterboard Staff	10
Naturally Occurring Compounds of Regulatory Concern Symposium	1
Sacramento Regional LID Conference	2
Security Awareness Training 2015	22
Sediment & Erosion Control for Roadway Projects Master Classes	1
Sexual Harassment Prevention Training	1
Soil Sampling and Decision Making Using Incremental Sampling	1
UC Soil and Water Short Course	1

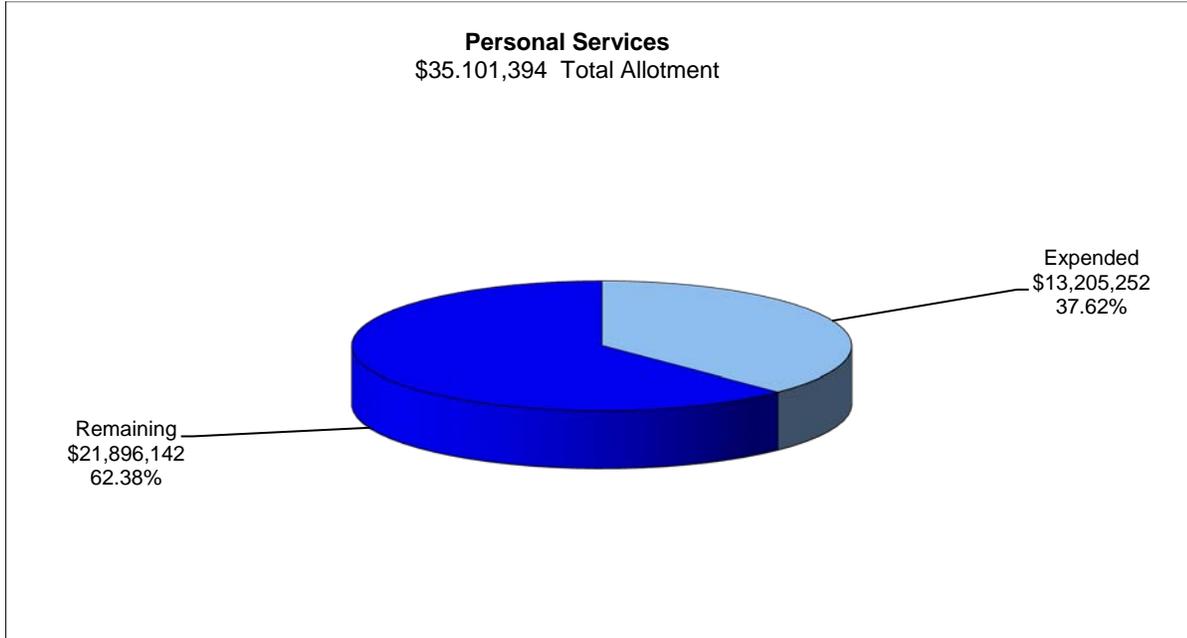
FISCAL UPDATE

Through November 30, 2015

(Approximately 41% should have been expended to date)

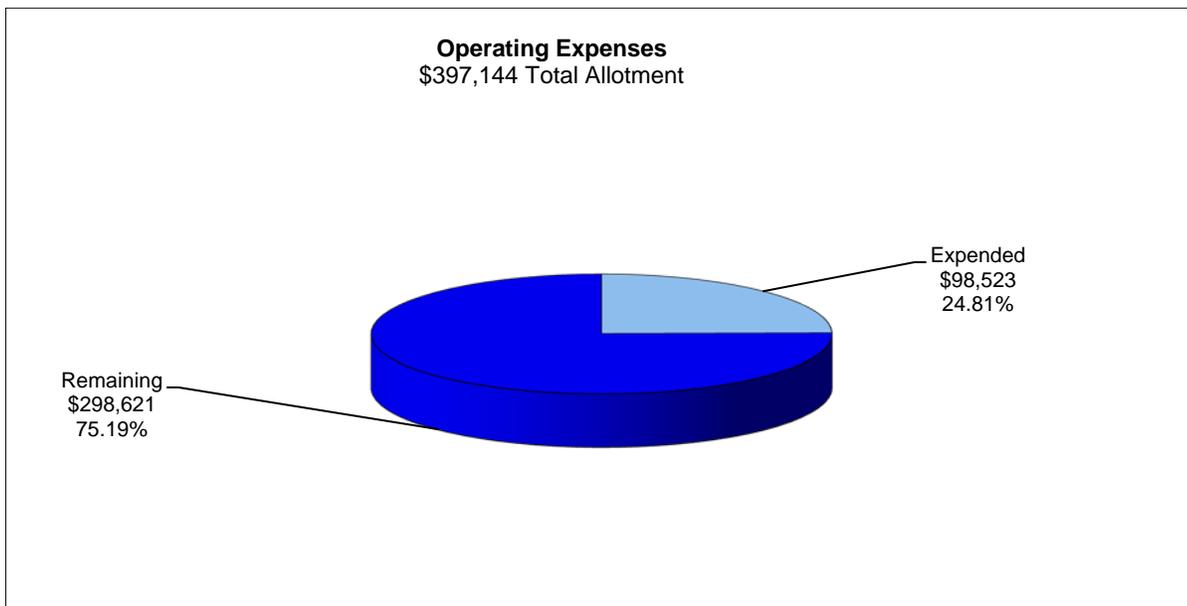
Personal Services:

Our Personal Services budget for the 2015-16 Fiscal Year is \$35,101,394.



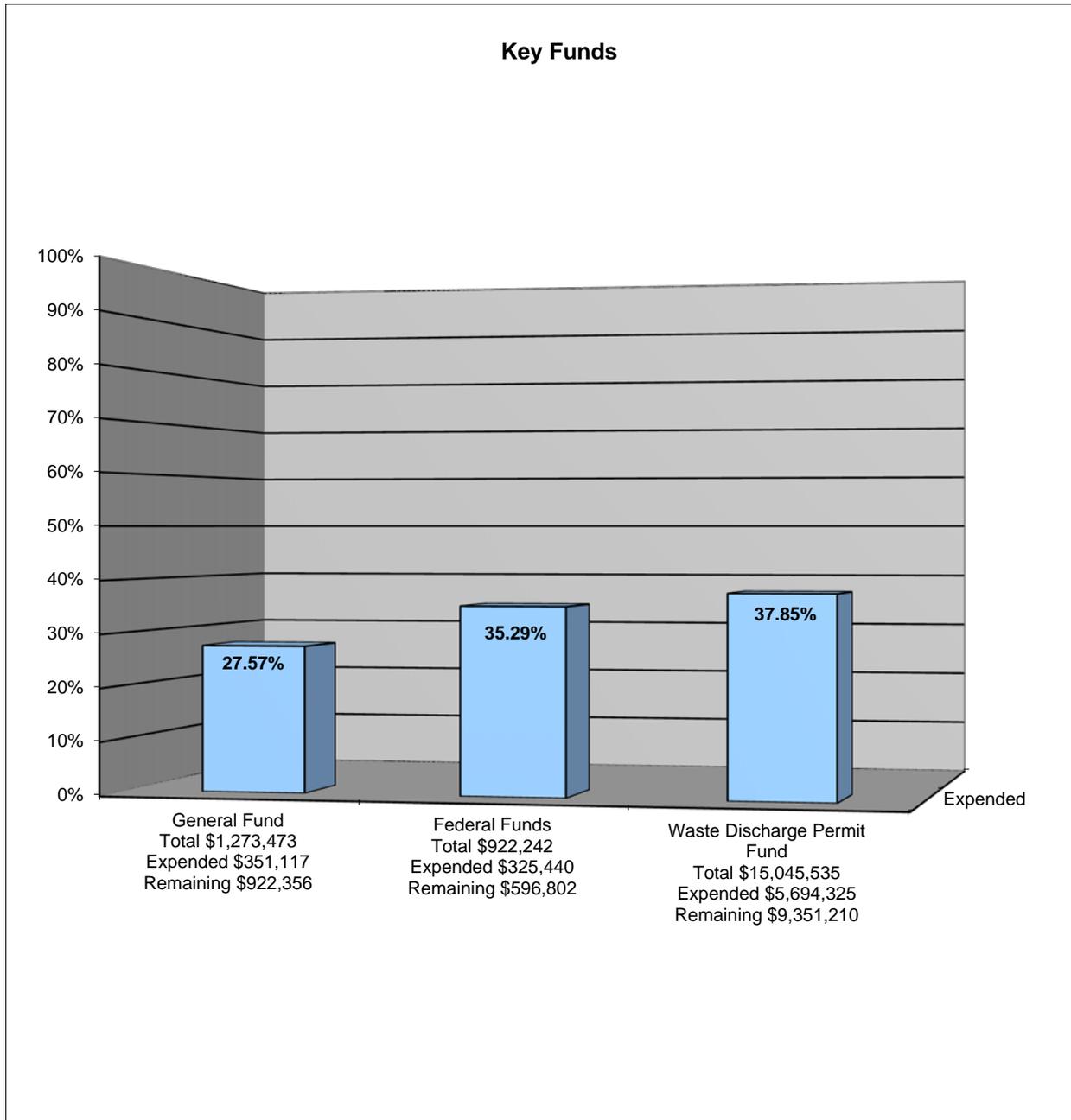
Operating Expenses:

Our Operating Expense budget for the 2015-16 Fiscal Year is \$397,144.



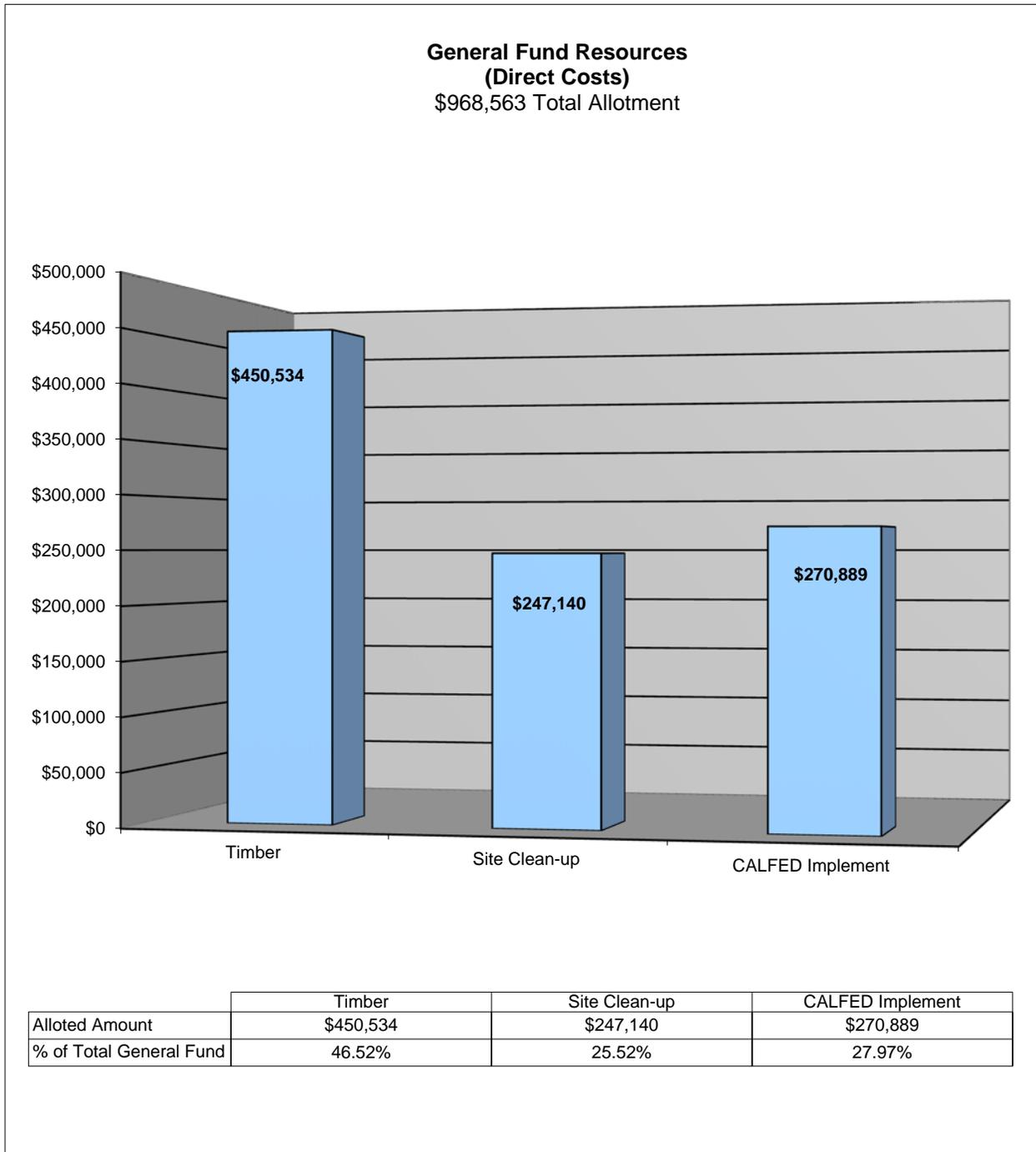
Key Funds

Key funds are provided through General, Federal (Lawrence Livermore, Leaking Underground Storage Tanks, Non-Point Source, and NPDES), and Waste Discharge Permit fund sources.



General Fund Resources:

Our General Fund budget for the 2015-16 Fiscal Year is \$968,563. The Legislature and the Governor have directed our General Fund monies to specific programs. We have very little discretion in shifting these resources from one program to another.



CONTRACTS

Contract #	Contractor Name	Description	End Date	Amount	
Administrative Support Services					
15-072-150	California Reporting	Court Reporter Services	6/30/2018	\$36,000	
15-150-0758	California Reporting	Court Reporter (off-site)	Court Reporter Services	\$4,800	Court Reporter
Operational Support Services					
15-047-150	San Jose State Foundation	Support for Statewide Mercury Control Program	3/31/2018	\$200,000	
15-011-150	Moore Twining	Lab Analysis – Fresno	2/28/2018	\$130,000	
15-011-150	Basic Laboratory	Lab Analysis - Redding	2/28/2018	\$110,000	
13-051-150 Am. 1	Excel Chem Environmental Laboratories	Lab Analysis - Rancho Cordova	06/30/2016	\$80,000	
15-023-150	Air Shasta Rotor & Wing	Helicopter Services	9/30/2017	\$40,000	
Water Quality Study/Planning					
09-076-150	San Joaquin Valley Drainage Authority	CV-Salts - Phase 1	5/14/2016	\$1,200,000	
11-123-555	San Joaquin Valley Drainage Authority	CV-Salts - Phase 2	12/1/2016	\$3,800,000	
13-080-150	Aquatic Science Center	Delta Regional Monitoring	3/30/2016	\$250,000	
13-093-150	Delta Conservancy	Delta Mercury Exposure Program	3/1/2018	\$370,000	
13-103-150	California Department of Fish & Wildlife	Stream Health Assessment	9/30/2016	\$42,537	
13-105-150	The Regents of UC Davis	Butte Creek Sediment	9/30/2016	\$44,901	
13-117-150	California Department of Food & Agriculture	Dairy Digester Study with UC Davis	6/30/2016	\$200,000	
14-025-150	Delta Conservancy	Delta Mercury Exposure Reduction Program	6/30/2017	\$370,000	
14-030-150	USGS	Urban and Agriculture Pesticide Monitoring	6/30/2017	\$175,000	
14-100-150	The Regents of UC Davis	Large Scale Analysis of Annual Report Data	3/31/2017	\$150,000	

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.

APRIL 2016 BOARD MEETING

WASTE DISCHARGE REQUIREMENTS (WDR) PROGRAM – DISPOSAL TO LAND

- Rio Alto Water District (New WDRs replacing NPDES Permit)
- Corcoran State Prison WWTF (Revised WDRs)
- Ardagh Glass (Revised WDRs)
- Sierra Pacific Industries – Chinese Camp (Revised WDRs)
- Harris Ranch Selma Beef Processing (Revised WDRs)
- Goldstone Lands Co., Bear Creek Winery (Revised WDRs)
- City of Lathrop Consolidated Treatment Facility (Revised WDRs)
- Delta Packing (new WDRs)

NPDES

- Sacramento Regional County Sanitation District Permit Renewal
- Live Oak Permit Renewal
- City of Chico WPCP Permit Renewal
- City of Auburn WWTP Permit Renewal
- Limited Threat General Order Renewal
- SPI Shasta Lake Division Permit Renewal
- Sterling Caviar Permit Renewal
- Oroville WWTP Permit Renewal

LAND DISPOSAL PROGRAM – CHAPTER 15/TITLE 27

- Altamont Class II/III Landfills and Class II Surface Impoundment (Revised WDRs)
- Recology Hay Road Class II Landfill, Land Treatment Unit (Revised WDRs)
- Lost Hills Landfill, Kern County (Revised WDRs)

CONFINED ANIMAL PROGRAM

- Information item - Proposed General Order for Poultry Facilities (new WDRS)

JUNE 2016 BOARD MEETING

WASTE DISCHARGE REQUIREMENTS (WDR) PROGRAM – DISPOSAL TO LAND

- Shasta Renewable Energy (New WDRs)
- City of Mendota (Revised WDRs)
- Monarch Nut Company (Revised WDRs)
- Pleasant Valley State Prison WWTF (Revised WDRs)
- City of Richgrove WWTF (Revised WDRs)
- Tesoro Viejo WWTF (New WDRs)
- City of Laton WWTF (Revised WDRs)

NPDES

- Bear Valley WWTP Permit Renewal
- Quincy CSD WWTP and Collection System Permit Renewal
- Santa Fe Aggregates Sand and Gravel Plant Permit Renewal
- Drought (End of Pipe) New General Order
- Colusa Permit Renewal
- City of Corning WWTP Permit Renewal

LAND DISPOSAL PROGRAM – CHAPTER 15/TITLE 27

- Royal Mountain King Mine, Calaveras County (Revised WDRs)
- Yolo County Central Landfill, Yolo County (Revised WDRs)
- Anderson Class III Landfill (Revised WDRs)
- Clovis Landfill, Fresno County (Revised WDRs)

CONFINED ANIMAL PROGRAM

- Consideration for Adoption – General Order for Bovine Feedlots (new WDRs)

PENDING ACTIONS, BUT NOT YET SCHEDULED FOR A BOARD MEETING

WASTE DISCHARGE REQUIREMENTS (WDR) PROGRAM - DISPOSAL TO LAND

- Bully Hill Rising Star Mines (New WDRs)
- Zacky & Sons Poultry (New WDRs or MRP)
- Calaveras County Water District, Copper Cove WWTF (Revised WDRs)
- Darling Ingredients (Revised WDRs)
- Olam Tomatos (New WDRs)
- McMannis Family Vineyards (Revised WDRs)
- Bogle Vineyards (Revised WDRs)
- City of Modesto (Revised WDRs)
- Mokelumne Rim Vineyards (Revised WDRs)
- City of Newman (Revised WDRs)
- City of Manteca WWTF
- City of Tuolumne WWTF (Revised WDRs)
- Feather River Hospital (Revised WDRs)
- Golden Feather School District, Spring Valley School (Revised WDRs)
- Jelly's Ferry Septage (Revised WDRs)
- Los Gatos Tomato (Revised WDRs)
- McCloud WWTF (Revised WDRs)
- North State Rendering Tallow Plant (Revised WDRs)
- Oroville Aggregate and Hot Mix Facility (New WDRs)
- Packers Bay Marina (Revised WDRs)
- Spanish Mine, Nevada County (New WDRs)
- Strathmore WWTF (Revised WDRs)
- Sun Pacific/Califia Farms (Revised WDRs)
- Tasteful Selections (Revised WDRs)
- Langer Farms (Revised WDRs)
- Monarch Nut Company (Revised WDRs)
- Treehouse Almonds (Revised WDRs)
- ARO Pistachio (New WDRs)

NPDES PROGRAM – PERMITTING

- Placer County SMD No 1 Permit Rescission
- Spanish Mine Rescission
- River Highlands, Hammonton Gold Village Renewal
- Nevada City Renewal
- Linda County Renewal
- UC Davis CABA Renewal
- City of Atwater Renewal
- Paradise WTP Rescission
- Miners Ranch Rescission
- Cottonwood WWTP Renewal
- Lake California WWTP Rescission
- Clear Lake WWTP Renewal

- Alturas High School Geothermal Rescission
- Pactiv Molded Pulp Mill Renewal
- Grizzly Ranch WW Recycling Renewal

LAND DISPOSAL PROGRAM – CHAPTER 15/TITLE 27

- Anderson Class III Landfill (Revised WDRs)
- Calaveras Cement Mine, Calaveras County (Revised WDRs)
- Yolo County Landfill, Yolo County (Revised WDRs)

CONFINED ANIMAL PROGRAM

- Consideration for Adoption – General Order for Poultry Facilities (new WDRs)

STORM WATER PROGRAM - PERMITTING

- City of Modesto – Approval of Updated Storm Water Management Plan

SIGNIFICANT POLICIES, PLANS AND PERMITS TABLE

See next Page

Significant Policies, Plans and Permits Under Development or Pending Development

Key	Item	Status	Statewide or Regional Project	Org. Lead
A-14	Central Valley Diazinon and Chlorpyrifos Basin Plan Amendment	2016-01-20 Amendment addressing chlorpyrifos and diazinon in hundreds of valley floor rivers, streams and creeks adopted by Regional Board on 28 March 2014. Approved by the State Water Board on 16 June 2015. Requires OAL and USEPA approval before becoming effective (Staff contact, Danny McClure)	Regional	R5
A-16	Nonpoint Source (NPS) Implementation and Enforcement Policy Amendments	2015-12-03 The NPS Implementation and Enforcement Policy (NPS Policy) is being updated to preclude the use of prohibitions of waste discharge for addressing NPS discharges for those land uses (e.g., irrigated lands) already covered under other regulatory mechanisms (e.g., waivers of waste discharge requirements) for which discharger enrollment fees are being assessed. Staff anticipates releasing a draft of the NPS Policy amendments in late February 2016.	Statewide	SB
A-14	Implement Lower San Joaquin River Salt/Boron TMDL	2016-01-20 TMDL requires USBR and agricultural dischargers to operate under WDRs with monthly salt load allocations OR the development of MAA with USBR to mitigate salt loading to river and operation under a Central Valley Water Board approved real-time salinity management program (RTMP) for agricultural dischargers. At the 4 December 2014 Central Valley Water Board meeting, both an updated MAA with the USBR and a phased RTMP were approved through Resolutions R5-2014-0150 and R5-2014-0151, respectively. Salt load allocations have also been incorporated into appropriate Ag Coalition WDRs with option to participate in Board approved RTMP. USBR FY15/16 Annual Workplan to address salt loading accepted by EO on 24 September 2015, with a request for an Addendum by 31 October 2015. USBR submitted a letter to extend the deadline of the addendum to 30 November 2015. The addendum from USBR was received by the Central Valley Water Board prior to that deadline. (Staff contact, James Brownell)	Regional	R5
A-16	Toxicity Amendments to the Inland Surface Waters, Enclosed Bays, and Estuaries Plan	2016-01-05 Staff prepared draft toxicity amendments and a staff report. Staff released the draft documents for public review and received comments in summer 2012. Those comments are currently under review. Considering these comments and the Water Board's mandates, staff is preparing a revised draft staff report and environmental document. Once the draft documents are revised, staff will initiate additional stakeholder outreach and circulate the draft documents for public review. Staff expects to release the draft documents in early 2016.	Statewide	SB
A-14	Organochlorine Pesticides in the Sacramento River and San Joaquin River Basin Plan	2016-01-20 Regional Board completed CEQA Scoping meeting in July 2009. A draft summary report on OC pesticides was completed in December 2014. Final report will be completed in 2016.	Regional	R5

Key	Item	Status	Statewide or Regional Project	Org. Lead
A-15	General Order for Poultry Facilities	2016-01-20 General Order for poultry raising and egg laying facilities. Issue paper review completed. Drafting of GO has begun. Draft will be modified to incorporate provisions of the draft general order for bovine facilities once comments are received on the draft bovine order. Information item on draft poultry order is planned for April 2016.	Regional	R5
A-15	Central Valley Pyrethroids Basin Plan Amendment	2016-01-20 In development. Scoping meeting held in October 2012. Stakeholder meetings held in Sept-Nov 2014, May-December 2015; January 2016. Peer reviewd Summer 2015. A public review draft is scheduled to be released for public comment in early 2016. A Board workshop is scheduled for February 2016.	Regional	R5
A-15	Establish New Water Quality Objectives for Salinity and Boron in the Lower San Joaquin River - Amendment to the Sacramento River and San Joaquin River Basin Plan.	2016-01-20 Regional Board completed CEQA Scoping meeting in March 2009. Development of proposed water quality objectives being conducted the stakeholder driven, CV-SALTS Lower San Joaquin River sub-committee. The Amendment is tentatively scheduled for a workshop in June 2016 and consideration by the Regional Board in later 2016.	Regional	R5
A-15	Central Valley Diuron Basin Plan Amendment	2016-01-20 In development. Scoping meeting held in October 2012. Scheduled for peer review draft release in early 2016, Board Hearing in 2016. Reviewing current water quality information which indicates effectiveness of Irrigated Lands Regulatory Program Management Plans. (Staff contact, Danny McClure)	Regional	R5
A-15	Region-wide General Order for MS4s	2016-01-15 Permittee Working Group meetings ongoing, latest 11 January 2016. Several meetings with interested watershed group representatives in January and February 2015, and January 2016. Admin draft permit expected February 2016. (Staff contact, Bryan Smith)	Regional	R5
A	Revision of General Order for Existing Dairies	2016-01-20 Revision of Revised General Order R5-2013-0122 to include requirements for land application areas consistent with the Irrigated Lands Regulatory Program requirements. Will draft revisions following the issuance of the General Order for Bovine Feedlots.	Regional	R5
*A-16	Wetland Area Protection and Dredge and Fill Permitting Policy – Phase I	2016-01-19 State Water Board staff is reviewing the draft staff report. This includes the draft policy language and the accompanying draft Substitute Environmental Document (SED). Staff expects to release the proposed policy and SED for public comments May 2016.	Statewide	SB

Key	Item	Status	Statewide or Regional Project	Org. Lead
A-16	Phase I update of the Bay-Delta Plan:- San Joaquin River flows and southern Delta salinity.	2015-12-02 The Draft Substitute Environmental Document (SED) was released on December 31, 2012 for public comment. Hearing to receive comments on the SED was held on March 20-21, 2013, and comments were received by March 29, 2013. Revised Draft SED to be recirculated for public comment early 2016. Draft plan amendment to be brought to the Board for consideration by summer of 2016.	Statewide	SB
A-16	Statewide General NPDES Permit for Vector Control Applications	2016-01-20 The Statewide General NPDES Permit for Vector Control Applications expire in February 2016. Staff is proposing reissuance of the permit by the State Water Board. Staff posted the draft permit on December 23, 2015 for a 30-day public comment period, and provided public notice that the State Water Board will consider for adoption on March 1, 2016.	Statewide	
A-16	Mercury TMDL and Water Quality Objectives (Reservoirs)	2016-01-13 Staff from Regional Water Boards 2, 5, and State Water Board are developing a TMDL and implementation plan to address fish mercury impairments in about 150 reservoirs around the state. Staff is preparing the scientific and technical analysis (source analysis, linkage, targets, allocations, and implementation plan considerations), and regulatory provisions for the objectives, implementation plan, and TMDL staff held focused stakeholder group meetings in 2014. In addition, staff met with a reservoir operators focus group four times to discuss and develop ideas and criteria for water chemistry and fisheries management pilot studies. Staff is preparing the staff report for submittal to peer review.	Statewide	R5
A-16	Bacteria Standards for Ocean and Inland Surface Waters	2016-01-20 The State Water Board is developing proposed statewide bacteria water quality objectives and a proposed control program to protect human health in waters designated for water contact recreation (REC-1) from the effects of pathogens. The bacteria objectives are proposed to be adopted as amendments to the Statewide Inland Surface Waters, Enclosed Bays and Estuaries Plan and the California Ocean Plan. State Water Board staff compiled comments from focused stakeholder meetings held in 2014 and 2015. See http://www.swrcb.ca.gov/bacterialobjectives/docs/notice_bacteria_objectives.pdf for more information about the scoping meetings. The comment period for the scoping document ended on February 20, 2015, and 23 comment letters were received. Staff is preparing the Staff Report. Staff plans to release draft documents for public review and comment in April of 2016. State Board Web site: http://www.waterboards.ca.gov/bacterialobjectives/	Statewide	SB
A-17	Nutrient Numeric Endpoints Tools	2016-01-05 Staff is working with technical advisory groups to produce an implementation strategy document. U.S. EPA contracted to have the nutrient numeric endpoint protocol updated with based on lessons learned through case studies. In 2014, staff organized a Stakeholder Advisory Group, a Science Panel, and expanded a Regulatory Advisory Group for the nutrients in wadeable streams project. The Science Panel met at a Southern California Coastal Watershed Research Project meeting in June 2015 to review the Science Plan. The Science Panel was generally supportive of the Science Plan. A written report from the Science Panel was received in July 2015. Webinars were held for stakeholders on August 21 and 26, 2015 to discuss the results of modeling approaches. Staff plans to continue outreach efforts by having Focus Group meetings from February 2016 to July 2016. An outreach document will be available for public review in February 2016. Sothern California Coastal Water Research Project (SCCWRP) staff are still researching and developing the biological condition gradient model that will be used in the assessment of the effects of nutrients on stream biological conditions. Scientific Peer Review (Public Release) is anticipated for late 2017.	Statewide	SB

Key	Item	Status	Statewide or Regional Project	Org. Lead
*A-17	Antidegradation Policy	2016-01-04 The State Water Board is considering preparation of guidance or an additional policy to address application of the Antidegradation Policy to groundwater. Staff distributed a scoping document in June 2015 to participants of focused stakeholder group meetings, and held these meetings in June and July 2015 to receive comments on the scoping document. Staff is considering the comments received. Staff is also in the process of executing a contract with UC Davis to develop tools to aid in implementation of the antidegradation policy for groundwater and the WDR permitting process, and compiling a toolbox for best practicable treatment or control. The project web page contains summaries of purpose, background, and process; an estimated time line; and links to associated documents, including comments received. Web page link: http://www.waterboards.ca.gov/plans_policies/antidegradation.shtml	Statewide	SB
A-17	Biological Integrity Plan Development	2016-01-15 State Water Board staff is developing a proposed Implementation Plan for Assessing Biological Integrity of perennial freshwater streams. The goal is to set biological expectations to ensure protection and restoration of aquatic life beneficial uses in these waterbodies and to incorporate additional bioassessment monitoring and assessment into the Water Boards regulatory programs. Staff is revising the existing draft Biological Integrity Plan based on the feedback from stakeholders and advisory groups. A revised Draft Plan is scheduled to be released for stakeholder input by Spring 2016.	Statewide	SB
A-17	Blue Green Algae Action Levels	2016-01-05 State Water Board staff is working with a multi-agency workgroup consisting of the Water Boards, California Department of Public Health, Office of Environmental Health Hazard Assessment, and United States Environmental Protection Agency, to update the Draft Voluntary Guidance Document for California CyanoHABs (CCHABs), related to monitoring and posting public notices. Staff is also coordinating with the Monitoring Council to continue to work issues related to CCHABs	Statewide	SB
A-17	Sediment Quality Objectives (SQOs) for Enclosed Bays and Estuaries: Phase II	2016-01-14 Water Board staff is developing a methodology to implement and assess sediment quality in relation to the narrative human health SQO that protects human consumers from contaminants that bioaccumulate from the sediment into fish tissue. Staff is using the Los Angeles Long Beach Harbors TMDL as a case study to address many of the issues associated with the human health implementation framework as well as addressing other questions related to the application of SQOs as TMDL targets. Several groups and committees, including the SQO Advisory Committee, the Agency Coordination Committee and the Harbor Technical Work Group (HTWG), are collaborating on studies that will assist in the development, testing, and implementation of Phase II SQOs. Staff presented an information item to the State Board on October 7, 2015. The SQO's are under development. Staff anticipates that the case study and test drive will be completed by late next year followed by release of draft documents in March 2017.	Statewide	SB
*A	Onsite Wastewater Treatment Systems Policy Implementation	2016-01-05 The Local Agency Management Plan (LAMP) Guidance document was transmitted to the Regional Water Boards on June 4, 2015. All of the Regional Water Boards have amended their Basin Plans to implement the OWTS Policy. The State Water Board approved the amendments for Regions 1 through 8. State and Regional Water Board staff have been meeting with local agencies to facilitate LAMP development.	Statewide	SB

Key	Item	Status	Statewide or Regional Project	Org. Lead
A	Water Effects Ratios	2016-01-13 Staff is preparing a proposed Water Effects Ratio Policy. This project will provide guidance on developing water effect ratios.	Statewide	SB
A	Development of the Delta Regional Monitoring Program- RMP	2015-10-16 The Delta RMP has a monitoring design for toxicity/pesticides, pathogens, and nutrients and a workplan for FY15/16. Pathogen sampling began in April and pesticide and toxicity began in July 2015. Permits have been amended to allow participation in the RMP in lieu of portions of required surface water monitoring. (Staff contact, Patrick Morris)	Regional	R5
A	New winery waste guidelines	2016-01-20 Industry recommendations have been reviewed by CV-SALTS Management Practices Subcommittee. Currently the CV-SALTS Management Practices Subcommittee is on hold while salinity management alternatives are being evaluated.	Regional	R5
A	Groundwater Quality Protection Strategy	2016-01-19 At the Central Valley Water Board's September 2010 meeting Resolution #2010-0095 was adopted which approved the Groundwater Quality Protection Strategy for the Central Valley Region, A Roadmap. Progress reports on the Workplans for the highest priority actions were provided in June 2012 and December 2013. At the December 2013 meeting a workplan for June 2013 - June 2015 was approved that included the unfinished high and medium priority actions. Staff is currently working on an update to the Roadmap to be presented in an Information Item at the February 2016 Central Valley Water Board meeting. (Staff contact person, Pam Buford)	Regional	R5
C	Implement Mercury TMDL/Control Program in Cache Creek Watershed - Sacramento River and San Joaquin River Basin Plan	2016-01-13 Mining waste at six mercury mines in the upper Cache Creek watershed was tentatively scheduled to be consolidated and covered in 2014 to prevent continued erosion of mercury sediment into Sulphur Creek, a tributary to Cache Creek. Permitting delays associated with review and approval of the project by the US Army Corps of Engineers has delayed the mine cleanups.	Regional	R5
A	Cadmium Objective and Hardness Implementation Policy	2016-01-05 In response to a Jeopardy Biological Opinion by the National Marine Fisheries Service on U.S. EPA's 304(a) recommended acute aquatic life cadmium criterion in the state of Oregon, U.S. EPA's Office of Water is updating its national cadmium criteria. Currently, staff is awaiting U.S. EPA direction to states. This action will be a priority for U.S. EPA once the revised criteria are issued.	Statewide	SB
A-16	Phase II Small Municipal Separate Storm Sewer System (MS4) Permit Amendment	2016-01-20 State Water Board staff is working with Regional Water Board staff to develop the proposed amendment to Attachment G (titled Region-specific Total Maximum Daily Loads Implementation Requirements) of the existing Phase II Small MS4 Permit to include TMDL implementation requirements. State Water Board staff is preparing a draft permit amendment per Regional Water Board, stakeholder, and OCC feedback. The draft permit amendment will be available for public comment early April 2016.	Statewide	SB

Key	Item	Status	Statewide or Regional Project	Org. Lead
A	Suction Dredge General Permit	2016-01-05 Beginning in 2007, State Water Board staff considered development of a statewide general order to protect water quality from impacts related to suction dredge mining. This effort is suspended during the pendency of the suction dredge moratorium imposed by the Department of Fish and Wildlife. Pursuant to the moratorium, suction dredging, including the method known as booming, continues to be prohibited within 100 yards of any California river, stream or lake (Fish & G. Code, section 5653 subd. (d)). Senate Bill 637 updated the Water Code and Fish and Game Code to allow issuance of permits for suction dredge mining if certain conditions are certified by the Department of Fish and Wildlife and if permits are issued by the Department of Fish and Wildlife, but only once a permit is issued by the State Water Board. Accordingly, the State Water Board may resume the effort to develop a statewide general permit or other regulatory framework. Senate Bill 637 first requires Water Boards staff to conduct stakeholder outreach in areas where Department of Fish and Wildlife suction dredge mining permits were held issued before the moratorium was imposed. Water Boards staff is consulting with the Department of Fish and Wildlife to determine next steps.	Statewide	SB
P	Modify the Beneficial Uses for Freshwater Aquatic Habitat and Remove Spawning for West Squaw Creek - Amendment to the Sacramento River and San Joaquin River Basin Plan	2016-01-20 Use Attainability Analysis was conducted to demonstrate the current beneficial uses assigned to West Squaw Creek, a stream heavily impacted by acid mine drainage, are not achievable. Specifically, the stream cannot support fish and other pH or metal sensitive aquatic species and spawning of selected fish species defined in the Basin Plan. A Staff Report including the proposed amendments and CEQA functional equivalent document was presented to the Regional Board on 9 July 2004. The Regional Board adopted Resolution R5-2004-0090 which included the UAA, Staff Report, Functional Equivalent Document and proposed amendments. BPA not approved by State Board. Staff gathering additional information to respond to State Board and USEPA comments. Expected completion date 2016.	Regional	R5
P	New Manual of Good Practice for Land Application of Food Processing/Rinse Water	2016-01-20 Industry recommendations have been reviewed by CV-SALTS Management Practices Subcommittee. Currently the CV-SALTS Management Practices Subcommittee is on hold while salinity management alternatives are being evaluated.	Regional	R5
		LEGEND		
		Orange = Targeted for completion in 2015 (A-15)		
		Light Green = Targeted for completion in 2016 (A-16)		
		Lavender = Targeted for completion in 2017 (A-17)		
		Gray = Suspended or No statewide effort at this time or Pending (P)		
		Note: * indicates Board Priority		

ATTACHMENT A - Sanitary Sewer Overflow (SSO) Spills - September through November 2015

Region	Collection System	WDID	Spill ID	Certification Status	Spill Type	Spill Location Name	County	Did Spill Reach Surface Waters? (Y/N)	Total Spill Volume (Gallons)	Spill Volume that Reached Surface Waters (Gallons)	Start Date	Spill Cause
5S	Sacramento Area Sewer District CS	5SSO10912	818885	Certified	Category 1	147046	Sacramento	Yes	188,125	188,125	10/17/2015	Operator Error
5S	Penn Valley CS	5SSO11022	817920	Certified	Category 2	10713 Spenceville Rd, Penn Valley CA 95946	Nevada	No	16,336	0	9/6/2015	Pipe Structural Problem/Failure
5S	Martell CS	5SSO11460	819678	Certified	Category 1	Lift Station 2	Amador	Yes	15,000	15,000	11/26/2015	Pump Station Failure-Power
5S	Sacramento Area Sewer District CS	5SSO10912	819500	Certified	Category 1	149280	Sacramento	Yes	6,190	6,190	11/13/2015	Pipe Structural Problem/Failure
5R	Red Bluff CS	5SSO10845	818560	Certified	Category 2	1495 El Cerrito	Tehama	No	5,850	0	10/4/2015	Grease Deposition (FOG)
5F	Taft City CS	5SSO10940	817980	Certified	Category 2	Airport X E. Woodrow	Kern	No	5,000	0	9/10/2015	Other (specify below)
5S	Ironhouse Sanitary District CS	5SSO10970	819291	Certified	Category 2	4336 Windsweep Rd	Contra Costa	No	4,040	0	10/29/2015	Damage by Others Not Related to CS Construction/Maintenance (Specify Below)
5R	City of Chico CS	5SSO10859	819307	Certified	Category 1	Cohasset Road north of Thorntree	Butte	Yes	4,000	5	11/2/2015	Pump Station Failure-Mechanical
5R	Red Bluff CS	5SSO10845	818615	Certified	Category 2	1237 Aloha Ct	Tehama	No	3,500	0	10/7/2015	Other (specify below)
5S	City Of Folsom CS	5SSO10893	819304	Certified	Category 1	140 Canyon Rim Dr	Sacramento	Yes	3,000	300	10/31/2015	Grease Deposition (FOG)
5S	SMD No. 2 CS	5SSO11362	817928	Certified	Category 1	7570 Red Bud Rd, Granite Bay, Map Page D16-41	Placer	Yes	2,500	2,500	9/7/2015	Root Intrusion
5F	Del Rey CSD CS	5SSO11282	818325	Certified	Category 2	Del Rey, CA	Fresno	No	2,000	0	9/19/2015	Operator Error
5S	City Of Brentwood CS	5SSO10891	819075	Certified	Category 2	600 Ralston Ct.	Contra Costa	No	1,400	0	10/26/2015	Grease Deposition (FOG)
5S	Modesto CS	5SSO11001	819900	Certified	Category 2	1621 Pelton Ave Modesto Ca 95351	Stanislaus	No	1,256	0	11/23/2015	Grease Deposition (FOG)
5S	City Of Antioch CS	5SSO10890	818280	Certified	Category 2	LoneTree and Hwy 4 offramp antioch ca.	Contra Costa	No	1,224	0	9/19/2015	Damage by Others Not Related to CS Construction/Maintenance (Specify Below)
5S	County Service Area 31 CS	5SSO11485	818022	Certified	Category 2	West side of Thonton Road in front of 13590 Thonton Road	San Joaquin	No	1,200	0	9/14/2015	Damage by Others Not Related to CS Construction/Maintenance (Specify Below)
5F	MD-22A Oakhurst CS	5SSO11311	818356	Certified	Category 2	40131 Hwy49	Madera	No	1,000	0	9/26/2015	Grease Deposition (FOG)
5F	Clover Creek CS	5SSO11675	818930	Certified	Category 1	Clover Creek Lift Station #3 Oct 2015	Tulare	Yes	1,000	1,000	10/22/2015	Other (specify below)
5R	Mt Shasta CS	5SSO10835	818815	Certified	Category 1	McCloud and Washington	Siskiyou	Yes	950	750	10/14/2015	Root Intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	819379	Certified	Category 1	148889	Sacramento	Yes	905	905	11/8/2015	Root Intrusion
5S	Oakdale CS	5SSO11017	820335	Certified	Category 3	City of Oakdale WWTP	Stanislaus	No	800	0	11/20/2015	Damage by Others Not Related to CS Construction/Maintenance (Specify Below)
5S	Folsom State Prison CS	5SSO11192	818523	Certified	Category 3	Main Yard Shower Area	Sacramento	No	600	0	10/1/2015	CS Maintenance Caused Spill/Damage
5S	Sacramento Area Sewer District CS	5SSO10912	820573	Certified	Category 3	149936	Sacramento	No	575	0	11/23/2015	Root intrusion
5F	Tehachapi, City Of CS	5SSO10764	818736	Certified	Category 3	420 N. Mill St.	Kern	No	500	0	9/18/2015	Grease Deposition (FOG)
5F	City of Fresno CS	5SSO11202	819566	Certified	Category 3	MH 2053-06	Fresno	No	412	0	10/30/2015	Root Intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	820481	Certified	Category 3	148385	Sacramento	No	390	0	11/4/2015	Debris-General
5S	City of Stockton MUD CS	5SSO11433	818787	Certified	Category 3	6803 Alexandria Pl	San Joaquin	No	362	0	10/12/2015	Air Relief Valve (ARV)/Blow-Off Valve (BOV) Failure
5S	Murphys CS	5SSO11007	819701	Certified	Category 3	Man hole # 200	Calaveras	No	360	0	11/26/2015	Root Intrusion
5R	City of Orland CS	5SSO11421	817987	Certified	Category 3	Esquivel Property	Glenn	No	350	0	9/4/2015	Damage by Others Not Related to CS Construction/Maintenance (Specify Below)
5S	Davis CS	5SSO10921	818341	Certified	Category 3	1312 Eureka Ave	Yolo	No	348	0	9/24/2015	Debris-General
5S	Sacramento Area Sewer District CS	5SSO10912	818731	Certified	Category 1	146547	Sacramento	Yes	336	1	10/9/2015	Root Intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	819147	Certified	Category 3	144634	Sacramento	No	300	0	9/2/2015	Root intrusion
5R	City of Orland CS	5SSO11421	819482	Certified	Category 3	South Street	Glenn	No	300	0	11/15/2015	Grease Deposition (FOG)
5S	South Placer Mud CS	5SSO11054	820326	Certified	Category 3	3468 Los Flores Rd, Loomis, CA	Placer	No	300	0	11/29/2015	Root Intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	820595	Certified	Category 3	150244	Sacramento	No	255	0	11/26/2015	Debris-General
5S	Sutter Creek CS	5SSO11061	818841	Certified	Category 3	120 Raylan Drive - Manhole 222	Amador	No	250	0	10/18/2015	Debris from Lateral
5F	Wasco State Prison CS	5SSO10775	820075	Certified	Category 3	WASCO STATE PRISON FACILITY H-2	Kern	No	250	0	11/10/2015	Debris-General
5S	Manteca CS	5SSO10993	819971	Certified	Category 3	568 Mulberry Cr.	San Joaquin	No	223	0	11/12/2015	Root Intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	820512	Certified	Category 3	149139	Sacramento	No	207	0	11/12/2015	Debris-General
5S	Sacramento Area Sewer District CS	5SSO10912	819228	Certified	Category 3	145940	Sacramento	No	201	0	9/24/2015	Root intrusion
5F	City of Fresno CS	5SSO11202	819588	Certified	Category 3	MH 2953-36	Fresno	No	201	0	11/16/2015	Grease Deposition (FOG)
5S	Olivehurst CS	5SSO11019	818398	Certified	Category 3	4609 Arboga Rd	Yuba	No	200	0	9/1/2015	Root Intrusion
5S	Napa Berryessa CS	5SSO11008	818171	Certified	Category 3	1013 Arroyo Grande	Napa	No	200	0	9/13/2015	Grease Deposition (FOG)
5S	Hangtown Creek CS	5SSO10965	818114	Certified	Category 3	1859 Warren In.	El Dorado	No	200	0	9/15/2015	Debris-General
5F	East Niles Community Services CS	5SSO10733	818508	Certified	Category 3	Weedpatch Hwy & Di Miller	Kern	No	200	0	9/28/2015	Inappropriate Discharge to CS
5S	Nw Regional Waste Disp Fac CS	5SSO11015	818853	Certified	Category 3	Ogden and Highway 20	Lake	No	200	0	10/19/2015	Debris-General
5F	Strathmore WWTF CS	5SSO11249	819932	Certified	Category 3	Road 232	Tulare	No	200	0	11/23/2015	Other (specify below)
5S	Manteca CS	5SSO10993	819509	Certified	Category 3	424 N. Fremont St	San Joaquin	No	186	0	10/6/2015	Root Intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	819783	Certified	Category 3	146930	Sacramento	No	182	0	10/16/2015	Debris-General
5S	Sacramento Area Sewer District CS	5SSO10912	817830	Certified	Category 1	143911	Sacramento	Yes	182	82	9/1/2015	Root Intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	820558	Certified	Category 3	149891	Sacramento	No	151	0	11/21/2015	Root intrusion
5S	Discovery Bay CS	5SSO10929	817895	Certified	Category 3	MH 4030 on Brook Haven Circle in the Lakes	Contra Costa	No	150	0	9/7/2015	Debris from Lateral
5F	Laton CSD CS	5SSO11306	821069	Certified	Category 3	Manhole near the corner of South Denise Avenue and Paloma Avenue	Fresno	No	150	0	10/15/2015	Grease Deposition (FOG)
5S	City of Stockton MUD CS	5SSO11433	818708	Certified	Category 3	37 S. Airport way	San Joaquin	No	149	0	10/10/2015	Root Intrusion
5S	Modesto CS	5SSO11001	820224	Certified	Category 3	237 Dorita	Stanislaus	No	136	0	11/27/2015	Grease Deposition (FOG)
5S	City Of Antioch CS	5SSO10890	819292	Certified	Category 3	2300 Cambridge	Contra Costa	No	134	0	11/3/2015	Root Intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	820593	Certified	Category 3	150232	Sacramento	No	123	0	11/27/2015	Debris-General
5S	Folsom State Prison CS	5SSO11192	819637	Certified	Category 3	Folsom State Prison Camp	Sacramento	No	120	0	11/24/2015	Other (specify below)
5S	Sacramento Area Sewer District CS	5SSO10912	820515	Certified	Category 3	149221	Sacramento	No	114	0	11/12/2015	Root intrusion

Region	Collection System	WDID	Spill ID	Certification Status	Spill Type	Spill Location Name	County	Did Spill Reach Surface Waters? (Y/N)	Total Spill Volume (Gallons)	Spill Volume that Reached Surface Waters (Gallons)	Start Date	Spill Cause
5S	Sacramento Area Sewer District CS	5SSO10912	818343	Certified	Category 1	145624	Sacramento	Yes	112	108	9/27/2015	Debris-General
5S	Sacramento Area Sewer District CS	5SSO10912	819855	Certified	Category 3	148073	Sacramento	No	107	0	10/30/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	820554	Certified	Category 3	149883	Sacramento	No	104	0	11/21/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	820610	Certified	Category 3	150294	Sacramento	No	103	0	11/29/2015	Root intrusion
5S	City of Stockton MUD CS	5SSO11433	818308	Certified	Category 3	332 N. Filbert St. Stockton Ca.	San Joaquin	No	102	0	9/23/2015	Debris-General
5F	Tuolumne Utilities District CS	5SSO10771	818141	Certified	Category 3	Mh at 229 W Jackson st	Tuolumne	No	100	0	9/13/2015	Debris-Rags
5S	Bear Valley Cies	5SSO10873	818551	Certified	Category 3	Silvertip Campground Road	Alpine	No	100	0	9/22/2015	Damage by Others Not Related to CS Construction/Maintenance (Specify Below)
5F	Reeder Tract WWF, Csa #398 CS	5SSO10756	818796	Certified	Category 3	1661 Chain Ave.	Kern	No	100	0	10/14/2015	Debris-Rags
5S	City Of Folsom CS	5SSO10893	819408	Certified	Category 3	Stonebrook Dr	Sacramento	No	100	0	11/1/2015	Debris-General
5F	Mariposa PUD CS	5SSO10744	819369	Certified	Category 3	5139 Charles Street Mariposa	Mariposa	No	100	0	11/9/2015	Root Intrusion
5F	Twain Harte CSD CS	5SSO10772	819453	Certified	Category 3	Joaquin Gulley	Tuolumne	No	100	0	11/13/2015	Root Intrusion
5S	City Of Antioch CS	5SSO10890	818168	Certified	Category 3	104 Hyde Place antioch ca	Contra Costa	No	96	0	9/10/2015	Root Intrusion
5S	City Of Antioch CS	5SSO10890	819250	Certified	Category 3	2933 Sunset Lane Antioch Ca.	Contra Costa	No	84	0	10/29/2015	Root Intrusion
5F	Wasco State Prison CS	5SSO10775	820076	Certified	Category 3	WASCO STATE PRISON FACILITY H-4	Kern	No	80	0	11/13/2015	Debris-General
5S	Sacramento Area Sewer District CS	5SSO10912	820493	Certified	Category 3	148864	Sacramento	No	79	0	11/7/2015	Root intrusion
5F	Farmersville WWTP CS	5SSO11227	817992	Certified	Category 3	Harold	Tulare	No	75	0	9/4/2015	Debris-Rags
5F	Wasco State Prison CS	5SSO10775	819305	Certified	Category 3	Wasco State Prison	Kern	No	75	0	10/12/2015	Debris-Rags
5S	City of Sacramento Combined CS	5SSO10901-C	818540	Certified	Category 3	240 SEAVEY CIR, SACRAMENTO, CA	Sacramento	No	67	0	10/1/2015	Grease Deposition (FOG)
5S	City of Woodland CS	5SSO10903	818956	Certified	Category 3	74 Elm St.	Yolo	No	62	0	10/15/2015	Root Intrusion
5S	Manteca CS	5SSO10993	819510	Certified	Category 3	447 Heartland Dr	San Joaquin	No	62	0	10/17/2015	Pipe Structural Problem/Failure
5R	Red Bluff CS	5SSO10845	819348	Certified	Category 3	200 Cabernet ct	Tehama	No	60	0	11/5/2015	Grease Deposition (FOG)
5S	Folsom State Prison CS	5SSO11192	819572	Certified	Category 3	Folsom State Prison Camp	Sacramento	No	60	0	11/20/2015	CS Maintenance Caused Spill/Damage
5S	Rio Vista Waste Trt Facility CS	5SSO11037	819652	Certified	Category 1	City of rio vista	Solano	Yes	60	30	11/20/2015	Construction Diversion Failure
5S	Sacramento Area Sewer District CS	5SSO10912	819131	Certified	Category 3	144355	Sacramento	No	58	0	9/4/2015	Root intrusion
5R	Redding City CS	5SSO10801	819351	Certified	Category 1	1730 and 1720 Yuba St.	Shasta	Yes	57	5	10/28/2015	Grease Deposition (FOG)
5S	Sacramento Area Sewer District CS	5SSO10912	819152	Certified	Category 3	144729	Sacramento	No	55	0	9/13/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	819203	Certified	Category 3	145625	Sacramento	No	53	0	9/27/2015	Debris-General
5S	Sacramento Area Sewer District CS	5SSO10912	819776	Certified	Category 3	146812	Sacramento	No	52	0	10/14/2015	Pipe Structural Problem/Failure
5S	Sacramento Area Sewer District CS	5SSO10912	819778	Certified	Category 3	146852	Sacramento	No	51	0	10/15/2015	Root intrusion
5S	Ceres CS	5SSO10721	818164	Certified	Category 3	M/H intersection on Mogan rd. at Hackett rd.	Stanislaus	No	50	0	9/20/2015	Pump Station Failure-Controls
5S	Davis CS	5SSO10921	818342	Certified	Category 3	1920 SYCAMORE LANE	Yolo	No	50	0	9/27/2015	Debris-Rags
5S	Linden Co Water Dist CS	5SSO10989	818717	Certified	Category 3	18997 Front ST.	San Joaquin	No	50	0	10/6/2015	Other (specify below)
5S	Uc Davis CS	5SSO11071	818652	Certified	Category 3	Wellman Hall	Yolo	No	50	0	10/8/2015	Debris-Rags
5S	Sacramento Area Sewer District CS	5SSO10912	819805	Certified	Category 3	147257	Sacramento	No	50	0	10/17/2015	Root intrusion
5F	Bear Valley Csd CS	5SSO10718	819047	Certified	Category 3	BVCSD	Kern	No	50	0	10/22/2015	Debris-General
5S	Folsom State Prison CS	5SSO11192	819398	Certified	Category 3	Minimum Camp	Sacramento	No	50	0	11/10/2015	Other (specify below)
5R	Delleker CS	5SSO10810	820172	Certified	Category 3	Manhole 30	Plumas	No	50	0	11/27/2015	Grease Deposition (FOG)
5S	City Of Lakeport CS	5SSO10896	819697	Certified	Category 3	1601 Mellor Drive	Lake	No	50	0	11/28/2015	Debris-General
5S	City Of Ione CS	5SSO10894	819881	Certified	Category 3	City Of Ione	Amador	No	50	0	11/30/2015	Debris-General
5S	City Of Auburn CS	5SSO10722	818402	Certified	Category 1	Vintage Oaks Lift Station SSO 2015	Placer	Yes	50	25	9/28/2015	Pipe Structural Problem/Failure
5S	City of Stockton MUD CS	5SSO11433	818709	Certified	Category 3	534 W Oak St	San Joaquin	No	47	0	10/6/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	820545	Certified	Category 3	149815	Sacramento	No	47	0	11/20/2015	Root intrusion
5S	City of Stockton MUD CS	5SSO11433	817969	Certified	Category 3	725 W. Poplar St.	San Joaquin	No	46	0	9/6/2015	Root intrusion
5S	City of Stockton MUD CS	5SSO11433	818999	Certified	Category 3	1010 Sutherland Dr.	San Joaquin	No	46	0	10/25/2015	Root intrusion
5S	City Of Antioch CS	5SSO10890	819248	Certified	Category 3	107 West 20th St. Antioch Ca.	Contra Costa	No	45	0	10/22/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	820485	Certified	Category 3	148469	Sacramento	No	45	0	11/6/2015	Root intrusion
5S	City of Stockton MUD CS	5SSO11433	818212	Certified	Category 3	1628 E. Anderson St.	San Joaquin	No	44	0	9/21/2015	Root Intrusion
5S	City of Stockton MUD CS	5SSO11433	818830	Certified	Category 3	624 Clinton Dr. Stockton CA.	San Joaquin	No	43	0	10/17/2015	Debris-General
5S	Sacramento Area Sewer District CS	5SSO10912	819165	Certified	Category 3	144972	Sacramento	No	42	0	9/11/2015	Air Relief (ARV)/Blow-Off (BOV) Valve Failure
5S	Sacramento Area Sewer District CS	5SSO10912	819793	Certified	Category 3	147066	Sacramento	No	42	0	10/18/2015	Root intrusion
5F	Tuolumne Utilities District CS	5SSO10771	819442	Certified	Category 3	MH in front of 56 Hope Ln	Tuolumne	No	42	0	11/11/2015	Grease Deposition (FOG)
5S	Jamestown SD CS	5SSO11303	819012	Certified	Category 3	MH 26.5	Tuolumne	No	40	0	10/27/2015	Debris-General
5F	Tehachapi Correctional Inst CS	5SSO10763	819464	Certified	Category 3	California Correctional Institution, Tehachapi	Kern	No	40	0	11/13/2015	Debris-General
5S	Sacramento Area Sewer District CS	5SSO10912	819785	Certified	Category 3	146980	Sacramento	No	39	0	10/16/2015	Root intrusion
5S	City of Sacramento Utilities CS	5SSO10901	819538	Certified	Category 3	3730 MODELL WAY, SACRAMENTO, CA.	Sacramento	No	36	0	11/17/2015	Grease Deposition (FOG)
5S	Sacramento Area Sewer District CS	5SSO10912	820594	Certified	Category 3	150243	Sacramento	No	36	0	11/27/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	820611	Certified	Category 3	150295	Sacramento	No	36	0	11/29/2015	Root intrusion
5S	City Of Auburn CS	5SSO10722	818518	Certified	Category 3	135 Orange ST SSO	Placer	No	35	0	9/19/2015	Root Intrusion
5S	City of Stockton MUD CS	5SSO11433	818707	Certified	Category 3	8320 Kinross Wy	San Joaquin	No	35	0	10/5/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	819827	Certified	Category 3	147594	Sacramento	No	34	0	10/25/2015	Root intrusion

Region	Collection System	WDID	Spill ID	Certification Status	Spill Type	Spill Location Name	County	Did Spill Reach Surface Waters? (Y/N)	Total Spill Volume (Gallons)	Spill Volume that Reached Surface Waters (Gallons)	Start Date	Spill Cause
5S	South Placer Mud CS	5SSO11054	820325	Certified	Category 3	430 Main St, Newcastle, CA	Placer	No	33	0	11/25/2015	Root Intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	819132	Certified	Category 3	144357	Sacramento	No	32	0	9/7/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	819709	Certified	Category 3	146004	Sacramento	No	32	0	10/2/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	820581	Certified	Category 3	150144	Sacramento	No	31	0	11/25/2015	Grease deposition (FOG)
5S	Sacramento Area Sewer District CS	5SSO10912	819111	Certified	Category 3	144146	Sacramento	No	30	0	9/4/2015	Root intrusion
5F	Wasco State Prison CS	5SSO10775	818571	Certified	Category 3	WASCO STATE PRISON-RECEPTION CENTER	Kern	No	30	0	9/11/2015	Debris-General
5S	Hangtown Creek CS	5SSO10965	818107	Certified	Category 3	2871 Acacia Way	El Dorado	No	30	0	9/13/2015	Debris-General
5F	City Of Bakersfield CS	5SSO10717	818878	Certified	Category 3	23rd St & E St	Kern	No	30	0	10/17/2015	Grease Deposition (FOG)
5F	City Of Bakersfield CS	5SSO10717	819515	Certified	Category 3	Commercial Way & Office Park Dr	Kern	No	30	0	11/11/2015	Pump Station Failure-Mechanical
5F	City Of Bakersfield CS	5SSO10717	819517	Certified	Category 3	11228 Cactus	Kern	No	30	0	11/12/2015	Grease Deposition (FOG)
5S	Sacramento Area Sewer District CS	5SSO10912	819746	Certified	Category 3	146412	Sacramento	No	29	0	10/7/2015	Root intrusion
5S	City of Stockton MUD CS	5SSO11433	818726	Certified	Category 3	8517 Sol Ct.	San Joaquin	No	29	0	10/12/2015	Root Intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	820476	Certified	Category 3	148253	Sacramento	No	29	0	11/3/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	820479	Certified	Category 3	148331	Sacramento	No	27	0	11/4/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	819755	Certified	Category 3	146552	Sacramento	No	26	0	10/11/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	819767	Certified	Category 3	146700	Sacramento	No	26	0	10/13/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	820528	Certified	Category 3	149388	Sacramento	No	26	0	11/16/2015	Root intrusion
5S	City Of Antioch CS	5SSO10890	820305	Certified	Category 3	101 W. 9th Street Antioch, CA	Contra Costa	No	26	0	11/22/2015	Pipe Structural Problem/Failure - Installation
5F	City of Fresno CS	5SSO11202	818082	Certified	Category 3	Clean-out @ 1225 E. Dakota	Fresno	No	25	0	9/3/2015	Root Intrusion
5F	City Of Bakersfield CS	5SSO10717	818242	Certified	Category 3	3900 Mei Yen Ln	Kern	No	25	0	9/8/2015	Grease Deposition (FOG)
5S	Sacramento Area Sewer District CS	5SSO10912	819174	Certified	Category 3	145103	Sacramento	No	25	0	9/19/2015	Root intrusion
5S	Angels Camp CS	5SSO10865	818751	Certified	Category 3	1690 Martina St. Angels Camp Ca. 95222	Calaveras	No	25	0	10/13/2015	Non-Dispersables
5S	Sacramento Area Sewer District CS	5SSO10912	819790	Certified	Category 3	147021	Sacramento	No	25	0	10/18/2015	Root intrusion
5S	City Of Antioch CS	5SSO10890	819249	Certified	Category 3	3220 Ashley Way Antioch Ca.	Contra Costa	No	25	0	10/24/2015	Root Intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	820486	Certified	Category 3	148473	Sacramento	No	25	0	11/6/2015	Root intrusion
5S	SMD No. 1 CS	5SSO11028	819556	Certified	Category 3	Rosen Court, SMD 1, AC6-39	Placer	No	25	0	11/7/2015	Root Intrusion
5S	City of Stockton MUD CS	5SSO11433	819501	Certified	Category 3	2625 Fleury Way	San Joaquin	No	25	0	11/16/2015	Debris-General
5S	City of Stockton MUD CS	5SSO11433	819593	Certified	Category 3	2146 S. Union St Stockton Ca	San Joaquin	No	25	0	11/20/2015	Grease Deposition (FOG)
5S	Sacramento Area Sewer District CS	5SSO10912	819125	Certified	Category 3	144269	Sacramento	No	23	0	9/8/2015	Debris-General
5S	Sacramento Area Sewer District CS	5SSO10912	819162	Certified	Category 3	144873	Sacramento	No	23	0	9/16/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	819217	Certified	Category 3	145803	Sacramento	No	23	0	9/29/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	819780	Certified	Category 3	146884	Sacramento	No	23	0	10/15/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	820482	Certified	Category 3	148413	Sacramento	No	23	0	11/4/2015	Root intrusion
5S	City Of Antioch CS	5SSO10890	819469	Certified	Category 3	513 Gary Ave	Contra Costa	No	23	0	11/12/2015	Root Intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	819133	Certified	Category 3	144361	Sacramento	No	22	0	9/8/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	820483	Certified	Category 3	148462	Sacramento	No	22	0	11/6/2015	Root intrusion
5S	City Of Antioch CS	5SSO10890	820115	Certified	Category 3	723 W 4th St Antioch Ca.	Contra Costa	No	22	0	11/21/2015	Root Intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	819120	Certified	Category 3	144239	Sacramento	No	21	0	9/6/2015	Grease deposition (FOG)
5S	Dry Creek CS	5SSO10935	818299	Certified	Category 3	1538 E. Colonial	Placer	No	21	0	9/7/2015	Root Intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	819156	Certified	Category 3	144742	Sacramento	No	21	0	9/14/2015	Root intrusion
5S	City of Sacramento Combined CS	5SSO10901-C	818728	Certified	Category 3	2100 P STREET, SACRAMENTO, CA	Sacramento	No	21	0	10/11/2015	Debris from Lateral
5S	City of Stockton MUD CS	5SSO11433	818724	Certified	Category 3	2411 W. Fremont St.	San Joaquin	No	21	0	10/12/2015	Debris-General
5S	Sacramento Area Sewer District CS	5SSO10912	820606	Certified	Category 3	150279	Sacramento	No	21	0	11/28/2015	Root intrusion
5S	City Of Antioch CS	5SSO10890	820308	Certified	Category 3	723 W. 4th Street Antioch Ca	Contra Costa	No	21	0	11/29/2015	Pipe Structural Problem/Failure
5S	Sacramento Area Sewer District CS	5SSO10912	819136	Certified	Category 3	144417	Sacramento	No	20	0	9/7/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	819145	Certified	Category 3	144576	Sacramento	No	20	0	9/10/2015	Debris-General
5F	Tuolumne Utilities District CS	5SSO10771	818140	Certified	Category 3	MH in backyard of 20389 Nashua	Tuolumne	No	20	0	9/14/2015	Debris-General
5S	Sacramento Area Sewer District CS	5SSO10912	819197	Certified	Category 3	145483	Sacramento	No	20	0	9/24/2015	Operator error
5S	Lockeford CS	5SSO10991	819413	Certified	Category 3	14628 Juniper Ave. Lockeford Ca 95237	San Joaquin	No	20	0	10/10/2015	Grease Deposition (FOG)
5S	Sacramento Area Sewer District CS	5SSO10912	820497	Certified	Category 3	148884	Sacramento	No	20	0	11/7/2015	Root intrusion
5S	Davis CS	5SSO10921	819477	Certified	Category 3	206 Second street	Yolo	No	20	0	11/13/2015	Root Intrusion
5F	Tehachapi Correctional Inst CS	5SSO10763	819459	Certified	Category 3	california Correctional Institution Tehachapi	Kern	No	20	0	11/13/2015	Root Intrusion
5S	Tuolumne CS	5SSO11068	819611	Certified	Category 3	Apple Colony Road	Tuolumne	No	20	0	11/17/2015	Root Intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	820532	Certified	Category 3	149487	Sacramento	No	20	0	11/17/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	820553	Certified	Category 3	149882	Sacramento	No	20	0	11/20/2015	Debris-General
5S	Sacramento Area Sewer District CS	5SSO10912	820565	Certified	Category 3	149905	Sacramento	No	20	0	11/22/2015	Root intrusion
5S	City Of Lakeport CS	5SSO10896	819337	Certified	Category 1	985 Page Drive	Lake	Yes	20	15	11/5/2015	Debris-General
5S	Sacramento Area Sewer District CS	5SSO10912	819792	Certified	Category 3	147038	Sacramento	No	19	0	10/19/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	820531	Certified	Category 3	149476	Sacramento	No	19	0	11/16/2015	Root intrusion
5S	City Of Antioch CS	5SSO10890	819245	Certified	Category 3	706 West 20th St. Antioch Ca.	Contra Costa	No	18	0	10/12/2015	Root intrusion

Region	Collection System	WDID	Spill ID	Certification Status	Spill Type	Spill Location Name	County	Did Spill Reach Surface Waters? (Y/N)	Total Spill Volume (Gallons)	Spill Volume that Reached Surface Waters (Gallons)	Start Date	Spill Cause
5S	Sacramento Area Sewer District CS	5SSO10912	819760	Certified	Category 3	146573	Sacramento	No	18	0	10/12/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	819139	Certified	Category 3	144514	Sacramento	No	17	0	9/10/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	819757	Certified	Category 3	146555	Sacramento	No	17	0	10/11/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	819858	Certified	Category 3	148077	Sacramento	No	17	0	10/31/2015	Vandalism
5S	Sacramento Area Sewer District CS	5SSO10912	820502	Certified	Category 3	148972	Sacramento	No	17	0	11/9/2015	Debris-General
5S	Sacramento Area Sewer District CS	5SSO10912	820571	Certified	Category 3	149924	Sacramento	No	17	0	11/22/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	820587	Certified	Category 3	150204	Sacramento	No	17	0	11/25/2015	Debris-General
5S	Sacramento Area Sewer District CS	5SSO10912	819127	Certified	Category 3	144290	Sacramento	No	16	0	9/8/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	819708	Certified	Category 3	145988	Sacramento	No	16	0	10/2/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	819739	Certified	Category 3	146323	Sacramento	No	16	0	10/7/2015	Damage by others not related to CS Const/Maint.
5S	Sacramento Area Sewer District CS	5SSO10912	819796	Certified	Category 3	147090	Sacramento	No	16	0	10/19/2015	Root intrusion
5S	City of Stockton MUD CS	5SSO11433	819363	Certified	Category 3	1504 Sycamore Ave.	San Joaquin	No	16	0	11/5/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	820567	Certified	Category 3	149908	Sacramento	No	16	0	11/22/2015	Debris-General
5F	City Of Bakersfield CS	5SSO10717	817849	Certified	Category 3	San Dimas St btwn 32nd St & 31st St	Kern	No	15	0	9/1/2015	Grease Deposition (FOG)
5S	Sacramento Area Sewer District CS	5SSO10912	819115	Certified	Category 3	144203	Sacramento	No	15	0	9/5/2015	Root intrusion
5S	Dry Creek CS	5SSO10935	818220	Certified	Category 3	217 Cedar	Placer	No	15	0	9/19/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	819176	Certified	Category 3	145108	Sacramento	No	15	0	9/20/2015	Root intrusion
5S	City of Stockton MUD CS	5SSO11433	818515	Certified	Category 3	8040 Don Ave Stockton Ca	San Joaquin	No	15	0	9/27/2015	Pipe Structural Problem/Failure
5F	City Of Bakersfield CS	5SSO10717	818567	Certified	Category 3	30th St & F St	Kern	No	15	0	10/1/2015	Grease Deposition (FOG)
5F	City Of Bakersfield CS	5SSO10717	818640	Certified	Category 3	2400 Blk Olive St	Kern	No	15	0	10/7/2015	Other (specify below)
5S	Sacramento Area Sewer District CS	5SSO10912	819752	Certified	Category 3	146543	Sacramento	No	15	0	10/10/2015	Pipe Structural Problem/Failure
5S	Sacramento Area Sewer District CS	5SSO10912	819821	Certified	Category 3	147543	Sacramento	No	15	0	10/23/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	820474	Certified	Category 3	148224	Sacramento	No	15	0	11/3/2015	Grease deposition (FOG)
5S	Davis CS	5SSO10921	819393	Certified	Category 3	1205 L STREET DAVIS CA 95696	Yolo	No	15	0	11/7/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	820495	Certified	Category 3	148874	Sacramento	No	15	0	11/7/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	820540	Certified	Category 3	149741	Sacramento	No	15	0	11/19/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	820562	Certified	Category 3	149902	Sacramento	No	15	0	11/21/2015	Root intrusion
5F	City Of Bakersfield CS	5SSO10717	819939	Certified	Category 3	1013 Pacheco Rd	Kern	No	15	0	11/21/2015	Grease Deposition (FOG)
5S	Sacramento Area Sewer District CS	5SSO10912	820597	Certified	Category 3	150253	Sacramento	No	15	0	11/27/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	820599	Certified	Category 3	150259	Sacramento	No	15	0	11/27/2015	Root intrusion
5S	City Of Folsom CS	5SSO10893	820046	Certified	Category 3	309 Leidesdorff St	Sacramento	No	15	0	11/30/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	819128	Certified	Category 3	144308	Sacramento	No	14	0	9/8/2015	Root intrusion
5S	Dry Creek CS	5SSO10935	818514	Certified	Category 3	1011 Tamarack Ct	Placer	No	14	0	9/19/2015	Pipe Structural Problem/Failure
5S	Sacramento Area Sewer District CS	5SSO10912	819715	Certified	Category 3	146049	Sacramento	No	14	0	10/3/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	819841	Certified	Category 3	147954	Sacramento	No	14	0	10/29/2015	Debris-General
5S	Sacramento Area Sewer District CS	5SSO10912	819172	Certified	Category 3	145065	Sacramento	No	13	0	9/17/2015	Root intrusion
5S	City of Sacramento Combined CS	5SSO10901-C	818753	Certified	Category 3	240 SEAVEY CIRCLE, SACRAMENTO, CA	Sacramento	No	13	0	10/13/2015	Grease Deposition (FOG)
5S	Demo South CS	5SSO10000	818754	Certified	Category 3	test cat 3 amend	Sacramento	No	13	0	10/14/2015	Debris-General
5S	Demo South CS	5SSO10000	819584	Certified	Category 3	test	Sacramento	No	13	0	11/22/2015	Debris-General
5S	Sacramento Area Sewer District CS	5SSO10912	819117	Certified	Category 3	144210	Sacramento	No	12	0	9/5/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	819200	Certified	Category 3	145611	Sacramento	No	12	0	9/26/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	819222	Certified	Category 3	145821	Sacramento	No	12	0	9/30/2015	Grease deposition (FOG)
5S	Sacramento Area Sewer District CS	5SSO10912	819742	Certified	Category 3	146342	Sacramento	No	12	0	10/7/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	819806	Certified	Category 3	147265	Sacramento	No	12	0	10/20/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	819816	Certified	Category 3	147445	Sacramento	No	12	0	10/21/2015	Root intrusion
5S	City of Stockton MUD CS	5SSO11433	818972	Certified	Category 3	962 Graywood Circle Stockton Ca.	San Joaquin	No	12	0	10/23/2015	Debris-General
5S	Sacramento Area Sewer District CS	5SSO10912	820490	Certified	Category 3	148511	Sacramento	No	12	0	11/6/2015	Root intrusion
5S	Modesto CS	5SSO11001	819690	Certified	Category 3	702 4th st Modesto Ca 95351	Stanislaus	No	12	0	11/21/2015	Grease Deposition (FOG)
5S	City of Stockton MUD CS	5SSO11433	819696	Certified	Category 3	412 E. Vine St.	San Joaquin	No	12	0	11/27/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	819168	Certified	Category 3	145010	Sacramento	No	11	0	9/17/2015	Root intrusion
5S	City of Stockton MUD CS	5SSO11433	818660	Certified	Category 3	8831 Hermosa Ct	San Joaquin	No	11	0	10/5/2015	Debris-General
5S	Sacramento Area Sewer District CS	5SSO10912	819743	Certified	Category 3	146343	Sacramento	No	11	0	10/6/2015	Debris-General
5S	Sacramento Area Sewer District CS	5SSO10912	819761	Certified	Category 3	146575	Sacramento	No	11	0	10/12/2015	Grease deposition (FOG)
5S	Sacramento Area Sewer District CS	5SSO10912	820522	Certified	Category 3	149335	Sacramento	No	11	0	11/14/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	820525	Certified	Category 3	149350	Sacramento	No	11	0	11/15/2015	Debris-General
5S	Sacramento Area Sewer District CS	5SSO10912	820526	Certified	Category 3	149352	Sacramento	No	11	0	11/15/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	820544	Certified	Category 3	149777	Sacramento	No	11	0	11/19/2015	Debris-General
5S	City of Woodland CS	5SSO10903	819931	Certified	Category 3	309 Buena Tierra	Yolo	No	11	0	11/21/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	820570	Certified	Category 3	149922	Sacramento	No	11	0	11/23/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	819109	Certified	Category 3	144068	Sacramento	No	10	0	9/3/2015	Debris-General

Region	Collection System	WDID	Spill ID	Certification Status	Spill Type	Spill Location Name	County	Did Spill Reach Surface Waters? (Y/N)	Total Spill Volume (Gallons)	Spill Volume that Reached Surface Waters (Gallons)	Start Date	Spill Cause
5S	City Of Antioch CS	5SSO10890	818229	Certified	Category 3	412 w 6th st antioch ca	Contra Costa	No	10	0	9/8/2015	Root Intrusion
5S	Rancho Murieta Community Service District CS	5SSO11487	817927	Certified	Category 3	east side of Murieta Drive ~50' south of Lone Pine Drive	Sacramento	No	10	0	9/9/2015	Damage by Others Not Related to CS Construction/Maintenance (Specify Below)
5S	Sacramento Area Sewer District CS	5SSO10912	819170	Certified	Category 3	145035	Sacramento	No	10	0	9/18/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	819175	Certified	Category 3	145105	Sacramento	No	10	0	9/19/2015	Root intrusion
5S	Dry Creek CS	5SSO10935	818891	Certified	Category 3	218 Judah	Placer	No	10	0	9/23/2015	Non-Dispersables
5S	Sacramento Area Sewer District CS	5SSO10912	819199	Certified	Category 3	145591	Sacramento	No	10	0	9/26/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	819208	Certified	Category 3	145648	Sacramento	No	10	0	9/27/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	819205	Certified	Category 3	145640	Sacramento	No	10	0	9/27/2015	Pipe Structural Problem/Failure
5S	Sacramento Area Sewer District CS	5SSO10912	819225	Certified	Category 3	145840	Sacramento	No	10	0	9/30/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	819707	Certified	Category 3	145978	Sacramento	No	10	0	10/2/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	819716	Certified	Category 3	146077	Sacramento	No	10	0	10/3/2015	Root intrusion
5F	Kerman CS	5SSO10736	818672	Certified	Category 3	Alley Behind El Mar Appt.	Fresno	No	10	0	10/8/2015	Grease Deposition (FOG)
5F	Tuolumne Utilities District CS	5SSO10771	818780	Certified	Category 3	CO in front of 567 Shaws Flat Rd	Tuolumne	No	10	0	10/14/2015	Grease Deposition (FOG)
5S	Sacramento Area Sewer District CS	5SSO10912	819797	Certified	Category 3	147096	Sacramento	No	10	0	10/18/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	819801	Certified	Category 3	147144	Sacramento	No	10	0	10/19/2015	Debris-General
5S	City Of Folsom CS	5SSO10893	819554	Certified	Category 3	611 Mormon St.	Sacramento	No	10	0	11/12/2015	Grease Deposition (FOG)
5S	Davis CS	5SSO10921	819480	Certified	Category 3	605 Raddiffe drive	Yolo	No	10	0	11/13/2015	Debris-General
5S	City of Stockton MUD CS	5SSO11433	819489	Certified	Category 3	705 E. Jackson St.	San Joaquin	No	10	0	11/15/2015	Grease Deposition (FOG)
5S	Davis CS	5SSO10921	819565	Certified	Category 3	641 Cleveland street	Yolo	No	10	0	11/18/2015	Root Intrusion
5S	City of Stockton MUD CS	5SSO11433	819548	Certified	Category 3	8519 Don Ramon Dr.	San Joaquin	No	10	0	11/18/2015	Debris-General
5S	Davis CS	5SSO10921	819595	Certified	Category 3	1137 Halifax Avenue	Yolo	No	10	0	11/21/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	820572	Certified	Category 3	149935	Sacramento	No	10	0	11/23/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	820583	Certified	Category 3	150163	Sacramento	No	10	0	11/25/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	820616	Certified	Category 3	150406	Sacramento	No	10	0	11/29/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	819144	Certified	Category 3	144541	Sacramento	No	9	0	9/10/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	819157	Certified	Category 3	144761	Sacramento	No	9	0	9/14/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	819161	Certified	Category 3	144848	Sacramento	No	9	0	9/16/2015	Root intrusion
5S	City of Sacramento Utilities CS	5SSO10901	818329	Certified	Category 3	605 CLINGER CT, SACRAMENTO, CA	Sacramento	No	9	0	9/23/2015	Grease Deposition (FOG)
5S	Sacramento Area Sewer District CS	5SSO10912	819204	Certified	Category 3	145626	Sacramento	No	9	0	9/27/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	819220	Certified	Category 3	145810	Sacramento	No	9	0	9/29/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	819221	Certified	Category 3	145817	Sacramento	No	9	0	9/30/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	819738	Certified	Category 3	146315	Sacramento	No	9	0	10/7/2015	Root intrusion
5S	City of Stockton MUD CS	5SSO11433	818740	Certified	Category 3	2073 Vada Cir.	San Joaquin	No	9	0	10/12/2015	Root intrusion
5S	City of Stockton MUD CS	5SSO11433	818925	Certified	Category 3	8539 Kelley Dr	San Joaquin	No	9	0	10/16/2015	Grease Deposition (FOG)
5S	Sacramento Area Sewer District CS	5SSO10912	819813	Certified	Category 3	147415	Sacramento	No	9	0	10/22/2015	Root intrusion
5S	City of Stockton MUD CS	5SSO11433	819298	Certified	Category 3	8205 Burgundy Dr	San Joaquin	No	9	0	11/1/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	820533	Certified	Category 3	149587	Sacramento	No	9	0	11/17/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	819130	Certified	Category 3	144323	Sacramento	No	8	0	9/8/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	819173	Certified	Category 3	145097	Sacramento	No	8	0	9/19/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	819180	Certified	Category 3	145173	Sacramento	No	8	0	9/20/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	819712	Certified	Category 3	146022	Sacramento	No	8	0	10/2/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	819723	Certified	Category 3	146097	Sacramento	No	8	0	10/5/2015	Debris-General
5S	Sacramento Area Sewer District CS	5SSO10912	819736	Certified	Category 3	146284	Sacramento	No	8	0	10/7/2015	Root intrusion
5S	City of Sacramento Utilities CS	5SSO10901	818685	Certified	Category 3	100 LINDLEY DR, SACRAMENTO, CA	Sacramento	No	8	0	10/8/2015	Grease Deposition (FOG)
5S	Sacramento Area Sewer District CS	5SSO10912	819764	Certified	Category 3	146587	Sacramento	No	8	0	10/12/2015	Debris-General
5S	Sacramento Area Sewer District CS	5SSO10912	819770	Certified	Category 3	146747	Sacramento	No	8	0	10/14/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	819777	Certified	Category 3	146814	Sacramento	No	8	0	10/15/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	819836	Certified	Category 3	147775	Sacramento	No	8	0	10/27/2015	Grease deposition (FOG)
5S	City of Stockton MUD CS	5SSO11433	819007	Certified	Category 3	8802 El Toro Way	San Joaquin	No	8	0	10/27/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	819850	Certified	Category 3	148030	Sacramento	No	8	0	10/30/2015	Root intrusion
5S	City of Stockton MUD CS	5SSO11433	819287	Certified	Category 3	222 W, Oak St	San Joaquin	No	8	0	10/30/2015	Debris-General
5S	Sacramento Area Sewer District CS	5SSO10912	820472	Certified	Category 3	148193	Sacramento	No	8	0	11/2/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	820477	Certified	Category 3	148257	Sacramento	No	8	0	11/3/2015	Debris-General
5S	Sacramento Area Sewer District CS	5SSO10912	820491	Certified	Category 3	148849	Sacramento	No	8	0	11/6/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	820506	Certified	Category 3	149056	Sacramento	No	8	0	11/10/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	820518	Certified	Category 3	149317	Sacramento	No	8	0	11/14/2015	Root intrusion
5S	City of Stockton MUD CS	5SSO11433	819485	Certified	Category 3	719 Yerba Buena Ave.	San Joaquin	No	8	0	11/14/2015	Debris-General
5S	Sacramento Area Sewer District CS	5SSO10912	820536	Certified	Category 3	149674	Sacramento	No	8	0	11/18/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	820550	Certified	Category 3	149877	Sacramento	No	8	0	11/21/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	820555	Certified	Category 3	149886	Sacramento	No	8	0	11/21/2015	Root intrusion

Region	Collection System	WDID	Spill ID	Certification Status	Spill Type	Spill Location Name	County	Did Spill Reach Surface Waters? (Y/N)	Total Spill Volume (Gallons)	Spill Volume that Reached Surface Waters (Gallons)	Start Date	Spill Cause
5S	Sacramento Area Sewer District CS	5SSO10912	820585	Certified	Category 3	150177	Sacramento	No	8	0	11/25/2015	Root intrusion
5S	City of Stockton MUD CS	5SSO11433	819693	Certified	Category 3	1120 E. Tenth St.	San Joaquin	No	8	0	11/26/2015	Debris-General
5S	Sacramento Area Sewer District CS	5SSO10912	820590	Certified	Category 3	150217	Sacramento	No	8	0	11/26/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	819171	Certified	Category 3	145044	Sacramento	No	7	0	9/18/2015	Debris-General
5S	Sacramento Area Sewer District CS	5SSO10912	819189	Certified	Category 3	145342	Sacramento	No	7	0	9/23/2015	Debris-General
5S	Dry Creek CS	5SSO10935	818888	Certified	Category 3	705 Oak Ridge	Placer	No	7	0	9/25/2015	Root Intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	819721	Certified	Category 3	146087	Sacramento	No	7	0	10/4/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	819768	Certified	Category 3	146730	Sacramento	No	7	0	10/14/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	819807	Certified	Category 3	147315	Sacramento	No	7	0	10/21/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	819811	Certified	Category 3	147387	Sacramento	No	7	0	10/22/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	819814	Certified	Category 3	147425	Sacramento	No	7	0	10/22/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	819846	Certified	Category 3	148008	Sacramento	No	7	0	10/30/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	820513	Certified	Category 3	149186	Sacramento	No	7	0	11/12/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	820523	Certified	Category 3	149338	Sacramento	No	7	0	11/14/2015	Debris-General
5S	Sacramento Area Sewer District CS	5SSO10912	820543	Certified	Category 3	149774	Sacramento	No	7	0	11/19/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	820577	Certified	Category 3	150058	Sacramento	No	7	0	11/24/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	820609	Certified	Category 3	150290	Sacramento	No	7	0	11/29/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	820617	Certified	Category 3	150462	Sacramento	No	7	0	11/29/2015	Root intrusion
5S	City of Woodland CS	5SSO10903	817923	Certified	Category 3	916 Beamer St	Yolo	No	6	0	9/1/2015	Root Intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	819112	Certified	Category 3	144161	Sacramento	No	6	0	9/4/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	819116	Certified	Category 3	144204	Sacramento	No	6	0	9/4/2015	Grease deposition (FOG)
5S	Sacramento Area Sewer District CS	5SSO10912	819143	Certified	Category 3	144539	Sacramento	No	6	0	9/10/2015	Debris-General
5S	Sacramento Area Sewer District CS	5SSO10912	819155	Certified	Category 3	144740	Sacramento	No	6	0	9/14/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	819177	Certified	Category 3	145118	Sacramento	No	6	0	9/21/2015	Debris-General
5S	Sacramento Area Sewer District CS	5SSO10912	819186	Certified	Category 3	145261	Sacramento	No	6	0	9/22/2015	Root intrusion
5S	City of Stockton MUD CS	5SSO11433	818642	Certified	Category 3	1021 Sanchez Ct	San Joaquin	No	6	0	10/1/2015	Grease Deposition (FOG)
5S	Sacramento Area Sewer District CS	5SSO10912	819735	Certified	Category 3	146272	Sacramento	No	6	0	10/6/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	819744	Certified	Category 3	146373	Sacramento	No	6	0	10/8/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	819819	Certified	Category 3	147486	Sacramento	No	6	0	10/23/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	819838	Certified	Category 3	147927	Sacramento	No	6	0	10/28/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	819842	Certified	Category 3	147961	Sacramento	No	6	0	10/29/2015	Vandalism
5S	Sacramento Area Sewer District CS	5SSO10912	820500	Certified	Category 3	148944	Sacramento	No	6	0	11/9/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	820508	Certified	Category 3	149103	Sacramento	No	6	0	11/10/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	820549	Certified	Category 3	149866	Sacramento	No	6	0	11/20/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	820582	Certified	Category 3	150148	Sacramento	No	6	0	11/25/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	820618	Certified	Category 3	150473	Sacramento	No	6	0	11/26/2015	Pipe Structural Problem/Failure
5S	Sacramento Area Sewer District CS	5SSO10912	820604	Certified	Category 3	150272	Sacramento	No	6	0	11/28/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	820607	Certified	Category 3	150285	Sacramento	No	6	0	11/29/2015	Debris-General
5F	City Of Bakersfield CS	5SSO10717	817934	Certified	Category 3	3400 Cheyenne Mountain Rd	Kern	No	5	0	9/4/2015	Pump Station Failure-Mechanical
5S	Sacramento Area Sewer District CS	5SSO10912	819123	Certified	Category 3	144251	Sacramento	No	5	0	9/7/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	819124	Certified	Category 3	144260	Sacramento	No	5	0	9/7/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	819142	Certified	Category 3	144530	Sacramento	No	5	0	9/9/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	819151	Certified	Category 3	144692	Sacramento	No	5	0	9/10/2015	Root intrusion
5S	City of Stockton MUD CS	5SSO11433	818001	Certified	Category 3	1001 Royal Oaks Dr.	San Joaquin	No	5	0	9/12/2015	Debris-General
5S	Sacramento Area Sewer District CS	5SSO10912	819149	Certified	Category 3	144651	Sacramento	No	5	0	9/13/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	819150	Certified	Category 3	144691	Sacramento	No	5	0	9/14/2015	Root intrusion
5S	City of Stockton MUD CS	5SSO11433	818055	Certified	Category 3	9247 Dardy Ct.	San Joaquin	No	5	0	9/15/2015	Debris-General
5S	Sacramento Area Sewer District CS	5SSO10912	819164	Certified	Category 3	144933	Sacramento	No	5	0	9/16/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	819178	Certified	Category 3	145143	Sacramento	No	5	0	9/21/2015	Debris-General
5S	Sacramento Area Sewer District CS	5SSO10912	819206	Certified	Category 3	145642	Sacramento	No	5	0	9/28/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	819227	Certified	Category 3	145938	Sacramento	No	5	0	9/30/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	819718	Certified	Category 3	146081	Sacramento	No	5	0	10/3/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	819729	Certified	Category 3	146209	Sacramento	No	5	0	10/6/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	819732	Certified	Category 3	146243	Sacramento	No	5	0	10/6/2015	Root intrusion
5F	City Of Bakersfield CS	5SSO10717	818639	Certified	Category 3	Oneill Ave & Dustin St	Kern	No	5	0	10/6/2015	Grease Deposition (FOG)
5S	Sacramento Area Sewer District CS	5SSO10912	819737	Certified	Category 3	146288	Sacramento	No	5	0	10/7/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	819740	Certified	Category 3	146336	Sacramento	No	5	0	10/7/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	819749	Certified	Category 3	146499	Sacramento	No	5	0	10/10/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	819759	Certified	Category 3	146562	Sacramento	No	5	0	10/11/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	819782	Certified	Category 3	146901	Sacramento	No	5	0	10/16/2015	Grease deposition (FOG)

Region	Collection System	WDID	Spill ID	Certification Status	Spill Type	Spill Location Name	County	Did Spill Reach Surface Waters? (Y/N)	Total Spill Volume (Gallons)	Spill Volume that Reached Surface Waters (Gallons)	Start Date	Spill Cause
SS	Dry Creek CS	5SSO10935	819342	Certified	Category 3	409 Washington	Placer	No	5	0	10/16/2015	Root Intrusion
SS	Dry Creek CS	5SSO10935	819344	Certified	Category 3	500 Oak St.	Placer	No	5	0	10/20/2015	Root Intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	819860	Certified	Category 3	148163	Sacramento	No	5	0	10/25/2015	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	819833	Certified	Category 3	147693	Sacramento	No	5	0	10/26/2015	Root intrusion
SS	City Of Folsom CS	5SSO10893	819407	Certified	Category 3	951 Duchow Way	Sacramento	No	5	0	10/28/2015	Root intrusion
SS	Lincoln Village Maintenance District CS	5SSO11482	819869	Certified	Category 3	2324 Swain	San Joaquin	No	5	0	10/30/2015	Debris-General
SS	Sacramento Area Sewer District CS	5SSO10912	819844	Certified	Category 3	148005	Sacramento	No	5	0	10/30/2015	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	819856	Certified	Category 3	148074	Sacramento	No	5	0	10/31/2015	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	820475	Certified	Category 3	148246	Sacramento	No	5	0	11/3/2015	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	820487	Certified	Category 3	148482	Sacramento	No	5	0	11/6/2015	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	820498	Certified	Category 3	148891	Sacramento	No	5	0	11/7/2015	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	820496	Certified	Category 3	148878	Sacramento	No	5	0	11/7/2015	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	820503	Certified	Category 3	148992	Sacramento	No	5	0	11/9/2015	Grease deposition (FOG)
SS	City of Sacramento Utilities CS	5SSO10901	819441	Certified	Category 3	7404 21st STREET, SACRAMENTO, CA	Sacramento	No	5	0	11/10/2015	Root Intrusion
5F	Tehachapi Correctional Inst CS	5SSO10763	819461	Certified	Category 3	California Correctional Institution, Tehachapi	Kern	No	5	0	11/13/2015	Debris-General
SS	Sacramento Area Sewer District CS	5SSO10912	820547	Certified	Category 3	149851	Sacramento	No	5	0	11/19/2015	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	820557	Certified	Category 3	149889	Sacramento	No	5	0	11/21/2015	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	820568	Certified	Category 3	149910	Sacramento	No	5	0	11/22/2015	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	820563	Certified	Category 3	149903	Sacramento	No	5	0	11/22/2015	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	820564	Certified	Category 3	149904	Sacramento	No	5	0	11/22/2015	Root intrusion
SS	City of Stockton MUD CS	5SSO11433	819669	Certified	Category 3	7125 Westland Ave.	San Joaquin	No	5	0	11/24/2015	Root intrusion
SS	Dry Creek CS	5SSO10935	820220	Certified	Category 3	1444 Tiffany Cir.	Placer	No	5	0	11/27/2015	Root intrusion
SS	Pacific Gardens Sanitary District CS	5SSO11480	820651	Certified	Category 3	4224 Oakridge Way	San Joaquin	No	5	0	11/30/2015	Pipe Structural Problem/Failure
SS	Sacramento Area Sewer District CS	5SSO10912	819400	Certified	Category 1	148926	Sacramento	Yes	5	3	11/9/2015	Root Intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	819113	Certified	Category 3	144193	Sacramento	No	4	0	9/4/2015	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	819119	Certified	Category 3	144238	Sacramento	No	4	0	9/6/2015	Grease deposition (FOG)
SS	Sacramento Area Sewer District CS	5SSO10912	819134	Certified	Category 3	144367	Sacramento	No	4	0	9/9/2015	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	819153	Certified	Category 3	144737	Sacramento	No	4	0	9/14/2015	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	819158	Certified	Category 3	144784	Sacramento	No	4	0	9/15/2015	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	819163	Certified	Category 3	144920	Sacramento	No	4	0	9/16/2015	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	819169	Certified	Category 3	145011	Sacramento	No	4	0	9/17/2015	Root intrusion
SS	City of Woodland CS	5SSO10903	818303	Certified	Category 3	920 Beamer St.	Yolo	No	4	0	9/18/2015	Root Intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	819183	Certified	Category 3	145177	Sacramento	No	4	0	9/21/2015	Grease deposition (FOG)
SS	Sacramento Area Sewer District CS	5SSO10912	819190	Certified	Category 3	145372	Sacramento	No	4	0	9/23/2015	Debris-General
SS	Sacramento Area Sewer District CS	5SSO10912	819191	Certified	Category 3	145386	Sacramento	No	4	0	9/23/2015	Root intrusion
SS	City of Sacramento Utilities CS	5SSO10901	818330	Certified	Category 3	7501 FAIRBARIN DR, SACRAMENTO, CA	Sacramento	No	4	0	9/24/2015	Debris from Construction
SS	Sacramento Area Sewer District CS	5SSO10912	819207	Certified	Category 3	145646	Sacramento	No	4	0	9/28/2015	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	819216	Certified	Category 3	145738	Sacramento	No	4	0	9/29/2015	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	819218	Certified	Category 3	145806	Sacramento	No	4	0	9/29/2015	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	819219	Certified	Category 3	145808	Sacramento	No	4	0	9/29/2015	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	819226	Certified	Category 3	145856	Sacramento	No	4	0	9/30/2015	Operator error
SS	Sacramento Area Sewer District CS	5SSO10912	819714	Certified	Category 3	146040	Sacramento	No	4	0	10/2/2015	Root intrusion
SS	City of Stockton MUD CS	5SSO11433	818703	Certified	Category 3	235 E Sonoma Av	San Joaquin	No	4	0	10/2/2015	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	819713	Certified	Category 3	146036	Sacramento	No	4	0	10/2/2015	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	819719	Certified	Category 3	146083	Sacramento	No	4	0	10/3/2015	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	819717	Certified	Category 3	146078	Sacramento	No	4	0	10/3/2015	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	819722	Certified	Category 3	146088	Sacramento	No	4	0	10/4/2015	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	819727	Certified	Category 3	146203	Sacramento	No	4	0	10/5/2015	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	819753	Certified	Category 3	146544	Sacramento	No	4	0	10/10/2015	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	819756	Certified	Category 3	146553	Sacramento	No	4	0	10/11/2015	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	819763	Certified	Category 3	146586	Sacramento	No	4	0	10/12/2015	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	819772	Certified	Category 3	146767	Sacramento	No	4	0	10/13/2015	Debris-General
SS	Sacramento Area Sewer District CS	5SSO10912	819771	Certified	Category 3	146753	Sacramento	No	4	0	10/14/2015	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	819788	Certified	Category 3	147008	Sacramento	No	4	0	10/17/2015	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	819800	Certified	Category 3	147125	Sacramento	No	4	0	10/19/2015	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	819810	Certified	Category 3	147362	Sacramento	No	4	0	10/20/2015	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	819817	Certified	Category 3	147461	Sacramento	No	4	0	10/22/2015	Debris-General
SS	Sacramento Area Sewer District CS	5SSO10912	819818	Certified	Category 3	147464	Sacramento	No	4	0	10/23/2015	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	819820	Certified	Category 3	147513	Sacramento	No	4	0	10/23/2015	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	819828	Certified	Category 3	147613	Sacramento	No	4	0	10/26/2015	Root intrusion

Region	Collection System	WDID	Spill ID	Certification Status	Spill Type	Spill Location Name	County	Did Spill Reach Surface Waters? (Y/N)	Total Spill Volume (Gallons)	Spill Volume that Reached Surface Waters (Gallons)	Start Date	Spill Cause
55	Sacramento Area Sewer District CS	55SO10912	819832	Certified	Category 3	147666	Sacramento	No	4	0	10/26/2015	Root intrusion
55	Sacramento Area Sewer District CS	55SO10912	819837	Certified	Category 3	147922	Sacramento	No	4	0	10/28/2015	Root intrusion
55	Sacramento Area Sewer District CS	55SO10912	819845	Certified	Category 3	148007	Sacramento	No	4	0	10/29/2015	Root intrusion
55	Sacramento Area Sewer District CS	55SO10912	819854	Certified	Category 3	148060	Sacramento	No	4	0	10/31/2015	Root intrusion
55	Sacramento Area Sewer District CS	55SO10912	819853	Certified	Category 3	148059	Sacramento	No	4	0	10/31/2015	Root intrusion
55	Sacramento Area Sewer District CS	55SO10912	820469	Certified	Category 3	148118	Sacramento	No	4	0	11/2/2015	Debris-General
55	Sacramento Area Sewer District CS	55SO10912	820489	Certified	Category 3	148508	Sacramento	No	4	0	11/6/2015	Root intrusion
55	Sacramento Area Sewer District CS	55SO10912	820499	Certified	Category 3	148896	Sacramento	No	4	0	11/8/2015	Root intrusion
55	City of Woodland CS	55SO10903	819534	Certified	Category 3	215 Schuerle Sreet	Yolo	No	4	0	11/8/2015	Root Intrusion
55	City of Stockton MUD CS	55SO11433	819380	Certified	Category 3	528 E. Benjamin Holt Dr.	San Joaquin	No	4	0	11/9/2015	Root Intrusion
55	Sacramento Area Sewer District CS	55SO10912	820505	Certified	Category 3	149032	Sacramento	No	4	0	11/10/2015	Root intrusion
55	City Of Lakeport CS	55SO10896	819446	Certified	Category 3	765 Sixth Street	Lake	No	4	0	11/13/2015	Debris-General
55	Dry Creek CS	55SO10935	819955	Certified	Category 3	1528 Oak Tree	Placer	No	4	0	11/13/2015	Root Intrusion
55	Sacramento Area Sewer District CS	55SO10912	820521	Certified	Category 3	149331	Sacramento	No	4	0	11/14/2015	Root intrusion
55	Sacramento Area Sewer District CS	55SO10912	820524	Certified	Category 3	149339	Sacramento	No	4	0	11/14/2015	Root intrusion
55	Sacramento Area Sewer District CS	55SO10912	820529	Certified	Category 3	149413	Sacramento	No	4	0	11/16/2015	Pipe Structural Problem/Failure
55	Sacramento Area Sewer District CS	55SO10912	820537	Certified	Category 3	149682	Sacramento	No	4	0	11/18/2015	Debris-General
55	Sacramento Area Sewer District CS	55SO10912	820551	Certified	Category 3	149879	Sacramento	No	4	0	11/21/2015	Debris-General
55	Sacramento Area Sewer District CS	55SO10912	820552	Certified	Category 3	149880	Sacramento	No	4	0	11/21/2015	Root intrusion
55	Sacramento Area Sewer District CS	55SO10912	820556	Certified	Category 3	149888	Sacramento	No	4	0	11/21/2015	Debris-General
55	Sacramento Area Sewer District CS	55SO10912	820561	Certified	Category 3	149900	Sacramento	No	4	0	11/22/2015	Root intrusion
55	Sacramento Area Sewer District CS	55SO10912	820575	Certified	Category 3	149969	Sacramento	No	4	0	11/23/2015	Root intrusion
55	Sacramento Area Sewer District CS	55SO10912	820579	Certified	Category 3	150116	Sacramento	No	4	0	11/24/2015	Root intrusion
55	Sacramento Area Sewer District CS	55SO10912	820580	Certified	Category 3	150138	Sacramento	No	4	0	11/25/2015	Root intrusion
55	Sacramento Area Sewer District CS	55SO10912	820591	Certified	Category 3	150219	Sacramento	No	4	0	11/26/2015	Root intrusion
55	Sacramento Area Sewer District CS	55SO10912	820598	Certified	Category 3	150255	Sacramento	No	4	0	11/27/2015	Root intrusion
55	Sacramento Area Sewer District CS	55SO10912	820601	Certified	Category 3	150261	Sacramento	No	4	0	11/27/2015	Root intrusion
55	Sacramento Area Sewer District CS	55SO10912	820603	Certified	Category 3	150266	Sacramento	No	4	0	11/28/2015	Root intrusion
55	Sacramento Area Sewer District CS	55SO10912	819118	Certified	Category 3	144235	Sacramento	No	3	0	9/5/2015	Root intrusion
55	Sacramento Area Sewer District CS	55SO10912	819126	Certified	Category 3	144283	Sacramento	No	3	0	9/8/2015	Root intrusion
55	Sacramento Area Sewer District CS	55SO10912	819135	Certified	Category 3	144378	Sacramento	No	3	0	9/9/2015	Debris-General
55	City of Stockton MUD CS	55SO11433	818002	Certified	Category 3	505 Garden Ave.	San Joaquin	No	3	0	9/12/2015	Root Intrusion
55	Sacramento Area Sewer District CS	55SO10912	819148	Certified	Category 3	144647	Sacramento	No	3	0	9/13/2015	Root intrusion
55	Sacramento Area Sewer District CS	55SO10912	819160	Certified	Category 3	144816	Sacramento	No	3	0	9/13/2015	Root intrusion
55	Sacramento Area Sewer District CS	55SO10912	819154	Certified	Category 3	144738	Sacramento	No	3	0	9/14/2015	Root intrusion
55	Sacramento Area Sewer District CS	55SO10912	819166	Certified	Category 3	144984	Sacramento	No	3	0	9/17/2015	Root intrusion
55	Sacramento Area Sewer District CS	55SO10912	819179	Certified	Category 3	145159	Sacramento	No	3	0	9/21/2015	Root intrusion
55	Sacramento Area Sewer District CS	55SO10912	819184	Certified	Category 3	145184	Sacramento	No	3	0	9/21/2015	Root intrusion
55	Sacramento Area Sewer District CS	55SO10912	819182	Certified	Category 3	145176	Sacramento	No	3	0	9/21/2015	Root intrusion
55	Sacramento Area Sewer District CS	55SO10912	819188	Certified	Category 3	145267	Sacramento	No	3	0	9/22/2015	Root intrusion
55	Sacramento Area Sewer District CS	55SO10912	819187	Certified	Category 3	145263	Sacramento	No	3	0	9/22/2015	Root intrusion
55	Sacramento Area Sewer District CS	55SO10912	819193	Certified	Category 3	145432	Sacramento	No	3	0	9/24/2015	Root intrusion
55	Sacramento Area Sewer District CS	55SO10912	819198	Certified	Category 3	145489	Sacramento	No	3	0	9/25/2015	Root intrusion
55	Sacramento Area Sewer District CS	55SO10912	819202	Certified	Category 3	145622	Sacramento	No	3	0	9/27/2015	Root intrusion
55	Sacramento Area Sewer District CS	55SO10912	819213	Certified	Category 3	145707	Sacramento	No	3	0	9/27/2015	Root intrusion
55	Sacramento Area Sewer District CS	55SO10912	819211	Certified	Category 3	145680	Sacramento	No	3	0	9/28/2015	Root intrusion
55	City Of Folsom CS	55SO10893	818781	Certified	Category 3	63 Sluice Way	Sacramento	No	3	0	9/29/2015	Debris from Construction
55	City of Stockton MUD CS	55SO11433	818657	Certified	Category 3	813 Banbury Dr	San Joaquin	No	3	0	9/30/2015	Root intrusion
55	Sacramento Area Sewer District CS	55SO10912	819223	Certified	Category 3	145826	Sacramento	No	3	0	9/30/2015	Root intrusion
55	City of Stockton MUD CS	55SO11433	818691	Certified	Category 3	2619 connecticut Av	San Joaquin	No	3	0	10/2/2015	Root intrusion
55	Sacramento Area Sewer District CS	55SO10912	819710	Certified	Category 3	146008	Sacramento	No	3	0	10/2/2015	Debris-General
55	Sacramento Area Sewer District CS	55SO10912	819711	Certified	Category 3	146014	Sacramento	No	3	0	10/2/2015	Root intrusion
55	El Dorado Hills CS	55SO10941	818898	Certified	Category 3	EDH-2015-10-03	El Dorado	No	3	0	10/5/2015	Root Intrusion
55	Sacramento Area Sewer District CS	55SO10912	819731	Certified	Category 3	146235	Sacramento	No	3	0	10/6/2015	Root intrusion
55	Sacramento Area Sewer District CS	55SO10912	819758	Certified	Category 3	146557	Sacramento	No	3	0	10/10/2015	Debris-General
55	Sacramento Area Sewer District CS	55SO10912	819774	Certified	Category 3	146784	Sacramento	No	3	0	10/14/2015	Root intrusion
55	Sacramento Area Sewer District CS	55SO10912	819779	Certified	Category 3	146874	Sacramento	No	3	0	10/15/2015	Root intrusion
55	Sacramento Area Sewer District CS	55SO10912	819786	Certified	Category 3	146993	Sacramento	No	3	0	10/16/2015	Root intrusion
55	Sacramento Area Sewer District CS	55SO10912	819799	Certified	Category 3	147118	Sacramento	No	3	0	10/18/2015	Root intrusion
55	Sacramento Area Sewer District CS	55SO10912	819794	Certified	Category 3	147073	Sacramento	No	3	0	10/19/2015	Root intrusion

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55	Sacramento Area Sewer District CS	55SO10912	819795	Certified	Category 3	147080	Sacramento	No	3	0	10/19/2015	Root intrusion
55	Sacramento Area Sewer District CS	55SO10912	819802	Certified	Category 3	147171	Sacramento	No	3	0	10/20/2015	Root intrusion
55	Sacramento Area Sewer District CS	55SO10912	819803	Certified	Category 3	147236	Sacramento	No	3	0	10/21/2015	Root intrusion
55	Sacramento Area Sewer District CS	55SO10912	819808	Certified	Category 3	147320	Sacramento	No	3	0	10/21/2015	Root intrusion
55	Sacramento Area Sewer District CS	55SO10912	819804	Certified	Category 3	147255	Sacramento	No	3	0	10/21/2015	Root intrusion
55	Sacramento Area Sewer District CS	55SO10912	819812	Certified	Category 3	147410	Sacramento	No	3	0	10/22/2015	Root intrusion
55	Sacramento Area Sewer District CS	55SO10912	819822	Certified	Category 3	147555	Sacramento	No	3	0	10/23/2015	Root intrusion
55	Sacramento Area Sewer District CS	55SO10912	819829	Certified	Category 3	147615	Sacramento	No	3	0	10/26/2015	Root intrusion
55	Sacramento Area Sewer District CS	55SO10912	819831	Certified	Category 3	147641	Sacramento	No	3	0	10/26/2015	Root intrusion
55	Sacramento Area Sewer District CS	55SO10912	819843	Certified	Category 3	147970	Sacramento	No	3	0	10/29/2015	Root intrusion
55	Sacramento Area Sewer District CS	55SO10912	819849	Certified	Category 3	148014	Sacramento	No	3	0	10/30/2015	Root intrusion
55	Sacramento Area Sewer District CS	55SO10912	820466	Certified	Category 3	148088	Sacramento	No	3	0	11/1/2015	Root intrusion
55	Sacramento Area Sewer District CS	55SO10912	820468	Certified	Category 3	148090	Sacramento	No	3	0	11/1/2015	Root intrusion
55	Sacramento Area Sewer District CS	55SO10912	820470	Certified	Category 3	148160	Sacramento	No	3	0	11/2/2015	Root intrusion
55	City Of Lakeport CS	55SO10896	819339	Certified	Category 3	555 First Street	Lake	No	3	0	11/5/2015	Debris from Lateral
55	Sacramento Area Sewer District CS	55SO10912	820484	Certified	Category 3	148465	Sacramento	No	3	0	11/6/2015	Root intrusion
55	Sacramento Area Sewer District CS	55SO10912	820514	Certified	Category 3	149207	Sacramento	No	3	0	11/11/2015	Root intrusion
55	City Of Folsom CS	55SO10893	819549	Certified	Category 3	411 S. Lexington Dr.	Sacramento	No	3	0	11/13/2015	Grease Deposition (FOG)
55	Sacramento Area Sewer District CS	55SO10912	820519	Certified	Category 3	149318	Sacramento	No	3	0	11/14/2015	Root intrusion
55	Sacramento Area Sewer District CS	55SO10912	820520	Certified	Category 3	149322	Sacramento	No	3	0	11/14/2015	Grease deposition (FOG)
55	Sacramento Area Sewer District CS	55SO10912	820535	Certified	Category 3	149661	Sacramento	No	3	0	11/18/2015	Root intrusion
55	Sacramento Area Sewer District CS	55SO10912	820541	Certified	Category 3	149765	Sacramento	No	3	0	11/18/2015	Debris-General
55	Sacramento Area Sewer District CS	55SO10912	820542	Certified	Category 3	149770	Sacramento	No	3	0	11/19/2015	Root intrusion
55	Sacramento Area Sewer District CS	55SO10912	820548	Certified	Category 3	149857	Sacramento	No	3	0	11/20/2015	Root intrusion
55	Sacramento Area Sewer District CS	55SO10912	820560	Certified	Category 3	149895	Sacramento	No	3	0	11/21/2015	Root intrusion
55	Sacramento Area Sewer District CS	55SO10912	820574	Certified	Category 3	149966	Sacramento	No	3	0	11/22/2015	Root intrusion
55	City of Stockton MUD CS	55SO11433	819639	Certified	Category 3	6820 Pacific Ave.	San Joaquin	No	3	0	11/23/2015	Debris-General
55	Dry Creek CS	55SO10935	819957	Certified	Category 3	864 Portside	Placer	No	3	0	11/24/2015	Root Intrusion
55	Sacramento Area Sewer District CS	55SO10912	820584	Certified	Category 3	150176	Sacramento	No	3	0	11/24/2015	Root intrusion
55	Sacramento Area Sewer District CS	55SO10912	820588	Certified	Category 3	150205	Sacramento	No	3	0	11/25/2015	Root intrusion
55	Sacramento Area Sewer District CS	55SO10912	820596	Certified	Category 3	150252	Sacramento	No	3	0	11/27/2015	Root intrusion
55	Sacramento Area Sewer District CS	55SO10912	820615	Certified	Category 3	150375	Sacramento	No	3	0	11/30/2015	Root intrusion
55	City of Stockton MUD CS	55SO11433	817965	Certified	Category 3	2228 N Sutter St.	San Joaquin	No	2	0	9/4/2015	Debris-General
55	Sacramento Area Sewer District CS	55SO10912	819110	Certified	Category 3	144130	Sacramento	No	2	0	9/4/2015	Other (specify)
55	Sacramento Area Sewer District CS	55SO10912	819114	Certified	Category 3	144197	Sacramento	No	2	0	9/4/2015	Root intrusion
55	Sacramento Area Sewer District CS	55SO10912	819129	Certified	Category 3	144321	Sacramento	No	2	0	9/6/2015	Root intrusion
55	Sacramento Area Sewer District CS	55SO10912	819121	Certified	Category 3	144245	Sacramento	No	2	0	9/7/2015	Root intrusion
55	Sacramento Area Sewer District CS	55SO10912	819137	Certified	Category 3	144469	Sacramento	No	2	0	9/9/2015	Root intrusion
55	Sacramento Area Sewer District CS	55SO10912	819138	Certified	Category 3	144489	Sacramento	No	2	0	9/10/2015	Root intrusion
55	Sacramento Area Sewer District CS	55SO10912	819140	Certified	Category 3	144517	Sacramento	No	2	0	9/10/2015	Root intrusion
55	Sacramento Area Sewer District CS	55SO10912	819141	Certified	Category 3	144522	Sacramento	No	2	0	9/10/2015	Root intrusion
55	Sacramento Area Sewer District CS	55SO10912	819159	Certified	Category 3	144787	Sacramento	No	2	0	9/15/2015	Root intrusion
55	Sacramento Area Sewer District CS	55SO10912	819167	Certified	Category 3	145007	Sacramento	No	2	0	9/17/2015	Debris-General
55	Sacramento Area Sewer District CS	55SO10912	819181	Certified	Category 3	145175	Sacramento	No	2	0	9/21/2015	Root intrusion
55	Sacramento Area Sewer District CS	55SO10912	819194	Certified	Category 3	145463	Sacramento	No	2	0	9/24/2015	Root intrusion
55	Sacramento Area Sewer District CS	55SO10912	819196	Certified	Category 3	145480	Sacramento	No	2	0	9/25/2015	Root intrusion
55	Sacramento Area Sewer District CS	55SO10912	819185	Certified	Category 3	145243	Sacramento	No	2	0	9/25/2015	Operator error
55	Sacramento Area Sewer District CS	55SO10912	819201	Certified	Category 3	145617	Sacramento	No	2	0	9/27/2015	Root intrusion
55	Sacramento Area Sewer District CS	55SO10912	819209	Certified	Category 3	145668	Sacramento	No	2	0	9/28/2015	Debris-General
55	Sacramento Area Sewer District CS	55SO10912	819210	Certified	Category 3	145674	Sacramento	No	2	0	9/28/2015	Root intrusion
55	Sacramento Area Sewer District CS	55SO10912	819212	Certified	Category 3	145693	Sacramento	No	2	0	9/28/2015	Debris-General
55	Sacramento Area Sewer District CS	55SO10912	819214	Certified	Category 3	145727	Sacramento	No	2	0	9/28/2015	Root intrusion
55	Sacramento Area Sewer District CS	55SO10912	819215	Certified	Category 3	145733	Sacramento	No	2	0	9/29/2015	Root intrusion
55	Grass Valley City CS	55SO10958	818527	Certified	Category 3	122 Maryland	Nevada	No	2	0	9/29/2015	Root intrusion
55	Sacramento Area Sewer District CS	55SO10912	819224	Certified	Category 3	145829	Sacramento	No	2	0	9/30/2015	Root intrusion
55	Sacramento Area Sewer District CS	55SO10912	819706	Certified	Category 3	145935	Sacramento	No	2	0	10/1/2015	Root intrusion
55	Sacramento Area Sewer District CS	55SO10912	819720	Certified	Category 3	146086	Sacramento	No	2	0	10/4/2015	Root intrusion
55	City of Stockton MUD CS	55SO11433	818630	Certified	Category 3	3925 William Ct	San Joaquin	No	2	0	10/4/2015	Debris-General
55	Sacramento Area Sewer District CS	55SO10912	819724	Certified	Category 3	146098	Sacramento	No	2	0	10/5/2015	Root intrusion
55	Sacramento Area Sewer District CS	55SO10912	819725	Certified	Category 3	146108	Sacramento	No	2	0	10/5/2015	Root intrusion

Region	Collection System	WDID	Spill ID	Certification Status	Spill Type	Spill Location Name	County	Did Spill Reach Surface Waters? (Y/N)	Total Spill Volume (Gallons)	Spill Volume that Reached Surface Waters (Gallons)	Start Date	Spill Cause
5S	Sacramento Area Sewer District CS	5SSO10912	819726	Certified	Category 3	146155	Sacramento	No	2	0	10/5/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	819728	Certified	Category 3	146208	Sacramento	No	2	0	10/6/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	819730	Certified	Category 3	146232	Sacramento	No	2	0	10/6/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	819733	Certified	Category 3	146259	Sacramento	No	2	0	10/6/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	819734	Certified	Category 3	146261	Sacramento	No	2	0	10/6/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	819741	Certified	Category 3	146339	Sacramento	No	2	0	10/7/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	819745	Certified	Category 3	146381	Sacramento	No	2	0	10/8/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	819747	Certified	Category 3	146450	Sacramento	No	2	0	10/9/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	819748	Certified	Category 3	146478	Sacramento	No	2	0	10/9/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	819750	Certified	Category 3	146528	Sacramento	No	2	0	10/10/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	819751	Certified	Category 3	146542	Sacramento	No	2	0	10/10/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	819754	Certified	Category 3	146545	Sacramento	No	2	0	10/10/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	819762	Certified	Category 3	146576	Sacramento	No	2	0	10/12/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	819765	Certified	Category 3	146588	Sacramento	No	2	0	10/12/2015	Root intrusion
5S	Dry Creek CS	5SSO10935	819343	Certified	Category 3	236 Elm	Placer	No	2	0	10/13/2015	Root Intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	819769	Certified	Category 3	146740	Sacramento	No	2	0	10/14/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	819773	Certified	Category 3	146779	Sacramento	No	2	0	10/14/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	819775	Certified	Category 3	146792	Sacramento	No	2	0	10/15/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	819784	Certified	Category 3	146940	Sacramento	No	2	0	10/16/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	819789	Certified	Category 3	147020	Sacramento	No	2	0	10/18/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	819798	Certified	Category 3	147097	Sacramento	No	2	0	10/19/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	819830	Certified	Category 3	147617	Sacramento	No	2	0	10/19/2015	Root intrusion
5S	City Of Antioch CS	5SSO10890	819247	Certified	Category 3	1633 Mount Silliman Way Antioch Ca.	Contra Costa	No	2	0	10/21/2015	Debris-General
5S	Sacramento Area Sewer District CS	5SSO10912	819809	Certified	Category 3	147350	Sacramento	No	2	0	10/21/2015	Root intrusion
5S	Dry Creek CS	5SSO10935	819594	Certified	Category 3	1748 Hillingdon	Placer	No	2	0	10/22/2015	Root Intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	819815	Certified	Category 3	147437	Sacramento	No	2	0	10/22/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	819824	Certified	Category 3	147578	Sacramento	No	2	0	10/24/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	819825	Certified	Category 3	147581	Sacramento	No	2	0	10/25/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	819826	Certified	Category 3	147593	Sacramento	No	2	0	10/25/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	819835	Certified	Category 3	147701	Sacramento	No	2	0	10/26/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	819834	Certified	Category 3	147700	Sacramento	No	2	0	10/26/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	819839	Certified	Category 3	147945	Sacramento	No	2	0	10/29/2015	Operator error
5S	Sacramento Area Sewer District CS	5SSO10912	819840	Certified	Category 3	147953	Sacramento	No	2	0	10/29/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	819847	Certified	Category 3	148010	Sacramento	No	2	0	10/30/2015	Grease deposition (FOG)
5S	Sacramento Area Sewer District CS	5SSO10912	819848	Certified	Category 3	148012	Sacramento	No	2	0	10/30/2015	Root intrusion
5S	City of Stockton MUD CS	5SSO11433	819299	Certified	Category 3	7450 Karlsburg Cir	San Joaquin	No	2	0	10/30/2015	Root Intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	819857	Certified	Category 3	148075	Sacramento	No	2	0	10/31/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	819859	Certified	Category 3	148081	Sacramento	No	2	0	10/31/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	820467	Certified	Category 3	148089	Sacramento	No	2	0	11/1/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	820471	Certified	Category 3	148166	Sacramento	No	2	0	11/2/2015	Operator error
5S	Sacramento Area Sewer District CS	5SSO10912	820473	Certified	Category 3	148199	Sacramento	No	2	0	11/2/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	820480	Certified	Category 3	148380	Sacramento	No	2	0	11/4/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	820492	Certified	Category 3	148863	Sacramento	No	2	0	11/7/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	820494	Certified	Category 3	148866	Sacramento	No	2	0	11/7/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	820507	Certified	Category 3	149102	Sacramento	No	2	0	11/10/2015	Debris-General
5S	Sacramento Area Sewer District CS	5SSO10912	820511	Certified	Category 3	149130	Sacramento	No	2	0	11/11/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	820510	Certified	Category 3	149124	Sacramento	No	2	0	11/11/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	820530	Certified	Category 3	149475	Sacramento	No	2	0	11/15/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	820527	Certified	Category 3	149387	Sacramento	No	2	0	11/16/2015	Grease deposition (FOG)
5S	Dry Creek CS	5SSO10935	819956	Certified	Category 3	1404 McBride	Placer	No	2	0	11/16/2015	Root Intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	820534	Certified	Category 3	149629	Sacramento	No	2	0	11/18/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	820538	Certified	Category 3	149685	Sacramento	No	2	0	11/19/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	820539	Certified	Category 3	149706	Sacramento	No	2	0	11/19/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	820546	Certified	Category 3	149820	Sacramento	No	2	0	11/20/2015	Operator error
5S	Sacramento Area Sewer District CS	5SSO10912	820566	Certified	Category 3	149906	Sacramento	No	2	0	11/22/2015	Root intrusion
5F	City of Fresno CS	5SSO11202	819660	Certified	Category 3	MH 1645-18	Fresno	No	2	0	11/23/2015	Grease Deposition (FOG)
5S	Sacramento Area Sewer District CS	5SSO10912	820576	Certified	Category 3	150039	Sacramento	No	2	0	11/23/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	820589	Certified	Category 3	150216	Sacramento	No	2	0	11/26/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	820592	Certified	Category 3	150222	Sacramento	No	2	0	11/26/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	820602	Certified	Category 3	150265	Sacramento	No	2	0	11/27/2015	Root intrusion

Region	Collection System	WDID	Spill ID	Certification Status	Spill Type	Spill Location Name	County	Did Spill Reach Surface Waters? (Y/N)	Total Spill Volume (Gallons)	Spill Volume that Reached Surface Waters (Gallons)	Start Date	Spill Cause
55	Sacramento Area Sewer District CS	55SO10912	820605	Certified	Category 3	150277	Sacramento	No	2	0	11/28/2015	Root intrusion
55	Sacramento Area Sewer District CS	55SO10912	820608	Certified	Category 3	150286	Sacramento	No	2	0	11/29/2015	Root intrusion
55	Sacramento Area Sewer District CS	55SO10912	820612	Certified	Category 3	150303	Sacramento	No	2	0	11/29/2015	Root intrusion
55	Sacramento Area Sewer District CS	55SO10912	820613	Certified	Category 3	150307	Sacramento	No	2	0	11/30/2015	Root intrusion
55	Sacramento Area Sewer District CS	55SO10912	820614	Certified	Category 3	150332	Sacramento	No	2	0	11/30/2015	Operator error
55	Sacramento Area Sewer District CS	55SO10912	819108	Certified	Category 3	143872	Sacramento	No	1	0	9/1/2015	Root intrusion
55	Stonegate Village CS	55SO11060	817876	Certified	Category 3	3225 Stonegate Dr	Sutter	No	1	0	9/2/2015	Operator Error
55	Sacramento Area Sewer District CS	55SO10912	819122	Certified	Category 3	144250	Sacramento	No	1	0	9/7/2015	Root intrusion
55	Sacramento Area Sewer District CS	55SO10912	819146	Certified	Category 3	144619	Sacramento	No	1	0	9/12/2015	Root intrusion
55	Sacramento Area Sewer District CS	55SO10912	819192	Certified	Category 3	145390	Sacramento	No	1	0	9/23/2015	Root intrusion
55	Sacramento Area Sewer District CS	55SO10912	819195	Certified	Category 3	145469	Sacramento	No	1	0	9/24/2015	Root intrusion
55	Dry Creek CS	55SO10935	818910	Certified	Category 3	4121 Enchanted	Placer	No	1	0	9/27/2015	Root intrusion
55	City of Stockton MUD CS	55SO11433	818684	Certified	Category 3	8828 Kelly Dr	San Joaquin	No	1	0	10/5/2015	Grease Deposition (FOG)
55	Sacramento Area Sewer District CS	55SO10912	819766	Certified	Category 3	146669	Sacramento	No	1	0	10/13/2015	Root intrusion
55	Sacramento Area Sewer District CS	55SO10912	819781	Certified	Category 3	146893	Sacramento	No	1	0	10/16/2015	Root intrusion
55	Sacramento Area Sewer District CS	55SO10912	819787	Certified	Category 3	147003	Sacramento	No	1	0	10/17/2015	Root intrusion
55	Sacramento Area Sewer District CS	55SO10912	819791	Certified	Category 3	147025	Sacramento	No	1	0	10/18/2015	Root intrusion
55	City Of Antioch CS	55SO10890	819246	Certified	Category 3	310 Elizabeth Ct. Antioch Ca	Contra Costa	No	1	0	10/21/2015	Root intrusion
55	Sacramento Area Sewer District CS	55SO10912	819823	Certified	Category 3	147566	Sacramento	No	1	0	10/23/2015	Root intrusion
55	Sacramento Area Sewer District CS	55SO10912	819851	Certified	Category 3	148031	Sacramento	No	1	0	10/30/2015	Root intrusion
55	Sacramento Area Sewer District CS	55SO10912	819852	Certified	Category 3	148058	Sacramento	No	1	0	10/31/2015	Root intrusion
55	Sacramento Area Sewer District CS	55SO10912	820464	Certified	Category 3	148083	Sacramento	No	1	0	11/1/2015	Root intrusion
55	Sacramento Area Sewer District CS	55SO10912	820465	Certified	Category 3	148085	Sacramento	No	1	0	11/1/2015	Root intrusion
55	Sacramento Area Sewer District CS	55SO10912	820478	Certified	Category 3	148275	Sacramento	No	1	0	11/3/2015	Operator error
55	Sacramento Area Sewer District CS	55SO10912	820488	Certified	Category 3	148486	Sacramento	No	1	0	11/6/2015	Root intrusion
55	Sacramento Area Sewer District CS	55SO10912	820501	Certified	Category 3	148945	Sacramento	No	1	0	11/9/2015	Operator error
55	Sacramento Area Sewer District CS	55SO10912	820504	Certified	Category 3	149019	Sacramento	No	1	0	11/10/2015	Operator error
55	Sacramento Area Sewer District CS	55SO10912	820509	Certified	Category 3	149122	Sacramento	No	1	0	11/11/2015	Other (specify)
55	Sacramento Area Sewer District CS	55SO10912	820516	Certified	Category 3	149270	Sacramento	No	1	0	11/13/2015	Debris-General
55	Sacramento Area Sewer District CS	55SO10912	820517	Certified	Category 3	149309	Sacramento	No	1	0	11/13/2015	Root intrusion
55	City of Stockton MUD CS	55SO11433	819622	Certified	Category 3	3848 N. American St Stockton Ca	San Joaquin	No	1	0	11/21/2015	Debris-General
55	Sacramento Area Sewer District CS	55SO10912	820559	Certified	Category 3	149893	Sacramento	No	1	0	11/21/2015	Root intrusion
55	Sacramento Area Sewer District CS	55SO10912	820569	Certified	Category 3	149912	Sacramento	No	1	0	11/22/2015	Root intrusion
55	City of Stockton MUD CS	55SO11433	819624	Certified	Category 3	730 Pio Pica Ave.	San Joaquin	No	1	0	11/23/2015	Root intrusion
55	Sacramento Area Sewer District CS	55SO10912	820578	Certified	Category 3	150088	Sacramento	No	1	0	11/24/2015	Root intrusion
55	Sacramento Area Sewer District CS	55SO10912	820586	Certified	Category 3	150197	Sacramento	No	1	0	11/25/2015	Root intrusion
55	Sacramento Area Sewer District CS	55SO10912	820600	Certified	Category 3	150260	Sacramento	No	1	0	11/27/2015	Root intrusion

ATTACHMENT A - Sanitary Sewer Spills - Summary Report

Count of Spills for September through November 2015

Count of Spills Month	5F				5R				5S				Grand Total
	Category 1	Category 2	Category 3	5F Total	Category 1	Category 2	Category 3	5R Total	Category 1	Category 2	Category 3	5S Total	
September 2015	0	3	10	13	0	0	1	1	4	3	156	163	177
October 2015	1	0	11	12	2	2	0	4	3	2	204	209	225
November 2015	0	0	14	14	1	0	3	4	6	1	209	216	234
Total	1	3	35	39	3	2	4	9	13	6	569	588	636

Spill Cause	Count of Spills	%
Root Intrusion	428	67.3%
Debris - General	83	13.1%
Grease Deposition (FOG)	53	8.3%
Operator Error	13	2.0%
Pipe Structural Problem/Failure	13	2.0%
Other	10	1.6%
Damage by Others Not Related to CS Construction/Maintenance	8	1.3%
Debris - Rags	6	0.9%
Debris from Lateral	4	0.6%
Pump Station Failure - Mechanical	3	0.5%
CS Maintenance Caused Spill/Damage	2	0.3%
Debris from Construction	2	0.3%
Non-Dispersables	2	0.3%
Vandalism	2	0.3%
Air Relief Valve (ARV)/Blow-Off Valve (BOV) Failure	2	0.3%
Construction Diversion Failure	1	0.2%
Inappropriate Discharge to CS	1	0.2%
Pipe Structural Problem/Failure - Installation	1	0.2%
Pump Station Failure - Controls	1	0.2%
Pump Station Failure - Power	1	0.2%
Grand Total	636	100%

Category 1: Discharges of untreated or partially treated wastewater of any volume resulting from an enrollee's sanitary sewer system failure or flow condition that: □

Reach surface water and/or reach a drainage channel tributary to a surface water; or

Reach a Municipal Separate Storm Sewer System (MS4) and are not fully captured and returned to the sanitary sewer system or not otherwise captured and disposed of properly. Any volume of wastewater not recovered from the MS4 is considered to have reached surface water unless the storm drain system discharges to a dedicated storm water or groundwater infiltration basin (e.g., infiltration pit, percolation pond).

Category 2: Discharges of untreated or partially treated wastewater of 1,000 gallons or greater resulting from an enrollee's sanitary sewer system failure or flow condition that do not reach surface water, a drainage channel, or a MS4 unless the entire SSO discharged to the storm drain system is fully recovered and disposed of properly

Category 3: All other discharges of untreated or partially treated wastewater resulting from an enrollee's sanitary sewer system failure or flow condition