

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



**EXECUTIVE OFFICER'S REPORT
February 23/24, 2017**

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SUCCESS STORIES

IRRIGATED AGRICULTURE – SUCCESSFUL COMPLETION OF IMPLEMENTED MANAGEMENT PLANS

Under the Irrigated Lands Regulatory Program, management plans are triggered when samples collected from a site are tested and a constituent shows two or more exceedances of the appropriate water quality limit within a 3-year period. This triggers development of a management plan by the Coalition and requires implementation of improved management practices by member growers. Implementation is deemed successful when the Coalition demonstrates: (1) at least three years of compliance with receiving water limitations; (2) documentation of third-party education and outreach to growers; (3) documentation of implementation of improved management practices; and (4) demonstration of management practice effectiveness.

- **Sacramento Valley Water Quality Coalition**

On 19 January 2017, the Executive Officer approved the completion of the Sacramento Valley Water Quality Coalition's (Coalition) *Ceriodaphnia dubia* management plan in Lower Snake River at Nuestro Road. The implemented management plan successfully eliminated a water quality problem caused by discharge of agricultural pollutants into surface receiving waters. The Coalition held member meetings and conducted extensive outreach to growers to provide guidance regarding management practices to protect water quality from chemicals that cause aquatic toxicity. Examples of new practices implemented by growers include monitor wind conditions; cover crops; vegetated drainage ditches; filter strips; following label requirements; end of row shutoff when spraying; and using efficient irrigation methods. Water quality analyses showed that receiving water limits were met, demonstrating the effectiveness of implemented practices.

BRIDGE DEMOLITION, LAKE SHASTA

The California Department of Transportation (Caltrans), and their contractor Tutor Saliba Corporation, constructed a replacement of Antlers Bridge on Interstate 5 in Shasta County over the Sacramento River arm of Shasta Lake near the community of Lakehead. The 125 million dollar project included the demolition of the old bridge. Concerns were raised regarding the wet demolition plan and the potential for discharges of lead to the lake from the lead-based primer paint on the steel bridge members. Redding office storm water staff worked closely with NPDES program staff to issue Caltrans and Tutor Saliba Corporation an amended Notice of Applicability for the Low Threat General Waste Discharge Requirements to include discharges to Shasta Lake resulting from the explosive demolition of the steel bridge structure and including additional monitoring requirements. The initial explosive demolition of the old bridge occurred on 10 January 2017. Water Board staff was present in the incident command center to observe the demolition, which was only partially successful with rain preventing full demolition. On 14 January 2017, a second explosive demolition occurred and was successful. Initial post-demolition water quality monitoring results show lead concentrations in Shasta Lake to be well below the most stringent, applicable water quality objective, both inside and outside the project area.

SB445 FUNDING AWARDED

- **Winemucca Trading Co, Former Shasta Paper Treatment Lagoons, Case 2050189, Shasta County: \$1.2 M.** The site is a 125-acre former kraft process pulp and paper mill which operated under a succession of owners from 1964 until 2001. This Site Cleanup Program case has been recalcitrant for many years, with enforcement actions dating back to 2004. Although numerous releases of reagents and waste products likely occurred during the 37 years of mill operations, characterization of soil and groundwater has not occurred, and the extent to which site activities have impacted the drinking water aquifer beneath the mill site remains relatively unknown. Suspected contaminants of concern include but are not limited to dioxins and chlorinated ethenes. Central Valley Water Board staff submitted a proposal to the State Water Board for Senate Bill 445 funds (also known as Site Cleanup Subaccount Program or SCAP) to investigate the Site. Staff prepared a detailed scope of work, cost estimate, and Project Execution Plan (PEP) proposing soil vapor, soil, and groundwater investigation tasks to identify the nature and extent of contamination which will allow assessment of water quality impacts. The State Water Board SCAP has authorized a contract amount of \$1,195,192. The State Water Board expects to enter into a contract with an environmental consultant in the spring of 2017.

- **Dotzenrod Shell Anderson, Case SLT5R1095, Shasta County: \$275,227**
From 1957 until 1996, the site dispensed gasoline from two 6,000-gallon and two 8,000-gallon underground storage tanks (USTs). The petroleum pollution has been remediated to the maximum extent practicable. However, pollution by chlorinated ethenes (perchloroethylene, tetrachloroethylene, cis 1,2-dichloroethylene, and vinyl chloride) from an undetermined source remains in groundwater at concentrations exceeding water quality objectives. The Discharger submitted an application for SCAP funding. The scope of work is to assess and clean up the chlorinated ethenes via groundwater monitoring, sub-slab soil vapor monitoring, vapor intrusion modeling, and in situ bio stimulation. The State Water Board SCAP has awarded a \$275,227 grant to the Discharger.

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**

- **East Reedley Store, 22012 East Manning Avenue, Reedley, Fresno County**
The site is a convenience store with retail motor fuel sales. Gasoline and diesel USTs and associated product piping were removed in March 1987. Analytical results of soil samples collected from beneath the USTs and piping, indicated fuel hydrocarbon impacts to soil. Multiple soil and groundwater assessments were conducted from September 1990 through December 2007. During September 2003 sampling event, about 1.25 feet of floating petroleum product was encountered in well MW-1 in the source area. Floating product was periodically removed and none has been present since 2008. Groundwater monitoring wells sampled during recent sampling events indicated that concentrations in the existing wells have decreased significantly.

Soil vapor extraction with air sparging was conducted from October 2008 through November 2015, removing an estimated 123,044 pounds of TPHg. Remaining petroleum hydrocarbons at the Site should continue to naturally attenuate and should not adversely impact environmental quality, the beneficial uses of groundwater, or pose an unacceptable risk to human health. The case was closed on 8 December 2016 in accordance with criteria contained in the *Low-Threat UST Case Closure Policy*.

- **Archive Record Storage Building, 742 Fulton Street, Fresno, Fresno County**
The site is occupied by a multi-story brick building with a basement, in an area of commercial and light industrial development in downtown Fresno. A UST, reportedly used for fuel oil, was removed from the site basement in September 1992. The UST was located about 9 feet beneath the basement floor. Analytical results of a soil sample collected beneath the floor slab indicated concentrations of total petroleum hydrocarbons diesel and gasoline range constituents.

Site assessment conducted in September 2008 determined that the maximum extent of hydrocarbon migration in soil was within the immediate vicinity of the former UST location, no deeper than 24 feet bgs, and that the remaining mass was equivalent to about 25 pounds of diesel. In October 2009, a soil gas sample detected concentrations of benzene and naphthalene exceeded the California Human Health Screening Levels (CHHSLs) for commercial property.

In February 2016, additional soil and soil vapor sampling and analysis were conducted to determine if the case could meet the criteria for closure contained in the Policy. A comparison of the analytical results from the soil and soil gas samples collected in 2009 with the samples collected in February 2016 demonstrated that concentrations of the constituents of concern (i.e., benzene, ethyl benzene, naphthalene, and carcinogenic PAHs) have degraded by natural processes. Currently, the concentrations of the constituents of concern pose a low threat to human health, safety, and the environment. The case has been evaluated for closure based on the evidence presented in the investigation reports and is qualified for case closure in accordance with criteria contained in the Policy. The case was closed on 18 October 2016.

- **Take 10 Deli Mart, 1400 Dairy Avenue, Corcoran, Kings County**

This case is an active commercial petroleum fueling facility. An unauthorized release was reported in July 2003 following a site investigation. Soil vapor extraction and an air sparging pilot test were conducted in June 2007 for 87 hours, which reportedly removed about 800 pounds of total petroleum hydrocarbons as gasoline (TPHg). The rate of TPHg removal was 10 pounds per hour. Since 2006, 16 groundwater monitoring wells have been installed and monitored. According to groundwater data, water quality objectives have been achieved or nearly achieved.

The petroleum release is limited to soil and shallow groundwater. According to data available on GeoTracker, there are no supply wells or surface water bodies within 1,000 feet of the defined plume boundary. The unauthorized release is located within the service area of a public water system, as defined in the Policy. The affected groundwater is not currently being used as source of drinking water, and it is highly unlikely that the affected groundwater will be used as a source of drinking water in the foreseeable future. Other designated beneficial uses of impacted groundwater are not threatened, and it is highly unlikely that they will be, considering these factors in context to the site setting. Remaining petroleum hydrocarbons constituents are limited and stable and concentrations are decreasing. Any remaining petroleum hydrocarbons constituents do not pose a significant risk to human health, safety or the environment. The case meets the required criteria of the Policy and was closed 17 November 2016.

- **Former Curry Brothers Exxon, 9445 South Highway 41, Lemoore, Kings County**

Formerly an automotive service station, an unauthorized gasoline release to soil and groundwater was discovered during a 1989 investigation of a dispenser piping leak. The UST system was removed during 1997, and diesel and gasoline constituents were also discovered in soil and groundwater beneath the USTs. Site assessments determined that hydrocarbons were concentrated in shallow smear zones over a widespread area onsite. About 2,600 pounds of hydrocarbons were removed from the UST area by excavation during 2015. About 675 pounds of hydrocarbons were removed from the fuel dispenser area during soil vapor extraction (SVE) pilot testing in 2016, and the remaining small hydrocarbon mass in that area should be reduced by natural attenuation. Health risk assessments determined that risk from petroleum vapor and direct contact and outdoor air exposure was less than the level of concern. The remaining effects of the UST release are unlikely to threaten the present use of surface water, groundwater and public health, and should continue to degrade naturally. The case was closed on 8 December 2016, in accordance with criteria contained in the *Low-Threat UST Case Closure Policy*.

b) **REDDING OFFICE**

- **Leroy Hilbers Property, 576/582 Gridley Road E, Gridley, Butte County, Case No. 040121**

A service station operated at the Site from the 1940s until approximately 1970. Two underground storage tanks (USTs) appear to have been removed from the Site in 1992. Confirmation sampling conducted in conjunction with the UST removal indicated that an unauthorized release of petroleum had occurred. In September 1994, Butte County requested a Preliminary Investigation and Evaluation Report (PIER) to determine the extent of contamination. A February 1999 letter from the Central Valley Water Board to the Discharger inquiring about the PIER status went unanswered and the PIER was never completed. In August 2014, soil and water samples collected at the Site indicated minor impacts of total petroleum hydrocarbons as gasoline in the vicinity of the former USTs. Petroleum constituents were not detected in the onsite domestic well. In March and April 2016, results from additional soil, soil-gas, and groundwater samples indicated the presence of degraded gasoline in shallow groundwater around the former UST area. No benzene or fuel

oxygenates were present and concentrations of toluene, ethylbenzene, and total xylenes were generally low. The Site meets the Low Threat Closure Policy and was closed on 30 November 2016.

- **California Ranch Property, Case 40265, Butte County**

The Site is an orchard operation which dispensed gasoline from a single 570-gallon underground storage tank (UST) from about 1931 until its removal in 2003. The Discharger constructed and operated a groundwater extraction system from March 2005 until June 2011, removing 377 gallons of gasoline product. In 13 March 2015, the Discharger submitted a work plan for relocation of an onsite domestic well and a request for closure under the Low-Threat Closure Policy. In June 2015, the domestic well was relocated with UST Cleanup Fund assistance. This removed the final barrier to closure. Destruction of monitoring wells was completed in December 2016. Staff closed the case under the Low Threat Closure Policy in January 2017.

c) **SACRAMENTO OFFICE**

- **Caples Lake Maintenance Station, Highway 88/Schneider Camp Road, Kirkwood, Alpine County**

All Site USTs have been removed or closed in place and all associated below ground product lines and dispensers have been removed. About 160 pounds (23 gallons) of petroleum fuel were removed from the Site via remediation, and about 4 pounds are estimated to remain in groundwater. The extent of the residual petroleum plume is defined and concentrations in groundwater are expected to fall below established WQOs without impacting human health or the environment. No surface water bodies are located within 1,000 feet of the Site. While the Site's domestic well is located about 100 feet northwest of the facility, it is not threatened by the residual petroleum hydrocarbons as they attenuate. Consequently, the remaining petroleum hydrocarbons in soil and groundwater are not a threat to human health or the environment and the cost of any additional active remediation or monitoring is not warranted. This Site was closed on 11/17/2016.

- **California Conservation Corps, 3710 Christian Valley Road, Auburn, Placer County**

This Site and its residual petroleum fuel plume appear to conform with both the general and media-specific criteria outlined in the LTCP for the closure of a UST case. The Site's residual petroleum plume is about 200 feet wide and is naturally attenuating. Constituent concentrations in groundwater beneath the Site remain below historic highs and the residual plume is well defined. The only known receptor is a drainage ditch about 500 feet downgradient from the site and GHH estimates that the petroleum hydrocarbons in groundwater will attenuate before reaching this receptor. Therefore, although concentrations of petroleum fuel remain beneath the Site and within its residual plume, in accordance with the SWRCB's LTCP, Central Valley Water Board staff concurs with GHHs recommendation for Site closure. The Site was closed on 12/16/2016.

- **Shell Branded Service Station, 5500 Florin Road, Sacramento, Sacramento County**

Two periods of petroleum release have occurred at this Site, they are distinguished by the presence of MTBE in the more recent release. This closure addresses the second fuel release only; the first fuel release case was closed on 26 September 2011. The second known fuel release occurred around 2000. Residual groundwater pollution remains in the area less than 100 feet in length from the dispensers and tanks, and decreasing concentrations trends were observed in Site wells. The Site meets the general and site-specific criteria for case closure under the Low Threat Closure Policy. The site was closed on 5 August 2016.

- **Speedbird #1, 4901 47th Avenue, Sacramento, Sacramento County**

The petroleum release was discovered during replacement of 3-10,000 gallon USTs in June 1995. Multiple phases of investigation and remediation were conducted between June 1995 and September 2012. Remedial actions removed more than 29,847 pounds (4,975 gallons) of gasoline, from soil and groundwater. The residual groundwater pollution plume is less than 500 feet in length, the nearest municipal water supply well is approximately 1,900 feet south-southeast of the Site, and decreasing concentrations trends were observed in Site wells. The Site meets the general and site-specific criteria for case closure under the Low Threat Closure Policy. The Site is an active service station, and future land use is not anticipated to change. The site was closed on 12 December 2016.

- Former Mobile Station #99CAS, 75 East Alpine Avenue, Stockton, San Joaquin County**
 The release was discovered during the 1994 removal of two 5,000-gallons and one 6,000-gallon gasoline USTs and one 285-gallon waste oil UST. Multiple phases of investigation and remediation were performed between 1994 and 2011. Remedial actions removed about 14,865 pounds (2,252 gallons) of TPH from soil and groundwater. The residual groundwater pollution plume is less than 250 feet in length. A 2008 sensitive receptor survey reported five water supply wells located within 2,000' of the Site. The nearest well is 720 feet northwest (cross-gradient). Four of the 5 water supply wells were sampled for Department of Public Health between 2001 and 2013, and all results were non-detect for petroleum. The Site meets the general and site-specific criteria for case closure under the Low Threat Closure Policy. The Site is currently composed of two adjacent properties. The eastern parcel of the Site is a paved church parking lot, while the western parcel of the Site is a vacant lot bordering an adjacent residence to the west. The site was closed on 25 October 2016.
- ARCO #4932, 16 Harding Way East, Stockton, San Joaquin County**
 In 1999 ARCO discovered an unauthorized release of petroleum during UST upgrade activities at this retail fueling station. ARCO removed or destroyed about 27,500 pounds of hydrocarbons from the subsurface through excavation and active remediation which included groundwater extraction, soil vapor extraction, and ozone injection. Recent groundwater monitoring data show that the petroleum plume remaining in groundwater currently extends about 200 feet downgradient of the former leaking USTs, is decreasing in size, and will continue to attenuate with time. The site was closed on 16 November 2016.
- ARCO #2130, 7906 El Dorado Street North, Stockton, San Joaquin County**
 In 1991 ARCO discovered an unauthorized release of petroleum from the UST system at this retail fueling station. In 1993 ARCO upgraded the UST system and excavated about 920 cubic yards of petroleum impacted soil. ARCO has removed or destroyed about 9,100 pounds of hydrocarbons from the subsurface through excavation, soil vapor extraction, and air sparging. Recent groundwater monitoring data show that the petroleum plume remaining in groundwater currently extends about 150 feet downgradient of the former leaking USTs, is decreasing in size, and will continue to attenuate with time. The site was closed on 9 November 2016.
- Gillies Trucking Inc., 3931 Newton Road, Stockton, San Joaquin County**
 In 1989 the UST system was removed from this 3.5-acre commercial truck terminal and Gillies discovered an unauthorized release of petroleum. In 1990 the terminal owners excavated about 1,400 cubic yards of petroleum impacted soil, removing about 14,000 pounds of hydrocarbons from the subsurface. The terminal owners began a subsurface investigation following the soil excavation and recent monitoring data show that the petroleum plume remaining in groundwater extends about 145 feet downgradient of the former leaking USTs, is decreasing in size, and will continue to attenuate with time. The site was closed on 9 November 2016.
- Tuolumne Meadows Service Station, Highway 20, Yosemite National Park, Tuolumne County**
 No known USTs remain at the Tuolumne Meadows Service Station, about 10,000 pounds (1,500 gallons) of petroleum fuel were removed from the Site via active remediation, and less than 1 pound is estimated to remain in groundwater. The extent of the residual petroleum plume is defined and concentrations in groundwater are expected to fall below established WQOs without impacting human health or the environment. No water wells are located within 1,000 feet of the Site and the nearest surface water body, an unnamed tributary to the Tuolumne River, is located about 500 feet from the Site. The remaining petroleum constituents are unlikely to pose a threat to human health or further impact waters of the State as they attenuate. Consequently, they do not justify the cost of any additional active remediation or monitoring. This Site was closed on 10/28/2016.
- Tuolumne Meadows Former Fueling Station, Highway 20, Yosemite National Park, Tuolumne County**
 Soil excavation and SVE/AS remediation removed about 3,730 pounds (~601 gallons) of fuel hydrocarbons leaving about 1,000 pounds (~161 gallons) in soil underlying the Site. Petroleum hydrocarbon concentrations in groundwater are declining and are expected to reach water quality goals within 30 years. Public participation was conducted from 29 July 2013 through 27 September 2013 with no comments being received. We concur with the National Park Service and The Johnson Company that this Site is a good candidate for closure under the LTCP. This Site was closed on 12/2/2016.

SITE CLEANUP-SUCCESSFULLY CLOSED-NO FURTHER ACTION REQUIRED

- **Joy Manufacturing Company, Road 196 and Avenue 344, Woodlake, Tulare County**
A no further action determination was issued on 17 November 2016. Joy Manufacturing manufactured plumbing fittings and wastewater from the operation was disposed of to a drainage ditch. The facility ceased operation in 1987. Discolored soil was excavated and a confirmation sample collected from the base of the excavation. No constituents of concern were detected at levels of concern. Central Valley Water Board staff has determined that the site does not pose a threat to groundwater or human health and safety. Water Board staff issued a public notice for closure of the site on 27 September 2016 and no comments were received.
- **Teasdale Quality Foods, 901 Packers Street, Atwater, Merced County**
A no further action determination was issued on 25 January 2017. A fuel oil tank was formerly used at the site and releases from the tank degraded soil and groundwater. Soil was excavated to a depth of 19 feet. Degraded soil below this depth was treated by injecting an in-situ chemical oxidant. Petroleum hydrocarbon concentrations in soil were reduced by 41 percent. Groundwater monitoring indicated diesel in groundwater at low concentrations with a trend of declining concentrations. A report prepared by TRC and signed by a State of California Professional Geologist states that the site meets the requirements of the Low-Threat Underground Storage Tanks Case Closure Policy for being granted No Further Action Status. Staff concurred. A Fact Sheet was distributed to nearby property owners and posted on the Central Valley Water Board website and no comments were received.
- **Pacific Gas and Electric Company (PG&E), Former Antioch Service Yard, Buchanan and Somersville Roads, Southern Parcel, Antioch, Contra Costa County.** Releases of petroleum hydrocarbons to subsurface soil and groundwater occurred on a formerly utilized natural gas service yard in Antioch, CA. The spills were confined to the northern 1.13 acres of the site. The southern 4.77 acres of the site was not impacted by petroleum hydrocarbons as documented by site characterization activities conducted from 1984 through 2016. Therefore, a No Further Action determination letter for the southern parcel was issued to the PG&E on 1 November 2016. (JTM)
- **Pacific Gas and Electric Company (PG&E), Thornton Dehydrator Station, Thornton, San Joaquin County.** PG&E built the Thornton Dehydrator Station in 1962 and formerly operated it to dehydrate and odorize natural gas for transport in its distribution system. During routine operations, spills of petroleum compounds occurred. Investigations and remedial actions have been performed at the Site since 1992 and current concentration trends indicate water quality objectives will be achieved within a reasonable period of time. Threats to human health and the environment are insignificant. Therefore a No Further Action determination letter was issued to PG&E on 18 November 2016. (JTM)
- **Remedial Action Plan and Remedial Action Workplan, Pacific Gas and Electric Company (PG&E), Former Antioch Service Yard, Buchanan and Somersville Roads, Northern Parcel, Antioch, Contra Costa County.** PG&E submitted a combined remedial action plan and remedial action workplan to excavate petroleum-contaminated soil from 0-6.5 feet below ground surface at their Antioch Service Yard site, Northern Parcel. The excavation will also require the destruction of select monitoring wells and soil vapor probes which will be replaced once excavation activities are completed and monitoring resumes. Concurrence with the proposed remedial action plan and remedial action workplan was granted on 22 November 2016. Soil excavation activities are expected to begin in Spring 2017.

STAFF RECOGNITION

SUPERIOR ACCOMPLISHMENT AWARDS

At the December 5/6, 2016 Board Meeting, Executive Officer Creedon presented Superior Accomplishment Awards to the following staff:

SACRAMENTO OFFICE

Candidate: Christine Joab
Unit: Non- Point Source
Title: Environmental Scientist
Supervisor: Michelle Wood

Christine Joab is an Environmental Scientist in the Rancho Cordova Office's Nonpoint Source Unit. Christine's projects include the Dissolved Oxygen TMDL and Delta Nutrients, she is also the Central Valley Regions blue-green algae coordinator. She is being recognized for her outstanding and tireless efforts to coordinate Water Board responses to harmful algal blooms.

As the harmful algal blooms coordinator, Christine has been instrumental in developing a consistent region-wide process that can quickly be used by any staff to document incoming bloom reports. When Christine receives a bloom report, she quickly coordinates with local public health agencies to determine if they have the resources needed to evaluate the potential toxicity of the bloom and to notify the public of potential safety concerns. Where local agencies are lacking resources, Christine quickly coordinates with staff across our three offices to conduct sampling, and then works with management and the Office of Public Affairs to issue press releases. So far this bloom season, Christine has coordinated 17 blooms responses to 17 different blooms, with a high level of professionalism, technical skill, and caring attitude.

Throughout her efforts, Christine has expressed her ongoing gratitude and appreciation for the team of Water Board staff and managers who work together to respond to the harmful algal blooms.

FRESNO OFFICE

Candidate: Patrick Barnes
Unit: Irrigated Lands Regulatory Unit
Title: Environmental Scientist
Supervisor: Dan Warner

Patrick Barnes is the primary staff person who coordinates enforcement activities for the Irrigated Lands Regulatory Unit in the Fresno office. Enforcement begins with a site inspection and implements progressive enforcement, which results in an Administrative Civil Liability Complaint if a settlement is not reached. Patrick's work in the previous quarter resulted in five ACLCs and one proposed settlement. Patrick prepared the ACLCs, and scheduled and participated in all settlement meetings.

As part of his duties, Patrick communicates with hundreds of farmers by telephone, e-mail, or driving out to meet with them face-to-face on their farms. Patrick is patient, unfailingly polite, and represents the Board well in many difficult conversations. Most of the growers Patrick has contacted have enrolled in the Irrigated Lands Regulatory Program without requiring further enforcement action.

During the same period, Patrick helped orient two new staff in the enforcement aspects of the program, all while overseeing the work and needs of two grower coalitions in the Tulare Lake Basin Area.

REDDING OFFICE

Candidate: Melissa Buciak
Unit: Ground Water Unit
Title: Engineering Geologist
Supervisor: Kate Burger

Melissa Buciak is an Engineering Geologist with the Redding Office's Groundwater Unit who primarily works on the Compost General Order and Underground Storage Tank (UST) Program cases. She also handles Site Cleanup Program and Land Disposal Program cases.

Melissa volunteered to be the Redding office's lead staff on the Compost General Order and is the case manager for the eight compost facilities handled out of the Redding office. As preparation for implementation of the General Order, Melissa visited each facility to learn about their process and to establish working relationships with facility and County representatives. By mid-September, Melissa had issued four Notices of Non-Applicability, two Notices of Applicability, and two 13260 Orders. Also in September, she prepared a package to rescind the individual WDRs for one of these facilities. As a result of an August inspection conducted in response to a complaint, she identified another compost facility and issued a letter explaining the enrollment process and the need for compliance with the General Order.

Melissa is currently responsible for 25 UST program cases, and works on some of the most recalcitrant cases managed by the Redding office. In August she drafted a Cleanup and Abatement Order for one such case. Her experience with enforcement on UST cases is a great resource for her co-workers when they encounter similar cases. Melissa is always willing to discuss potential approaches and provide example language.

One UST case involving impacted domestic wells, has required a lot of Melissa's time in recent months. She has been working with the Discharger's consultant to evaluate the remediation system, issued a 13267 Order associated with a discharge violation, and reached out to residents to explain the site status. In addition, she worked closely with a homeowner who needed assistance locating a new domestic well in an area outside of the groundwater plume, and subsequently to help them understand the source of pollutants observed in the initial samples from the well.

Melissa's work on these projects has shown initiative, creativity, including well-researched recommendations.

EMPLOYEE OF THE MONTH AWARD

FRESNO OFFICE OCTOBER

Candidate: John D. Whiting
Title: Engineering Geologist
Unit: Underground Tank Unit, Fresno Office
Supervisor: Shelton R. Gray, Senior Engineering Geologist

John has been with the Board in the Underground Tank unit as a full time staff geologist for many years after leaving consulting work. He is always professional when dealing with the public, other staff, and consultants and responsible parties for the 50-plus projects he is assigned to. He is productive and consistently works to increase his knowledge of both the technical and regulatory aspects of the Underground Tank program.

John is responsible for Emergency and Recalcitrant and Orphan Account cases, for which he has prepared affidavits for site access warrants. He is also the project geologist for a groundwater remediation project involving

a 2000-foot MTBE plume, likely the largest in the state, which includes two opposing sets of attorneys and two opposing sets of consultants. Accomplishments last month include two site closures, several reviews of groundwater monitoring remediation reports, review of two well installation reports, and review of a well replacement plan.

John is a consistent and exceptional professional geologist who oversees and mentors other technical staff in the unit; he is easy to work with, and a pleasure to know. His dedication to the Board's mission is evident and appreciated. For his continued hard work and productivity, John is very deserving of this recognition.

REDDING OFFICE OCTOBER 2016

Candidate: Doug Barber
Unit: NPDES Unit, Redding office
Supervisor: Jeremy Pagan
Title: Water Resource Control Engineer

Doug Barber is a Water Resource Control Engineer working in the NPDES Unit of the Redding Office of the Central Valley Water Board. Doug has been with the Central Valley Water Board for just over two years; he was previously a consulting engineer for a well-respected engineering firm.

Doug does a tremendous job balancing his work load and various demands for his time while making key contributions to the unit, including writing NPDES permits, conducting compliance inspections, pursuing enforcement actions, and participating in key public outreach activities. During 2016, Doug has written three NPDES permits, in addition to managing other components of the NPDES program workload. This is an exceptional accomplishment and is a testament to Doug's ability to work efficiently and manage competing priorities. In addition to his commitments in the office, Doug also regularly attends public outreach events, participates in the Sacramento Valley Section of the California Water Environment Association (CWEA), and spends some time volunteering in the community.

Doug is dependable, hardworking, ambitious, and consistently exceeds expectations. He has developed good relationships with the regulated community and is highly respected among his peers. Doug is a team player and valuable staff person who plays a significant role in the accomplishments of the NPDES Unit. His contributions to the unit and to the Central Valley Water Board are most appreciated.

SACRAMENTO OFFICE OCTOBER

Candidate: Xuan (Shuen) Luo
Unit: San Joaquin/Delta NPDES Permitting Unit
Title: Water Resource Control Engineer
Supervisor: Jim Marshall

Xuan (Shuen) is being recognized for her outstanding work performance in the NPDES permitting section. Xuan started with the Water Board two years ago and has been a great addition to the NPDES permitting section. The quality of her work is top notch. She is a fast learner, has good writing skills, makes few errors, and completes work quickly. In just her first 18 months she completed 5 permit amendments and 2 renewals, including the Regional San renewal. Xuan's most impressive attributes are her confidence and ability to take on difficult projects. For example, although only with the Board a short time, she volunteered for the Regional San permit renewal, which could be intimidating to even veteran permit writers. She had no problem juggling the permit renewal and the ongoing litigation with the previous permit. She did an outstanding job handling the complex issues and the permit was adopted on schedule. Currently she is assisting Basin Planning staff with an ammonia Basin Plan amendment, which is another example of her versatility and ability to handle just about anything.

For this and much more, Xuan is receiving this month's employee recognition award.

Candidate: Robin Merod
Unit: Non 15 Permitting
Title: Water Resources Control Engineer
Supervisor: Scott Armstrong

Robin Merod is a Water Resources Control Engineer working in the Central Valley Water Board's Rancho Cordova office. Robin is responsible for writing Waste Discharge Requirements in the Non-15 Waste Discharge to Land Permitting Unit. Robin also routinely develops and updates various guidance templates for the preparation of WDRs and NOAs, which has made him well versed in reciting Title 22 requirements for recycled water, the Water Code, and the Water Board's Anti-Degradation Policy.

Recently, Robin did an outstanding job preparing WDRs for wastewater discharge from two research laboratories at UC Davis, and the City of Mendota He is currently reviewing Local Agency Management Plans for Onsite Wastewater Treatment Systems, which were developed by several counties in the Central Valley Region. In his spare time, Robin can be found immersed in calculating complex groundwater statistics to identify and evaluate sources and trends of adverse impacts.

Robin consistently demonstrates a high degree of proficiency in his work while maintaining a friendly and professional disposition. Robin's contributions to the Waste Discharge to Land Permitting Unit are greatly appreciated.

**FRESNO OFFICE
NOVEMBER 2016**

Candidate: Doug Wachtell
Unit: Oil Field Unit
Title: Engineering Geologist
Supervisor: Alan Cregan

Doug Wachtell is an Engineering Geologist working in the Central Valley Water Board's Fresno office. In November 2016 Doug completed a written evaluation of an Aquifer Exemption Application for South Belridge oil field to evaluate whether it meets State and federal criteria for the protection of water quality. These applications often include hundreds of pages of technical information requiring review. He also assisted junior staff in the review of staff written evaluations of Aquifer Exemption applications from the Division for several other oil fields in Western Kern County. Doug also completed substantial work on a settlement agreement for an illegal discharge of oil field produced water to land. Doug is a great technical resource for new staff.

Doug always has a positive attitude and is willing to rise to new challenges. He is being recognized as the employee of the month for his work in oil fields.

**REDDING OFFICE
NOVEMBER 2016**

Candidate: Robin Bumbaugh
Unit: WDR Unit, Redding office
Nominator: George R. Low
Title: Scientific Aid

Robin is being nominated for her contributions to the Redding office, and specifically the WDR Unit. Robin was hired by the Central Valley Water Board in October 2015 as a Scientific Aid and has since proven to be a valuable employee and coworker.

Currently Robin divides her time by assisting the administrative staff and WDR unit staff. She has helped WDR unit staff with case work data management which includes uploading and managing documents and data in to our CIWQS and ECM databases. Additionally she has also assisted staff in compiling and analyzing water quality data for various facilities.

In Robin's first year with the Water Board she has assisted staff in a number of site inspections, some of which included water quality sampling. She has also authored site inspection reports for a few of the inspections she participated in. In addition to inspection reports she has also assisted staff in drafting WDR rescission and General Order NOA packages as well. Robin also assists staff with administrative activities as well.

Robin is a positive, consistent, well organized, conscientious, and thorough in her work. Her work attitude and dedication are appreciated. The Redding office and especially the WDR unit greatly benefits from Robin's dedication and hard work.

**SACRAMENTO OFFICE
NOVEMBER 2016**

Candidate: Siddharth Sewalia
Unit: Private Sites Cleanup
Title: Water Resources Control Engineer
Supervisor: Steve Meeks

Sid is a Water Resource Control Engineer with over 10 years of environmental experience in both the public and private sector. He has been working in the Site Cleanup Program at the Central Valley Water Board since 2008. During his time at the Board, Sid has proven to be an extremely valuable and innovative employee. He has successfully managed large and complex projects to completion and is an excellent communicator who works well with our stakeholders and the public to ensure that sites are fully characterized and remediated to Water Board standards.

One example of the many complex sites that Sid is working on is the regulatory over-sight at the Former J.R. Simplot facility in Winton. The site is a pesticide distribution facility with a large plume of 1,2,3-TCP (Trichloropropane) in groundwater. Contamination from the site has affected several domestic wells in the area and a municipal well that is owned and operated by the City of Winton. Sid has worked with the responsible parties and the city to ensure that the homes with impacted domestic wells have been properly protected by providing water replacement and/or well-head treatment. Sid is currently working with the responsible parties, to ensure they design and implement a remediation approach that will meet Water Board requirements. He is also working with the City and responsible parties to fund and install a well head treatment system for City customers that, when completed will provide up to 1,800 gallons per minute of clean drinking water to thousands of customers in the City of Winton. In the long term Sid will continue to work with the responsible parties and the City to create an all-encompassing remediation plan that will restore the groundwater beneficial uses and protect the public from all impacts of pesticides emanating from the site.

In addition to his project work Sid is also supporting our efforts to clean up GeoTracker backlog sites under the SB 445 program. This activity has aided in the proper assignment and ranking of numerous cases for evaluation and cleanup.

Sid is a great regulator, advisor, and coworker who ensures that technical work is accurate, complete and protective. He is fair with all parties and works well with stakeholders, and the public, to protect the waters of the state and to remediate highly contaminates sites so they can be put back into safe and productive use for our communities.

**SACRAMENTO OFFICE
NOVEMBER 2016**

Candidates: Brett Stevens, Wesley Quimette, Terry Bechtel and Keri Yee
Unit: Irrigated Lands Compliance and Outreach Unit
Title: Various
Supervisor: Sue McConnell

The Irrigated Lands Compliance and Outreach unit in our Rancho Cordova office includes Wesley Quimette, Terry Bechtel, and Keri Yee, and is led by Brett Stevens. This team has the significant task of tracking down growers who have not enrolled in the Irrigated Lands Regulatory Program, and enforcing on coalition members who have not complied with the Irrigated Lands Orders. Brett, Wes, Terry and Keri worked diligently to prepare

materials needed to bring 9 enforcement cases to the Board's Hearing Panel in November. These cases involved both lack of enrollment and failure to submit reports. The Hearing Panel process was new to the Irrigated Lands team and required working on more enforcement cases in parallel than has ever been done. This required tremendous organization and hard work on their part.

The team successfully compiled the necessary evidence, met the various deadlines, and presented the items to the Hearing Panel in November. For their tremendous dedication and effort, they deserve to be recognized as employees of the month.

The success of the Irrigated Lands Regulatory Program is dependent on growers enrolling in the program and complying with the Order requirements. This team of dedicated professionals enhanced the success of the Program with the hard work they put into the November Panel Hearings.

FRESNO OFFICE DECEMBER 2016

Candidates: Jackie Gonzales
Unit: Administration
Title: Office Assistant
Supervisor: Lonnie Wass

Jackie has worked for the Central Valley Water Board as an office assistant for full time for almost two years and as a part time temporary assistant a year prior to that. For many months, Jackie was the sole front office person for the entire 71 full time staff in Fresno office, serving as its receptionist, typist, distributor of mail, filing, assisting with agenda preparation, and many other duties.

Jackie is a pleasure to work with. She always has a smile on her face and willing to help the public and all staff. She is never tardy and very diligent about working her shift. She is open to change and always looking for ways to do things better. She is a model example for state service and an excellent representative of the board as the first face one sees when visiting the Fresno office. For these reasons and many more, she is very deserving of the recognition.

REDDING OFFICE DECEMBER 2016

Nominee: Ronna Bowers
Unit: Timber Unit
Title: Engineering Geologist
Supervisor: Ben Letton

Ronna is being nominated for her overall contributions to the Redding office and her outstanding work in the Timber Unit. Ronna was hired by the Central Valley Water Board in April 2016 as an Engineering Geologist and has since proven to be a valuable employee and coworker.

Ronna oversees review of Timber Harvest Plans (THP) in Modoc and Lassen counties and has been very helpful in assisting other staff in other counties like Shasta. She has demonstrated a high degree of competency and skill and work performance given a variety of challenging tasks with no prior work experience with the Water Board. Her recent work on a complex rural road issue in Shasta County was outstanding and will result in a direct improvement to water quality.

From day one Ronna has demonstrated a vast knowledge in assessment and inventory methods of rural roads and utilization of Best Management Practices (BMP) to address sediment delivery to watercourses and other waterbodies. She has great enthusiasm for the work that we do in the Forest Activities Program and has quickly become a valuable asset to the team.

In addition to her technical skills, Ronna has great work ethic, is well organized, thorough in her work, and has an overall great attitude. The Redding office and especially the Timber Unit greatly benefits from Ronna's dedication and hard work.

**SACRAMENTO OFFICE
DECEMBER 2016**

Candidates: Taylor Diamond and Spencer Kelley
Unit: NPDES Compliance and Enforcement
Titles: Scientific Aids
Supervisor: Kari Holmes

Over the last several months, Taylor and Spencer have been asked to step in and support a unit with an extremely large workload that has been short a staff person. They assist the NPDES Unit's compliance and enforcement staff in reviewing technical reports, collecting and analyzing data to determine compliance with effluent limits and permit requirements, drafting monitoring report letters, assisting staff with case files and maintaining localized databases. Their timely and accurate contributions have greatly improved the production of the unit, especially while the unit has been understaffed.

Taylor and Spencer are receiving the Employee Recognition Award for their ability and willingness to jump into new projects, quickly get up to speed with the unit's protocols, constant helpfulness, productivity, and willingness to take on new challenges.

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

Danielle is an engineer in the San Joaquin/Delta NPDES permitting unit and is being recognized for her outstanding work. Danielle has been with the Water Boards for over 11 years and with the Regional Board for just under 2 years. Danielle has taken on several special projects in this short amount of time in addition to her permitting activities. Danielle is a fast learner and produces high quality work products.

Danielle's positive attitude and willingness to jump in and help on high priority projects makes her a pleasure to work with. Over the past year Danielle has been working on the chronic toxicity, environmental performance measures and climate change special projects in addition to working on permit renewals. Over this time Danielle has also taken the lead in updating the region's NPDES permit template.

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 2016-2017 performance targets http://www.waterboards.ca.gov/about_us/docs/resource_alignment_report.pdf.

Below is the Region 5 Performance Measurement Summary for the 2016-17 fiscal year. This report was produced with data through 53% of the current fiscal year.						
Region 5 Performance Measurement Summary from 1 July 2016 to 24 January 2017						
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	5	1	20%	n/a	n/a	The majority of NPDES permits are scheduled for the latter half of the fiscal year.
Major Individual Facilities Inspected	25	11	44%	n/a	11	The majority of NPDES inspections are scheduled for the latter half of the fiscal year.
Minor Individual Permits Issued, Revised, and Renewed	11	3	27%	n/a	n/a	The majority of NPDES permits are scheduled for the latter half of the fiscal year.
Minor Individual Facilities Inspected	16	7	44%	n/a	7	The majority of NPDES inspections are scheduled for the latter half of the fiscal year.
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	25	8	33%	24	n/a	In the first half of the fiscal year staff have been reviewing Local Area Management Plans (LAMPs) submitted by local agencies in response to the Onsite Wastewater Treatment systems (OWTs) policy. Staff still anticipate meeting the current fiscal year's permitting target.
Municipal Waste, Industrial Waste, and All Other Facilities - Number of Inspections	165	90	59%	n/a	98	
Land Disposal						
Landfills Permits Issued, Revised, and Renewed	11	1	9%	n/a	n/a	One WDR was adopted in December; three are scheduled for February; five for April; and two in June, in accordance with the Program Workplan.
Landfill Inspections	104	49	57%	n/a	59	
All Other Permits Issued, Revised, and Renewed	2	0	0%	n/a	n/a	
All Other Inspections	20	18	105%	n/a	21	
NPDES Storm Water						
Stormwater Construction Inspections	385	209	65%	n/a	249	
Stormwater Industrial Inspections	195	106	55%	n/a	107	
Stormwater Municipal Inspections	0	0	N/A	n/a	0	
Other Programs						
Forest Activities Inspections	166	72	45%	n/a	75	It is anticipated that the target will be met.
Confined Animal Facility Inspections	280	106	41%	n/a	116	Staff is accelerating inspections during the rainy season and anticipate meeting the target.
Clean Up						
New DoD Sites Into Active Remediation	15	2	13%	n/a	n/a	A large percentage of DoD sites are scheduled to initiate remediation in the fourth quarter of the current fiscal year.
New SCP Sites Into Active Remediation	84	12	14%	n/a	n/a	A large percentage of SCP sites are scheduled to initiate remediation in the fourth quarter of the current fiscal year.
Cleanup Program Sites Closed	68	56	82%	n/a	n/a	A significant number of sites at the McClellan AFB that were targeted for closure in the 15/16 fiscal year were closed early in the 16/17 fiscal year.
New UST Sites Into Active Remediation	29	22	76%	n/a	n/a	
Underground Storage Tank Sites Closed	80	41	51%	n/a	n/a	
* Actuals: Number of facilities inspected or permits issued.						
** Total #: Number of inspections completed including all reinspections.						

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.

Compressed Administrative Civil Liability Process

In the second fiscal quarter (October through December) of the 2016-17 Fiscal Year, Compliance and Enforcement staff issued three *Offers to Settle Administrative Civil Liabilities (ACLs)*, all alleging violations of the *General Permit for Storm Water Discharges Associated with Construction and Land Disturbance Activities, Order 2009-0009 DWQ*. This effort was developed as an initiative to address violations that Central Valley Regional Water Quality Control Board (Regional Board) staff would otherwise not have time to address. These “Compressed” ACLs were all expedited in substantially less time and resources than traditional ACLs typically require. Regional Board staff implemented this Compressed ACL process as a pilot project for the Construction Stormwater program. However, Regional Board staff are looking to implement this initiative to other programs—specifically, Irrigated Lands and the Confined Animals—in the third quarter of the current fiscal year.

Specific details associated with the three Compressed ACLs that were issued are included below in *Enforcement Table 1*. The ACLs can be found at:

http://www.waterboards.ca.gov/centralvalley/board_decisions/

- 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 and that are recorded in the California Integrated Water Quality System (CIWQS) database.

Enforcement Table 1 – Region 5 Enforcement Orders (1 November 2016 through 23 January 2017)

Date	Agency	County	Notes
11/2/2016	Town of Discovery Bay CSD	Contra Costa	Stipulated Order R5-2016-0565 issued for \$180,828 replaces Administrative Civil Liability (ACL) Complaint R5-2014-0542. ACL Complaint R5-2014-0542 was issued in the amount of \$271,320 for a discharge of 534,181 gallons of partially treated wastewater to Old River. The Complaint alleged that the Discharger violated provisions of Waste Discharge Requirements (WDRs) Order R5-2008-0179-01 (NPDES CA 0078590).

Enforcement Table 1 (cont.)

Date	Agency	County	Notes
11/21/2016	Robert and Prudence Lammers Revocable Trust	Shasta	California Water Code (CWC) Section 13267 Investigative Order requiring two (2) winter period effectiveness evaluations be submitted to the Central Valley Regional Water Board on or before 15 June 2017. This Order is associated with site stabilization efforts following unlawful discharges of waste into waters of the State.
11/21/2016	SimonCRE Raylan III LLC	Amador	On 21 November 2016 the Assistant Executive Officer to the Central Valley Regional Board issued an <i>Offer to Settle Administrative Civil Liability</i> alleging violations of the <i>General Permit for Storm Water Discharges Associated with Construction and Land Disturbance Activities</i> . On 20 December 2016 SimonCRE Raylan III LLC accepted the Regional Board's offer in the amount of \$55,297.
11/29/2016	City of Galt	Sacramento	ACL Order R5-2016-0566 replaces ACL Complaint R5-2016-0516. The Discharger shall remit payment of \$46,500 to SWRCB. The remaining \$46,500 shall be paid to the Rose Foundation for Communities and the Environment (Rose Foundation) for a Supplemental Environmental Project (SEP). The Discharger shall also pay \$1,395 to the Rose Foundation for oversight of the SEP. ACL Complaint R5-2016-0516 was issued in the amount of \$18,000 for mandatory minimum penalty (MMP) effluent limitation violations that occurred between 1 May 2013 and 31 December 2015. The Complaint alleged four total recoverable copper violations and two arsenic violations.
12/2/2016	Kyle Terborg	Shasta	Cleanup and Abatement Order (CAO) R5-2016-0716 requiring clean up of earthen materials, soil, and sediment that are discharging or threatening to discharge to tributaries of the South Fork of Clear Creek. The discharges (and/or threatened discharges) are the result of excessive grading, road construction, and poor road maintenance all performed in order to facilitate the cultivation of cannabis.
12/5/2016	Hughson Nut, Inc.	Stanislaus	CWC Section 13267 Investigative Order (13267 Order) issued to address a number of violations. The 13267 Order requires: resubmission of omitted data, and/or rationale for omissions; and newly-required reports to address inadequacies noted in monitoring reports.
12/5/2016	CMC Landholdings LLC	Stanislaus	ACL Order R5-2016-0084 replaces ACL Complaint R5-2016-0539. ACL Order R5-2016-0084 was issued for \$308,480 due to an unauthorized discharge of 129,048 gallons of dairy wastewater from a dairy pond to groundwater.

Enforcement Table 1 (cont.)

Date	Agency	County	Notes
12/6/2016	Joe Silveira	Merced	ACLO R5-2016-0085 issued in the amount of \$26,520 replaces ACL Complaint R5-2016-0547 for failure to submit the 2013, 2014 and 2015 Farm Evaluations as required by the East San Joaquin Order.
12/6/2016	J&V Revocable Trust	Fresno	ACL Order R5-2016-0086, in the amount of \$27,885, replaces ACL Complaint R5-2016-0513 for failure to join a coalition or enroll in the Irrigated Lands Regulatory Program.
12/13/2016	City of Sutter Creek	Amador	On 13 December 2016 the Assistant Executive Officer to the Central Valley Regional Board issued an <i>Offer to Settle Administrative Civil Liability</i> (Settlement Offer) alleging violations of, both, the <i>General Permit for Storm Water Discharges Associated with Construction and Land Disturbance Activities, Order 2009-0009 DWQ</i> as well as <i>Clean Water Act Section 401 Technically Conditioned Water Quality Certification</i> . The Settlement Offer is in the amount of \$86,112.
1/6/2017	County of Tuolumne	Tuolumne	On 6 January 2017 the Assistant Executive Officer to the Central Valley Regional Board issued an <i>Offer to Settle Administrative Civil Liability, in the amount of \$131,464</i> , alleging violations of the <i>General Permit for Storm Water Discharges Associated with Construction and Land Disturbance Activities, Order 2009-0009 DWQ</i> .
1/6/2017	City of Corning	Tehama	ACL Complaint R5-2017-0500 issued in the amount of \$3,000 for one MMP effluent limit violation.
1/6/2017	Collins Pine Company	Plumas	ACL Complaint R5-2017-0501 issued in the amount of \$3,000 for one MMP effluent limit violation.

3) **Enforcement Update** – Enforcement Table 2, included below, summarizes the enforcement actions issued in all the Regions since the last EO Report. From a statewide perspective, Region 5 was responsible for 46% of all the enforcement actions tracked in CIWQS during this period including 56% of all NOV's and 26% of all ACL's.

Enforcement Table 2 – Statewide Enforcement Actions (1 November 2016 through 23 January 2017)

Region / Office	Enforcement Actions							
	VER	SEL	NOV	13267	NNC	CAO	ACL	Total
1	0	2	0	0	0	1	2	5
2	3	10	0	0	0	1	6	20
3	0	0	9	0	0	0	5	14
4	0	0	57	1	45	0	16	119
5F	1	1	19	0	0	0	1	22
5R	2	0	4	1	0	1	2	10
5S	15	0	64	1	105	0	7	192
RB5 Total	18	1	87	2	105	1	10	224
6	1	2	0	0	0	0	0	3
7	0	5	0	0	0	0	0	5
8	12	18	2	0	26	0	0	58
9	1	35	0	0	0	0	0	36
Total	35	73	155	3	176	3	39	484
Enforcement Actions:								
VER = Verbal Communication				CAO = Cleanup and Abatement Order				
SEL = Staff Enforcement Letter				CDO = Cease and Desist Order				
NOV = Notice of Violation				ACL = Administrative Civil Liability				
13267 = Water Code Section 13267 Investigative Order								
NNC = Notice of Non-Compliance (Stormwater)								

Leaking Underground Storage Tanks – Enforcement

B&N Mini Mart (Case 2), 576/582 Gridley Road E, Gridley, Butte County, Case No. 040121

B&N Mini Mart operated a service station with four USTs, one of which was removed in 1992 (Case 1). The three remaining USTs (one 10,000 gallon gasoline tank, one 6,000 gallon gasoline tank, and one 6,000 gallon diesel tank) remained in operation until 1998, and were removed in February 2000 (Case 2). Soil samples collected during tank removal activities showed elevated concentrations of total petroleum hydrocarbons as diesel, total petroleum hydrocarbons as gasoline, benzene, toluene, ethylbenzene, xylenes, and methyl tert butyl ether. Since 2000, Butte County Division of Environmental Health and the Central Valley Water Board have made several attempts to have the Discharger implement a preliminary site assessment and provide the associated technical report. On 23 August 2016, the Executive Officer of the Central Valley Water Board sent the Discharger a draft Cleanup and Abatement Order (CAO), providing the Discharger with an opportunity to submit comments on the draft order. No comments were received. On 27 December 2016, the Executive Officer of the Central Valley Water Board issued final CAO No. R5-2016-0715 to the Discharger requiring cleanup and abatement of the effects of pollution and nuisance originating at the Site.

SANITARY SEWER OVERFLOWS, COMPLAINTS AND SPILLS

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

There was one SSO event resulting in a spill in excess of 50,000-gallons between August and November of 2016.

City of Modesto Collection System, Stanislaus County

On 28 October 2016, a member of the public notified the City of Modesto Director of Utilities of the Sanitary Sewer Overflow (SSO). According to the documents updated to the Water Boards' CIWQS database, the SSO occurred because of "...wastewater flows exceed[ing] the capacity of the pipeline...due to extremely intense rainfall of 1.2 inches in a three-hour window". The spill occurred at two locations (Beardbrook Park and 7th Street) and was estimated to be 464,187 gallons based on visual observations of the spill (Beardbrook Park) and visual observations of the volume released (7th Street). Regional Board staff issued a Compressed Administrative Civil Liability (ACL) and Offer for Settlement in the amount of \$185,186 for this release on 25 January 2017. (A description of the Central Valley Regional Board's new Compressed ACL initiative is included in the Enforcement Summary section of this Report.)

For this reporting period, there were **551** total SSO spills: **22** Category 1, **11** Category 2, and **486** Category 3. 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/ssso/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 is 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 Database: <https://calepacomplaints.secure.force.com/complaints/>.

In 2016, the Central Valley Water Board received **160** complaints from the CalEPA Complaint database, of which **150 (94%)** have been investigated and closed, or referred to another environmental enforcement agency. Investigations for the remaining **10** complaints received this year are ongoing.

In December of 2016, Regional Board staff implemented a database that all Senior and above staff from all three offices can access for the purpose of tracking complaints. An additional six complaints have been received and are being tracked using this spreadsheet. Additional updates on this effort will be forthcoming in future EO Reports.

SPILLS

- **Madera County #24 - Teaford Meadow Lakes WWTF, Bass Lake Area, Madera County**
On 30 December 2016, the Madera County Public Works Department reported to the Governor's Office of Emergency Services a spill of secondary-treated and disinfected wastewater effluent from the Teaford Meadow Lakes Wastewater Treatment Facility (WWTF). The spill occurred because of a break in a sprayfield sprinkler riser. Effluent discharging from the broken sprinkler riser spilled to the surrounding area. The flow reached a seasonal creek, which was naturally flowing at the time of the spill. The estimated spill volume was 8,000 gallons, based on flow readings in the days leading up to the spill. Central Valley Water Board staff inspected the facility and is considering enforcement options.
- **Union Pacific Railroad Roseville Diesel Release to Dry Creek Resolved with Emergency Response, Placer County.** On 27 December 2016, a citizen observed diesel fuel on Dry Creek in Roseville and notified Placer County Hazardous Materials Unit (PCHMU). PCHMU staff observed that the fuel originated from a storm water channel outlet at the Union Pacific Railroad (UPRR) yard and extended downstream to Elverta Road, a distance of about 6 miles. Multiple regulatory agencies, including the Central Valley Water Board Cleanup Unit, responded to oversee emergency response to the spill. Emergency Response teams placed booms at multiple locations across Dry Creek and used a vacuum truck to capture diesel fuel from the channel outlet. The release consisted of about 2,300 gallons of red dyed-diesel fuel that escaped from a locomotive fuel valve over the holiday weekend. After emergency measures were in place, UPRR removed sections of two tracks, excavated ballast and soil beneath the track, embankment, and earth drainage-way, and hydro-jetted culverts and a rip-rap-lined stormwater channel leading to dry creek. Rinsate was captured with a vacuum truck until the sheen only appeared sporadically. Confirmation samples were obtained and a report is forthcoming. (AST)
- **Madera County #2 - Bass Lake WWTF, Madera County #6 - Lake Shore Park WWTF, Madera County #8A - North Fork WWTF, Bass Lake and North Fork, Madera County**
In early January 2017, the Madera County Public Works Department staff contacted Central Valley Water Board staff to report issues due to storm events at the Bass Lake, Lake Shore Park, and North Fork Wastewater Treatment Facilities (WWTFs). Central Valley Water Board staff inspected the WWTFs and found all three in violation of their Waste Discharge Requirements (WDRs). Staff observed that all three facilities had high influent flow due to storm water infiltration and also observed that spray fields at the Bass Lake and Lake Shore Park facilities were in use during precipitation events. Notices of Violation and consideration of enforcement options are in progress by Central Valley Water Board staff.
- **Madera County #22A-Oakhurst WWTF, Oakhurst, Madera County**
On 12 January 2017, the Madera County Public Works Department reported to the Governor's Office of Emergency Services a spill of secondary-treated and disinfected wastewater effluent from the Oakhurst Wastewater Treatment Facility (WWTF). The spill occurred because of a break in a force main connecting the WWTF to a large effluent storage reservoir. Effluent stored in the reservoir drained through the break and spilled to the surrounding area. The flow reached the Fresno River, a water of the United States, which was naturally flowing at the time of the spill. The estimated spilled volume was 1.175 million gallons, based on the last known volume of effluent stored in the reservoir. Central Valley Water Board staff responded and observed the ongoing spill, the effluent path to the river, and effluent discharging into the river. A similar spill was reported in the Executive Officer's report for the December 2016 Board Meeting. A Notice of Violation and consideration of enforcement options is in progress by Central Valley Water Board staff.
- **Railroad Storm Damage, Plumas County**
On 9 January 2017 the Central Valley Water Board Redding Office was notified by Arcadis, Inc. (Arcadis) that the Union Pacific Railroad (UPRR) track at Mile Post (MP) 317.4, located approximately 4 miles west of the City of Portola in Plumas County, that spans over an unnamed tributary adjacent to the Middle Fork of the Feather River had a culvert washout. The washout blew out a 48 inch culvert which in turn eroded all of the earthen material under the main line track producing a 60 foot chasm underneath the existing track. This area had been inundated during the prior 48 hours with twelve inches of precipitation. Arcadis requested permission to move forward with the repair of the culvert by replacing the lost culvert with two 80 foot long 48 inch culverts and then building up the area that had been washed out (approximately 3,000 square feet) with

rock slope protection so as to be able to reopen the rail line to serve California's rail commerce. On 11 January 2017 Central Valley Water Board was notified by Arcadis that a second UPRR culvert had blown out at MP 252.1 near the Town of Tobin, Plumas County. The washed out culvert was approximately 80 feet in length and 36 inch diameter. This culvert will be replaced with a 100 foot long and 48 inch diameter culvert. UPRR complied with emergency notification requirements, and Central Valley Water Board staff will be issuing after-the-fact Section 401 water quality certifications for both of the culvert replacements due to the fact that both of these culvert wash outs have closed the main line between Portola and Oroville. One million dollars is lost for each day that the rail line is shut down.



DELTA ACTIVITIES

1. **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 (CDPH), the Delta Conservancy, and the Office of Environmental Health Hazard Assessment (OEHHA). 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.

The MERP Steering Committee (comprised of staff from the four collaborating agencies) met on 19 December 2017 to coordinate the implementation of various components in the 2017 Activity Plan. Posting of the new advisory signs developed by MERP for the Delta is scheduled to take place in spring 2017. Delta Conservancy staff is currently coordinating with stakeholders and agencies who will be responsible for some of the sign-posting locations to fulfill their commitments to providing in-kind services to the program. A draft sign-posting protocol is under review by the Steering Committee and will be instrumental in organizing agency staff, community-based organizations, community member volunteers, as well as MERP program staff for the sign-posting activities.

On 17 January 2017, a stakeholder meeting was held in Oakley. Staff from the Central Valley Regional Board, CDPH, and Delta Conservancy gave program updates, discussed sign-posting activities, and proposed options for program sustainability to 22 attendees. A guest speaker from Comitè Civico Del Valle, Inc. gave a talk encouraging public engagement and provided suggestions for sustainability through advocacy and community-based research to provide information regarding the needs of the communities they serve. Staff from the two community-based organizations that received small grants from MERP for FY16/17 gave presentations summarizing the work completed by their organizations for the first half of the grant cycle. The Asian Pacific Self-Development and Residential Association (APSARA) and the Yolo County Children's Alliance (YCCA) both reported substantial progress in their respective communities to promote the awareness of consuming fish from the Delta safely.

The Community Guide on Health and Benefits of Eating Seafood, an interactive educational tool developed by the California Department of Public Health, is now online. The tool can be accessed through this link: http://www.cdph.ca.gov/HealthInfo/environhealth/water/Community%20Guide/presentation_html5.html

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

The November 2016 issue of the Delta Stewardship Council's publication titled *The Delta on Fast Forward: Thinking Beyond the Next Crisis- Perspectives on the State of Bay-Delta Science* recognizes the significant progress the Delta RMP has made. This recognition further reinforces the need for and benefits of having a regional monitoring program.

"An important recent action, consistent with State of Bay-Delta Science 2008, is the establishment of the Delta Regional Monitoring Program (RMP) by the Central Valley Regional Water Quality Control Board. The program (modeled on a similar regional effort in the lower estuary) will sample mercury, pesticides, nutrients, and pathogens at a number of Delta locations, both routinely and in response to events such as seasonal storms and dry periods. The Delta RMP is a landmark step to provide much more comprehensive water quality monitoring for management."

The Delta RMP Technical Advisory Committee held a meeting on 13 December 2017 to coordinate subsequent Technical Advisory Subcommittees calls and meetings to draft, review, and finalize a response to the Independent Review Panel's draft assessment of the Delta RMP's Monitoring Design. The Independent Review Panel was charged with 1) determining if the Delta RMP Monitoring Design is adequate to answer the program's management and assessment questions, and 2) recommending scientific criteria for distributing limited resources towards monitoring. Suggestions from the panel are being considered by the Steering Committee in the decision making process for modifications to the Monitoring Design. The final report from the panel is expected in March 2017.

On 18 January 2017, the Nutrients Subcommittee held a meeting to review and refine Delta RMP assessment questions for Nutrient monitoring in the context of Central Valley Water Board's priorities and create a multi-year plan for implementing activities that will inform the refined assessment questions. The multi-year plan for nutrient monitoring and assessment activities will be considered for approval by the Delta RMP's Steering Committee before FY 2017-18 monitoring begins. The Nutrients Subcommittee drew on information in the 30 September 2016 Nutrient Monitoring Workshop summary report by the Aquatic Science Center titled *Summary of Existing Nutrient Monitoring Programs, Data Gaps, and Potential Delta RMP "No Regrets" Monitoring Activities*.

On 25 January 2017, the Pesticides Subcommittee met to re-design the Delta RMP pesticide monitoring program utilizing EPA's 2009 publication titled *Guidance on Systematic Planning Using the Data Quality Objectives Process*. The group will also provide input regarding the possible relocation of Delta RMP monitoring sites in coordination with the statewide SWAMP Stream Pollution Trends (SPoT) monitoring program.

On 26 January 2017, the Steering Committee met to approve the Technical Advisory Committee's draft response letter to the independent scientific review panel and approve revisions to the Delta RMP Charter. The Steering Committee will also confirm the program's budget for the next fiscal year and receive a science update from the U.S. Geological Survey on nutrients data synthesis.

3. **Delta Nutrient Research Plan**

The purpose of the Nutrient Research Plan is to identify research and modeling needed to determine whether water quality objectives for nutrients are needed to address problems of low primary productivity, harmful algal blooms, and spread of invasive aquatic plants. Staff is working with a Stakeholder and Technical Advisory Group (STAG) to develop the plan. Background papers on nutrients and cyanobacteria blooms, invasive aquatic plants, and biogeochemical modeling are complete.

Ongoing activities include:

- An independent expert panel is in the process of writing a white paper on the role of nutrient forms and ratios in controlling primary productivity. The panel anticipates having a draft paper complete at the beginning of March 2017.
- The Prioritization Work Group is identifying criteria and organizing research recommendations, using the recommendations that have been put forth in the white papers for cyanobacteria blooms and invasive macrophytes. The Work Group is developing the process and draft organization for STAG review and input. Once the Nutrient Forms and Ratios white paper is complete, the recommendations from that paper will be incorporated into the format developed by the Prioritization Work Group and the STAG. The next meeting of the Prioritization Work Group is 30 January 2017.
- The STAG met in December to review the Water Board's proposed schedule for the Nutrient Research Plan and develop a plan for its upcoming meetings. Staff anticipates having a draft Nutrient Research Plan available for review in May 2017.

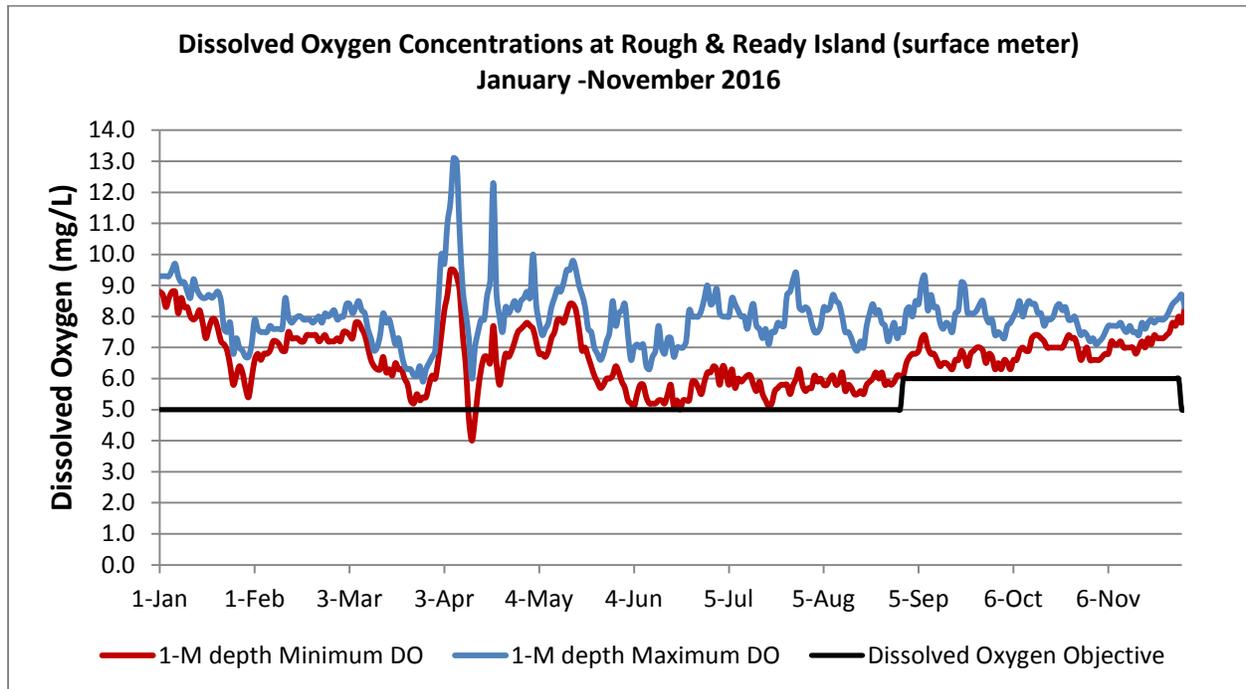
Information about the Delta Nutrient Research Plan process is available:

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

4. **San Joaquin River Dissolved Oxygen TMDL Implementation – Aeration Facility**

Dissolved oxygen concentrations in the Stockton Deep Water Ship Channel (dredged portion of the San Joaquin River) are monitored at the Department of Water Resources Rough and Ready Island water quality monitoring station. The Port of Stockton operates the aerator when dissolved oxygen concentrations measure below the dissolved oxygen water quality objective. In 2016, there were five occurrences where the aeration facility was operated. These operations occurred from April 13-19, June 3-7, July 27-31, August 18-22, and August 31-September 8, 2016. The lowest dissolved oxygen concentration recorded

was 4 mg/L on April 13. However, the dissolved oxygen concentrations increased above the objective once the aerator was turned on (see plot below). Most of the excursions below the water quality objective during June through September occurred at the deeper depths but were minimal. In January 2017, dissolved oxygen concentrations were above the objective and no aeration was needed.



Delta Program Meeting Participation

On 29 and 30 November, Janis Cooke, Christine Joab, and Charlotte Nohra participated the Nutrient Forms and Ratios Workshop at CalEPA. Researchers conducting nutrient-related work in the Delta and Suisun Bay presented their work before an independent expert panel.

A Final Environmental Impact Report/Environmental Impact Statement (EIR/EIS) for the Bay Delta Conservation Plan / California WaterFix was released to the public on 22 December 2016. The lead agencies are the Dept. Water Resources and the U.S. Bureau of Reclamation. The EIS/EIR encompasses alternatives identified in the previous Bay Delta Conservation Plan with the WaterFix tunnels plan being the preferred alternative.

The EIS/EIR identifies the following significant and unavoidable impacts that would result from the construction and operation of WaterFix: conversion of agricultural land and loss of topsoil in construction areas; changes in aesthetics and visual resources in facility, construction, and dredge material storage areas; reduction in recreational navigation opportunities; and degradation of groundwater quality in Southern California (based on uncertainty in predicting rates of groundwater use and recharge in Southern California hydrologic region). Other resource areas analyzed include surface water supply, water quality, fish and aquatic resources, and terrestrial biological resources. Potential environmental impacts for these resources were determined to be less than significant, less than significant with proposed mitigation, beneficial, or have no impact.

State Water Resources Control Board's hearing process for the WaterFix change petition is ongoing. In 2015, the Dept. Water Resources and the U.S. Bureau of Reclamation submitted a petition to change the water rights to allow implementation of the WaterFix project.

SALINITY AND CV SALTS

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

The CV-SALTS Central Valley-wide Salt and Nitrate Management Plan (SNMP) was completed and posted on the Central Valley Salinity Coalition's website at the end of 2016. On 12 January 2017, the Executive Committee formally submitted the SNMP to the Board. The final SNMP contains several policy recommendations for Board consideration including:

- Nitrate permitting strategy
- Salt management strategy
- Secondary Maximum Contaminant Level Policy
- Offsets Policy
- Exceptions Policy
- Management Zone Policy
- Drought and Conservation Policy

A public hearing to consider accepting the SNMP and direct staff to begin Basin Plan Amendments to incorporate appropriate elements will be held at a 9 March 2017 Board meeting. Notification of the 9 March public hearing and associated comment period was sent out on the Board's email list-serve and posted on the Board's website on 19 January 2017. The comment period extends through 21 February. Final draft copies of the documents under discussion can be found at:

<http://www.cvsalinity.org/index.php/docs/central-valley-snmp/final-snmp.html>

2. **Lower San Joaquin River Salt and Boron Water Quality Objectives (WQOs).** An October public notice for a split hearing process to consider adoption of the proposed Basin Plan Amendment for WQOs on Lower San Joaquin River (LSJR) was postponed on 4 November 2016. A new notice will be released in February. The revised date for release of a public version of the draft Staff Report is 27 February 2017. Board will receive oral comments at a public hearing on 6 April 2017. The Board will consider adoption of the proposed Basin Plan Amendment at the 8/9 June 2017 Board meeting.

Information on the proposed Amendment projects can be found

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

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>

3. **CV-SALTS Meeting Participation**

On 7 December 2016 Glenn Meeks and Pam Buford in the CV-SALTS Public Education and Outreach Committee meeting to review interim communication plan and focus on development of near term outreach materials.

On 10 January, Glenn Meeks participated in the CV-SALTS Public Education and Outreach Committee meeting to review interim communication plan and focus on development of near term outreach materials, including the SNMP fact sheets

On 12 January Glenn Meeks participated in the CV-SALTS Executive Committee Administration Meeting which was focused on approval of the SNMP transmittal letter and updates on technical projects progress.

On 3 November 2016, Jim Brownell participated in a LSJR Committee meeting in Modesto and Anne Littlejohn participated by telephone. The meeting was primarily focused on a draft Staff Report for the proposed Amendment to the Basin Plan for LSJR salinity WQOs. Stakeholders on the Committee

requested a postponement of the date (4 November 2016) for Public release of the report until they had more time to review it.

On 2 and 15 December 2016, Anne Littlejohn participated in LSJR Committee conference calls. The calls were held to discuss changes to the draft Staff Report for the proposed Amendment to the Basin Plan for LSJR salinity WQOs. The scheduled date for Public release of the draft report is now 27 February 2017.

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

The next meeting with representatives of the USBR will be held during the first quarter of 2017. In January, USBR announced that the Water Quality Coordinator position had been filled by Elwood Raley. USBR has not announced the hiring of a new Project Manager for the Program to Meet Standards. The USBR 2016 Annual Report of MAA activities is expected in January. The Steering Committee of the Board-approved Real Time Management Program submitted their Annual Progress Report on 3 January 2017.

5. **Evaluation of Municipal and Domestic Supply (MUN) Beneficial Use in Ag Dominated Surface**

Water Bodies. The Basin Plan Amendment effort to develop a region-wide MUN evaluation process in Ag dominated surface water bodies is scheduled for the Central Valley Water Board to receive oral comments at a public hearing on 23/24 February 2017, with consideration of adoption in June 2017. The draft Staff Report was released to the public on 23 January 2017 and the public written comment period extends to 17 March 2017.

More information on the project can be found at:

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

6. **Tulare Lake Bed MUN and AGR Beneficial Use Evaluation**

The Basin Plan Amendment to remove the municipal and domestic supply (MUN) and agricultural supply (AGR) beneficial uses from a discrete portion of the Tulare Lake Bed groundwater basin will be considered at the 6/7 April 2017 Board meeting. On 9 January 2017, the staff report was posted on the Board's website and the Notification of Opportunity to Comment and the April 2017 Public Hearing Notice for the project was sent out on email list-serve. The comment period extends through 23 February.

Copies of the Staff Report and associated reference documents and appendices can be found at:

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

TMDL BASIN PLANNING

1. Pesticide Basin Planning/TMDLs

Pyrethroid Basin Plan Amendment and TMDL

On 26 January, staff released a draft Staff Report for the Proposed Amendments to the Water Quality Control Plan for the Sacramento River and San Joaquin River Basins for the Control of Pyrethroid Pesticides Discharges, which includes the language of the draft Proposed Amendment. Comments are due on 17 March. A hearing to receive comments on this item is scheduled for the 24 February Board meeting with consideration for adoption at the June 2017 Board meeting. For more information:

http://www.waterboards.ca.gov/centralvalley/water_issues/tmdl/central_valley_projects/central_valley_pesticides/pyrethroid_tmdl_bpa/index.shtml

2. 2014 Integrated Report

The 2014 Integrated Report includes surface water quality data assessments and Clean Water Act Section 303(d) listing recommendations (identification of impaired water bodies). The Central Valley Water Board approved staff recommendations for the 2014 303(d) List for the Central Valley Region at the public hearing on 5 December 2016. The Central Valley 2014 303(d) List will be considered by the State Water Board as part of the statewide 303(d) List at the September 2017 State Water Board meeting, and then will be submitted to the U.S. Environmental Protection Agency for final approval.

Per direction from the Central Valley Water Board during the December 2016 hearing, the Executive Officer transmitted comments to the State Water Board regarding the Central Valley Water Board's concern with only considering data prior to 2010, and how newer data, if considered, could impact assessments and priorities.

The "Notice of Public Solicitation of Water Quality Data and Information for the 2018 California Integrated Report – Clean Water Act Sections 305(b) and 303(d)" was released on 3 November 2016. All data submissions must be submitted to the State Water Board via the California Environmental Data Exchange Network no later than 5:00 p.m., 3 May 2017. The Notice provides instructions to follow when submitting data and required quality assurance information to the State Water Board. The Notice is available at the following State Water Board

website: http://www.waterboards.ca.gov/water_issues/programs/water_quality_assessment/#impaired

DAIRIES/CONFINED ANIMAL FACILITIES

Inspections

Staff has completed approximately 120 dairy inspections for FY 2016/17 so far, including 100 compliance inspections. This outcome is on track to meet our performance target, but not in alignment with the goal of inspecting each CDQAP-certified dairy once every five years, and non-certified dairies once every three years. The reason for doing fewer inspections this year is to focus resources on the more immediate goal of completing General Orders for Bovine Feedlots and Poultry Facilities, as well as to pursue a number of high priority enforcement cases. Staff will eliminate the inspection backlog in the coming years. In the meantime, we will prioritize inspection efforts on dairies that are more likely to have issues based on previous inspections, as well as on dairies that are in close proximity to sensitive receptors such as community drinking water supplies.

OIL FIELDS

1. Waste Water Surface Pond

The draft General Orders have been revised in response to comments from the Central Valley Water Board, industry representatives, environmental groups, and other stakeholders. The revisions addressed various issues such as: the definition of secondary containment, the California Environmental Quality Act issues, the definition of small operators and how to help them deal with the cost of compliance, and the prohibition on discharging wastewater from wells that have received a well stimulation treatment. Staff anticipates presenting the draft General Orders to the Central Valley Water Board for its consideration at the April 2017 meeting.

2. Spill Response

Central Valley Water Board staff responds to oil field spills and upsets reported to the Office of Emergency Services. Staff investigated eight events that occurred in November and December.

- A spill of crude oil and oil field produced wastewater, into a dry stream bed occurred on the Section 33 lease operated by Chevron USA, Inc., in the Kern River Oil Field on 22 November 2016. The cause of the spill was reported as the failure of a pipeline. Reportedly, approximately 4.5-bbbls of crude oil and 4-bbbls of wastewater were discharged. Staff inspected the spill site to ascertain the conditions of the affected areas and observe cleanup activities. Reportedly, staff of the California Department of Fish and Wildlife conducted a follow-up inspection at a later date and signed-off on the cleanup.
- A spill of crude oil and oil field produced wastewater, into a dry stream bed occurred on the Marco lease operated by Chevron USA, Inc., in the Kern River Oil Field on 23 November 2016. The cause of the spill was reported as the failure of a pipeline. Reportedly, approximately 1-bbl of crude oil and 2-bbbls of wastewater were discharged. Staff inspected the spill site to ascertain the conditions of the affected areas and observe cleanup activities. Reportedly, staff of the California Department of Fish and Wildlife conducted a follow-up inspection at a later date and signed-off on the cleanup.
- Crude oil was reportedly found in a dry stream bed in the Alma Junior lease operated by Chevron USA, Inc., in the Kern River Oil Field on 19 December 2016. Reportedly, rainwater flowed into a culvert pipe and washed oil out into the affected stream bed. Staff inspected the spill site to ascertain the conditions of the affected areas and observe cleanup activities. Reportedly, staff of the California Department of Fish and Wildlife conducted a follow-up inspection at a later date and signed-off on the cleanup.
- A spill of a mixture of softened produced wastewater and brine, into an un-named blue line stream bed occurred on the Station 36 Plant operated by Chevron USA, Inc., in the Kern River Oil Field on 20 December 2016. The cause of the spill was reported as a mechanical failure of a valve at a tank. Reportedly, approximately 180-bbbls of the discharged fluids were released into a containment berm and then into the affected stream bed. Staff inspected the spill site to ascertain the conditions of the affected areas.
- A spill of crude oil and oil field produced wastewater, into an un-named blue line stream bed occurred on the Section 6 lease operated by Chevron USA, Inc., in the Midway-Sunset Oil Field on 23 December 2016. The cause of the spill was reported as the failure of a pipeline. Reportedly, approximately 0.071-bbl of crude oil and 2.46-bbbls of wastewater were discharged. Staff inspected the spill site to ascertain the conditions of the affected areas after the completion of cleanup.
- A spill of crude oil and oil field produced wastewater, into an un-named blue line stream bed occurred on the San Joaquin lease operated by Chevron USA, Inc., in the Kern River Oil Field on 31 December 2016. The cause of the spill was reported as the failure of a pipeline. Reportedly, approximately 0.5-bbl of crude oil and an unknown amount of wastewater were discharged. Staff inspected the spill site to ascertain the conditions of the affected areas after the completion of cleanup.

- A spill of crude oil and oil field produced wastewater, into a dry stream bed occurred on the Mckittrick Unit lease operated by Sentinel Peak Resources, in the Cymric Oil Field on 31 December 2016. Reportedly, approximately 22-bbls of crude oil and 1,001-bbls of produced wastewater were discharged due to a mechanical failure at a storage tank. Most of the discharged fluids were reported to have been contained within the containment berm of the tank, and only approximately 1-bbl of oil and 1-bbl of wastewater escaped the containment and affected the stream bed. Staff inspected the spill site to ascertain the conditions of the affected areas after the completion of cleanup.
- An upset in operations was reported to have caused the transfer of oil into an un-netted surface impoundment used for the disposal of produced wastewater. The incident occurred on the 23D lease operated by Chevron USA, Inc., in the Coalinga Oil Field on 3 December 2016. Reportedly, 12 wild ducks affected by oil were retrieved from the affected surface impoundment. Staff inspected the spill site to ascertain the conditions of the affected areas after the completion of cleanup.

Staff is considering appropriate enforcement for the spills.

3. **UIC Program**

Staff has received and reviewed five technical reports that were submitted in response to 13267 Orders issued to oil field operators requesting information on injection well(s) that have potentially been injecting Class II fluids produced by oil or gas extraction activities into an aquifer that may not have been properly designated as an exempt aquifer under the federal Safe Drinking Water Act. The 13267 Orders require operators to either provide specific technical information, or to provide technical justification that their injection well(s) is injecting into an exempted aquifer/zone and therefore should not receive a 13267 Order. As a result of these reviews, staff issued two letters of compliance, and followed up with three operators regarding outstanding information that is required.

Staff have reviewed two aquifer exemption applications (North Belridge and Jacalitos-Coalinga Oil Fields) and prepared questions/concerns that were submitted to State Board and subsequently to the Division for response/clarification. Staff has reviewed and prepared comments regarding the Division's responses to the Water Boards questions for the Poso Creek, Midway Sunset, and Kern Front Aquifer Exemptions. Meetings have been held with staff from all three agencies (State Board, Regional Board, and the Division) to allow direct communication/interactions in addressing the complex issues raised during the aquifer exemption review process.

Staff is currently reviewing an Underground Injection Control (UIC), Project Approval Letter (PAL) for a proposed injection project that was submitted to the Division for waste water disposal into a portion of the Midway Sunset Oil Field.

4. **SB4 Program**

Since early December, staff have completed four SB4 well stimulation application reviews and submitted them to State Board. Staff is currently reviewing another application. Staff has also completed two proposed SB4 groundwater monitoring program reviews and submitted them to State Board.

5. **Food Safety**

Two technical reports that were released in September and October 2016 were uploaded/linked to the Central Valley Water Board's Food Safety webpage. The technical reports were prepared by (1) Cawelo Water District and (2) Seth B.C. Shonkoff, William T. Stringfellow, and Jeremy K. Domen regarding blended produced wastewater used for irrigation. The reports analyzed, in part, some of the data submitted in response to orders issued by the Central Valley Water Board. Water quality data received by the Central Valley Water Board continues to be made available for members of the Food Safety Expert Panel and the public (via the Central Valley Water Board website or upon request).

The Central Valley Water Board continues to address concerns from the public regarding Food Safety. During November and December 2016, Central Valley Water Board staff responded to two letters from concerned citizens regarding potential human health impacts of blended produced wastewater used for irrigation. Central Valley Water Board staff addressed their concerns, and informed the citizens that technical and monitoring reports are available upon request.

Public and roundtable meetings of the Food Safety Expert Panel are currently being facilitated by the Center for Collaborative Policy- a nonpartisan, third party facilitation group. The Central Valley Water Board is working with the Center for Collaborative Policy to prepare a longer term schedule for both roundtable meetings and public meetings of the Food Safety Expert Panel.

GROUND WATER STRATEGY

The Addendum to the Groundwater Quality Protection Strategy (GWQ Strategy) is available on the Groundwater Quality section of the website listed below. The Addendum updates the sections of the GWQ Strategy that include statewide policies and regulations, changes or additions to the Central Valley Water Board regulatory programs, and identified completed and new actions to protect groundwater quality. The Groundwater Quality Protection Strategy, Addendum, can be found on the Groundwater Quality section of the Central Valley Water Board's website at:

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

The following is a brief status report of ongoing implementation of tasks for actions identified in the June 2013-2015 Workplan and Addendum.

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 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. 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, staff is engaged with both. Discussion are taking place to determine how best to coordinate the GMAW and CV-SALTS Technical Advisory Committee.

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. Education on Supplemental Environmental Project funding sources that may be available for IRWM plan projects, specifically those that benefit disadvantaged communities, continues with the distribution of a factsheet that 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. Anticipate report to be finalized and posted to the website October 2016.

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 poultry facilities was considered and adopted by the Central Valley Water Board at its December meeting.

An Administrative Draft of the General Order for Confined Bovine Feeding Operations has been prepared and released to key stakeholders in industry and environmental groups. Release of a Tentative Order is planned soon, with the goal of presenting the General Order to the Board for consideration at the April 2017 Board meeting.

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 certification training for Certified Crop Advisors and individual growers and the development of nitrogen removed calculator for use by the agricultural coalitions. Staff is coordinating with CDFA to augment the irrigation element of the nitrogen management certification training and possibly include information on the summary reporting requirement.

Action 6.5.3 Reduce sites classified as backlog in the GeoTracker database. The goal of this action is to reduce the number of inactive cases (i.e., the case backlog) in the GeoTracker database. During the 2016/2017 fiscal year, SB445 Program staff and Cleanup Program staff have worked together to review 72 open, inactive sites. Of these, 49 were eliminated from the backlog. This includes sites that were closed, are under another agency's lead, were assigned to staff, found to be duplicates of another site entry, or were found to be informational only. Of the cases reviewed, 24 sites will need additional staff time and/or effort by the responsible parties to resolve issues identified at the site. There are also 4 additional sites in which site information has not yet been located.

Since the backlog reduction project began, a total of 791 sites have been reviewed. To date a total of 506 sites have been eliminated from the backlog, and 295 will require additional information and resources to properly address.

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.

The State Water Board updated the state-wide general order for water recycling in June. Regional Water Board staff has notified the individuals enrolled in the previous, 2014 general order and enrolled them in the new order. The new general order is a useful tool to encourage water recycling.

State Water Board staff has targeted two additional general orders for adoption in this fiscal year or early in fiscal year 2017/2018 (a Winery General Order and an Aggregate General Order). Region 5 staff is involved directly with the development of these general orders. Development of these 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.

Regional Water Board staff is developing white papers for two types of dischargers to begin working with the industry representatives for consideration of draft general orders. This task was a goal for fiscal year 2016/2017. But due to staff's time constraints with reviewing Local Agency Management Programs for each county in our region, substation progress will be a goal for next fiscal year.

Regional Water Board staff is also exploring the possibility of a general order for municipal/domestic wastewater treatment facilities that treat their wastewater to comply with levels necessary for water recycling. The water recycling general order is directed to the recycling of the water and does not replace the WDRs on the dischargers with respect to effluent limits, prohibitions, specifications, etc. The hope would be an order that would complement the water recycling general order.

This fiscal year, beginning 1 July, staff has started tracking time to monitor effectiveness of its Lean 6 Sigma project implementation measures. We have found a 23% reduction in the time it takes to process and application and complete the corresponding permit. For the next fiscal year, the focus on a target for individual WDRs may be reduced and a target for getting discharges under a general order will be developed. This will help reduce the backlog of existing WDRs.

Action 6.15 Onsite Wastewater Treatment Systems (OWTS) Policy Implementation; Local Agency Management Program (LAMP) Reviews

The OWTS Policy gives Local Agencies, mostly county environmental health departments, an option to propose Local Agency Management Programs (LAMPs). The goal of these programs is to demonstrate adequacy of local codes and ordinances to meet new minimum standards both for human health and water quality protection. Draft LAMPs were due to the Central Valley Water Board by 13 May 2016. Staff received 29 of 30 LAMPs from Local Agencies within the Central Valley by the deadline, and one late submittal afterward. Staff is also responsible for reviews of 8 LAMPs that partly extend into the Central Valley, but under external Regions' jurisdictions. Staff members in the Redding, Rancho Cordova, and Fresno Offices are coordinating reviews in detail.

The OWTS Policy has a deadline of 13 May 2017 for Regional Board LAMP approvals. As of January 2017, Central Valley Water Board staff have completed reviews on 27 LAMPs, 90% of the jurisdictional total, and resolved all issues with local environmental health directors. Two remaining LAMPs are incomplete; we await revised versions. Staff is now reviewing the sole late submittal. Staff has reviewed 2 of 8 LAMPs from external Regions and awaits requests for reviews on the remainder. Prior to public noticing and recommendation to the Central Valley Regional Board for consideration, staff requests Local Agencies to gain their Board of Supervisors' approvals, and related new code adoptions. To date, local Boards of Supervisors have approved 15 LAMPs and adopted codes on 14. The Central Valley Water Board has approved 5 LAMPs. During the February 2017 Meeting, 3 additional LAMPs will be submitted to the Central Valley Regional Board for its consideration. During the April 2017 Meeting, staff expects 7 LAMPs will be submitted for consideration by the Board. Therefore, about 50% of the LAMPs will likely meet the OWTS Policy deadline. The remainder largely awaits further local Board of Supervisors' actions. Local Agencies with LAMPs that lack Regional Board approvals by 13 May 2018 will regulate either under OWTS Policy Tier 1 (generally more conservative than a LAMP) or local codes, whichever is more stringent. Staff regularly updates progress on the following

webpage: http://www.waterboards.ca.gov/centralvalley/water_issues/owts/lamp_reviews/index.shtml

IRRIGATED LANDS REGULATORY PROGRAM (ILRP)

Quarterly Stakeholder Meetings

Central Valley Water Board staff holds quarterly ILRP stakeholder meetings to provide an open forum for communication between staff, agricultural coalitions, environmental justice groups, and other interested parties in Central Valley Region. The 11 January 2017 stakeholder meeting was held at the Merced Farm Bureau and was focused on recent ILRP enforcement activities. The next stakeholder meeting will be held on 12 April 2017 at the Modesto Farm Bureau. More information regarding the stakeholder meetings can be found on the Central Valley Water Board ILRP website:

http://www.waterboards.ca.gov/centralvalley/water_issues/irrigated_land/regulatory_information/stakeholder_adv_isory_workgroup/index.shtml

Waste Discharge Requirements (WDRs) Development

State Water Board's Proposed Order Issued in Response to Petitions on Eastern San Joaquin Agricultural Waste Discharge Requirements

On 8 February 2016, the State Water Board issued a proposed precedential order in response to the petitions regarding the General Order No. R5-2012-0116 for growers within the Eastern San Joaquin River Watershed (SWRCB/OCC Files A-2239(a)-(c)). The State Water Board order proposed changes to the current General Order, including field-level reporting to the Water Board, domestic well monitoring, and development of numeric targets to assess nitrogen loading to groundwater. Central Valley Water Board members and staff briefed State Board members in Spring and Fall 2016, presented information during the State Board and staff Workshops, and provided written comments on the proposed order. Staff also met with agricultural coalition and environmental justice representatives to discuss issues raised during the Workshops. In the various venues, staff has explained how the current ILRP components can be clarified to address the intent of the proposed order. State Water Board expects to release an updated draft order in Spring 2017, with another 45 day comment period and workshop. More information regarding the proposed State Water Board order can be found at the State Water Board web page: http://www.swrcb.ca.gov/public_notices/petitions/water_quality/a2239_sanjoaquin_ag.shtml

ILRP Compliance, Outreach & Enforcement

Renewed Outreach for Non-enrolled Operations

On 13 January 2017, staff mailed 300 outreach letters to owners of likely commercial irrigated farmland within the Kings River Water Quality Coalition area. The letters are intended to improve outreach efficiency by providing landowners an opportunity to contact the Water Board prior to staff conducting an inspection of the property. An additional copy of the letter was provided to a non-ILRP staff member to share with individuals in the local Sikh community who have expressed interest in obtaining more information about the ILRP.

Staff is also developing an outreach tri-fold that will explain the Central Valley Water Board on one side and the ILRP on the other. Staff will work with the State Water Board's Office of Public Participation to translate the tri-fold into other languages. Once the tri-fold is developed, it will be sent with future outreach letters and provided to the coalitions for use to explain the ILRP.

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. 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 7 – Jan 27
East San Joaquin	163
Sacramento Valley	322
San Joaquin County & Delta	26
Kings River	175
Total	686

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 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 7 – Jan 27
East San Joaquin	59
Sacramento Valley	90
Kings River	122
Total	271

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 7 – Jan 27
East San Joaquin	11
San Joaquin County & Delta	9
Sacramento Valley	52
Kings River	24
Total	96

Notices of Violation for Failure to Submit Nitrogen Management Plan Summary Reports

On 19 January 2017, Notices of Violation (NOVs) were sent to 74 Westside San Joaquin River Watershed Coalition members for their failure to submit Nitrogen Management Plan summary reports by the Board-approved deadline of 1 March 2016. The NOVs require the members to provide their summary reports to both the Coalition and the Water Board. Response results for the NOVs are pending.

Pre-Administrative Civil Liability Notification Letters

On 4 January 2017, Board staff in the Fresno office issued pre-Administrative Civil Liability (Pre-ACL) letters to 5 growers for failure to respond to a 13260 Directive. Pre-ACL letters offer the recipients the opportunity to negotiate a settlement with Board staff and avert the issuance of an Administrative Civil Liability Complaint. If a settlement is reached, the details of the settlement are circulated for a 30-day public review prior to the settlement being finalized and approved by the Executive Officer.

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, subsequent voluntary updates to member lists, and Central Valley Water Board staff identified additional enrollment data. The ILRP General Orders require coalitions to provide enrollment data each July and Water Board staff requests a voluntary update in December to ensure accurate information for annual billing. Executive Officer Reports produced in months when coalitions are not required to provide member and participant information are updated using Water Board staff enrollment information.

Table 1 of 2. Coalition Enrollment Information Summary in the Sacramento, Delta, East and Western San Joaquin River Watersheds*							
Coalition Group	CA Rice* Comm.	East San Joaquin	Grasslands Drainage Area	Sacramento Valley	San Joaquin Co. & Delta	Western San Joaquin R.	Totals
Participating Growers							
Number of Growers, Pre-Order	2,500	2,225	N/A	7,888	3,256	2,450	18,319
Number of Growers, Participant List (2016)*	2,500	3,524	89	8,300	3,609	2,527	20,549
Number of Growers Enrolling Land Due to Directive/eNOI (Nov 3, 2016 – Jan 19, 2017)***		7		41	10	1	59
Enrolled Acreage							
Number of Acres, Pre-Order	544,468	535,653	N/A	1,183,491	348,200	467,625	3,079,437
Number of Acres, Participant List (2016)*	536,000****	697,423	80,859	1,330,502	413,126	433,324	3,491,234
Number of Acres, Annual Fees (2016-2017)**	536,000****	698,701	80,859	1,330,502	413,126	433,324	3,492,512
Number of Acres added due to Directive/eNOI (Nov 3, 2016 – Jan 19, 2017)***		671		2480	525	154	3830

* Grower participant lists are updated yearly by the Coalition Group on 31 July.

** Grower annual fees are submitted yearly by the Coalition Group in Jan-Feb for the fiscal year. Annual Fees only report irrigated acres and do not report participants.

*** Growers and acres calculated by staff on 19 January 2017.

****Per the Order, the CA Rice Commission is not required to submit a participant list and the acreages are updated annually for fees.

Table 2 of 2. Coalition Enrollment Information Summary for the Tulare Lake and Western Tulare Lake Basins									
Coalition Group	Buena Vista	Cawelo	Kaweah Basin	Kern River	Kings River	Tule Basin	Westside	Westlands	Total
Participating Growers									
Number of Growers, Pre-Order	3,794 (Southern San Joaquin Water Quality Coalition)							1,070	4,864
Number of Growers, Current Participant List (2016)*	40	89	1,290	781	4,819	1,044	41	1,276	9,380
Number of Growers Enrolling Land Due to Directive/eNOI (Nov 2, 2016 – Jan 27, 2016)***	0	0	0	12	38	13	0	0	63
Enrolled Acreage									
Number of Acres, Pre-Order	957,362 (Southern San Joaquin Water Quality Coalition)							507,489	1,464,851
Number of Acres, Current Participant List (2016)*	30,960	34,877	163,554	524,804	773,473	232,012	99,100	489,698	2,348,478
Number of Acres, Previous Annual Fees (2015-2016)**	30,788	34,524	163,422	522,776	761,019	225,018	99,761	490,495	2,327,803
Number of Acres added due to Directive/eNOI (Sept 8 - Nov 8, 2016)***	0	0	0	372	1,812	605	0	0	2,789

* Grower participant lists are updated yearly by the Coalition Group on 31 July.

** Grower annual fees are submitted yearly by the Coalition Group in Jan-Feb for the fiscal year. Annual Fees only report irrigated acres and do not report participants.

*** Growers and acres calculated by staff on 24 January 2017

Sacramento River Watershed Coalition Groups

California Rice Commission

On 21 September 2016, Regional Board staff provided informal comments to the California Rice Commission on the draft Quality Assurance Project Plan (QAPP) update submitted on 27 May 2016. The QAPP update includes additional information about the groundwater quality monitoring that will be conducted per the Groundwater Trend Monitoring Workplan and Data Gap Assessment Plan approved by the Executive Officer on 20 June 2016. Staff's comments must be addressed prior to Regional Board approval of the QAPP.

On 29 December 2016, the California Rice Commission submitted the 2016 Annual Monitoring Report to the Central Valley Water Board. The report is currently under staff review.

Sacramento Valley Water Quality Coalition

On 23 November 2016, the Executive Officer approved the Sacramento Valley Water Quality Coalition's (SVWQC, Coalition) Comprehensive Surface Water Quality Management Plan (CSQMP). The CSQMP includes an overarching strategy, a constituent-specific approach, performance goals, and compliance schedules. Updates are required annually on 1 May.

On 30 November 2016, the SVWQC submitted electronic monitoring results for the 3rd quarter of the 2016 water year, covering April through July 2016.

On 6 December 2016, the Executive Officer approved the Coalition's surface water quality management plan (SQMP) for chlorpyrifos in Pine Creek. The SQMP is a site-specific management plan that will be included as an addendum to the Coalition's CSQMP.

On 16 December 2016, the Executive Officer approved the Coalition's surface water quality management plan (SQMP) for chlorpyrifos in Gilsizer Slough. The SQMP is a site-specific management plan that will be included as an addendum to the Coalition's CSQMP.

On 3 January 2017, staff provided SVWQC with a feedback package for the Coalition's water year 2016 3rd quarter data submittal. Deficiencies, reporting problems, and corrections were noted.

San Joaquin River Watershed Coalition Groups

East San Joaquin Water Quality Coalition

On 9 November, the Executive Officer approved the Coalition's Nitrogen Management Plan Summary Report Analysis for the 2015 Crop Year. The Executive Officer noted that additional effort must be made to gather and include all of the Nitrogen Management Plan Summary Report data required for submittal by Coalition members in future annual reports.

On 30 November, staff held the 28th Quarterly Meeting with the Coalition representatives to discuss the Groundwater Quality Management Plan, NMP Outlier Outreach Plan, SQMP Special Studies, Surface Water QAPP, and status of other activities in progress. The Coalition provided an update on the management plan monitoring results and outreach in the subwatersheds.

On 1 December, staff received the Coalition's Quarterly Monitoring Data Report for the period April-June 2016.

On 7 December, the Coalition submitted a request to remove 15 constituents from 11 site subwatersheds management plans and management plan monitoring schedule. The request is currently under staff review.

San Joaquin County and Delta Water Quality Coalition

On 16 November, the Coalition submitted a request for management plan completion covering six sites and eight specific constituents. The management plan request is under staff review.

On 22 December, a 60-day due date extension was approved for the Groundwater Trend Monitoring Program Plan Quality Assurance Program Plan. The QAPP will be due 60-days after the GTMP is approved.

Westside San Joaquin River Watershed Coalition

On 12 September 2016, the Executive Officer conditionally approved the Coalition's work plan for addressing potential sediment discharges from parcels in proximity to water bodies that were not identified in the Sediment Discharge and Erosion Assessment Report (also known as the Proximity to Surface Water Workplan).

On 14 November 2016, staff met with representatives of the coalition for the last quarterly meeting of the year. The main agenda topic was the draft Surface Water Quality Management Plan.

Also on this date, the Coalition submitted a request to complete the management plan for fathead minnow toxicity and sediment toxicity in Newman Wasteway. This request is under staff review.

On 30 November 2016, the Coalition submitted the 2015-16 Annual Monitoring Report, which is under staff review. This report also included the Nitrogen Management Plan Summary Report Analysis, which is out for public comment until 18 February.

On 15 January 2017, the Coalition submitted the 2017 Monitoring Plan Update, which is under staff review.

Grassland Drainage Area Coalition

On 29 December 2016, the Executive Officer approved the Grassland Drainage Area Groundwater Quality Assessment Report (GAR). The GAR and public comments were reviewed, and changes to the delineation of the high vulnerability area were requested. An addendum to the GAR was submitted on 16 December.

On 16 January, the Comprehensive Groundwater Quality Management Plan for the Grassland Drainage Area was submitted to the Central Valley Water Board. The plan is currently under staff review.

Tulare Lake Basin Coalition Groups

Cawelo Water District Coalition

On 4 January 2017 the Cawelo Water District Coalition submitted a Farm Evaluation Summary Report as an addendum to the 2015 annual Monitoring Report. The Farm Evaluations provide information regarding current management practices being implemented by growers, and will allow Coalitions and the Regional Board to track implementation of new management practices through time. The information will aid in the development/implementation of required Groundwater Quality Management Plans (GQMPs) and the Management Practice Evaluation Program (MPEP).

Kaweah Basin Water Quality Association

On 4 January 2017 the Kaweah Basin Water Quality Association submitted a Farm Evaluation Summary Report as an addendum to the 2015 annual Monitoring Report. The Farm Evaluations provide information regarding current management practices being implemented by growers, and will allow Coalitions and the Regional Board to track implementation of new management practices through time. The information will aid in the development/implementation of required Groundwater Quality Management Plans (GQMPs) and the Management Practice Evaluation Program (MPEP).

Kern River Watershed Coalition Authority

On 13 December 2016 the Kern River Watershed Coalition Authority submitted a Farm Evaluation Summary Report as an addendum to the 2015 annual Monitoring Report. The Farm Evaluations provide information regarding current management practices being implemented by growers, and will allow Coalitions and the Regional Board to track implementation of new management practices through time. The information will aid in the development/implementation of required Groundwater Quality Management Plans (GQMPs) and the Management Practice Evaluation Program (MPEP).

Kings River Watershed Coalition Authority

On 3 January 2017 the Kings River Water Quality Coalition submitted a Farm Evaluation Summary Report as an addendum to the 2015 annual Monitoring Report. The Farm Evaluations provide information regarding current management practices being implemented by growers, and will allow Coalitions and the Regional Board to track implementation of new management practices through time. The information will aid in the development/implementation of required Groundwater Quality Management Plans (GQMPs) and the Management Practice Evaluation Program (MPEP).

Tule Basin Water Quality Coalition

On 13 December 2016 the Executive Officer issued a review of the Workplan submitted by Tule Basin Water Quality Coalition to address potential sediment discharge and erosion from irrigated agricultural parcels in proximity to surface waters. The letter and enclosed staff review memo identify modifications to the workplan needed to adequately identify growers that need to prepare, certify, and implement Sediment and Erosion Control Plans.

On 5 January 2017 staff met with representatives of the Tule Basin Water Quality Coalition to discuss the recently issued review of the Coalition's Workplan to address sediment and erosion from irrigated agricultural parcels in proximity to surface waters. Staff was able to provide examples of areas with potential sediment and erosion control issues, and discussed approaches to best identify similar areas via the Workplan process.

On 2 January 2017 the Tule Basin Water Quality Coalition submitted a Farm Evaluation Summary Report as an addendum to the 2015 annual Monitoring Report. The Farm Evaluations provide information regarding current management practices being implemented by growers, and will allow Coalitions and the Regional Board to track implementation of new management practices through time. The information will aid in the development/implementation of required Groundwater Quality Management Plans (GQMPs) and the Management Practice Evaluation Program (MPEP).

Westside Water Quality Coalition

On 3 January 2017 the Westside Water Quality Coalition submitted a Farm Evaluation Summary Report as an addendum to the 2015 annual Monitoring Report. The Farm Evaluations provide information regarding current management practices being implemented by growers, and will allow Coalitions and the Regional Board to track implementation of new management practices through time. The information will aid in the development/implementation of required Groundwater Quality Management Plans (GQMPs) and the Management Practice Evaluation Program (MPEP).

Westlands Water Quality Coalition

On 3 January 2017 the Westlands Water Quality Coalition submitted a Farm Evaluation Summary Report as an addendum to the 2015 annual Monitoring Report. The Farm Evaluations provide information regarding current management practices being implemented by growers, and will allow Coalitions and the Regional Board to track implementation of new management practices through time. The information will aid in the development/implementation of required Groundwater Quality Management Plans (GQMPs) and the Management Practice Evaluation Program (MPEP).

On 24 January 2017, staff spoke with representatives of the Westlands Water Quality Coalition to discuss applicable trigger limits for surface waters within the Coalition's coverage area. The trigger limits affect reporting requirements under the Coalition's existing Surface Water Monitoring Program.

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. State Board has not been able to garner more than one bid to renew the contract. 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 SJ River, California Rice Commission, and Sacramento Valley Water Quality 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 coalitions since program inception.

Staff loaded the second and third quarter Sacramento Valley Water Quality Coalition electronic field data deliverable covering the monitoring period January through March and April through June 2016 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.

In September, November, and December, staff completed processing sets 2004-2008 California Rice Commission's historical data sets. Historical data sets have to be manually reviewed and entered into a spreadsheet. All CRC historical data sets have been loaded into the CV RDC database.

In October and November 2016, staff completed processing a 2008 Sacramento Valley Water Quality Coalition historical data set and part of 2007. There are 2007, 2006, 2005 and 2004 data sets yet to process. Historical data sets have to be manually reviewed and entered into a spreadsheet before the loading process can proceed. Staff will continue processing the other data sets as priorities allow.

In November and December 2016, staff completed processing a 2007, 2006, and 2005 Westside San Joaquin River Coalition historical data set. There are the 2004 data sets yet to process.

Grassland Bypass Project

On 29 April 2016, the 2015 Annual Monitoring Report for the Grassland Bypass Project was submitted to the Central Valley Water Board. A revised draft was submitted on 15 August 2016 in response to staff comments. The revised draft was reviewed by staff for compliance with Order R5-2015-0094 and approved on 21 September 2016.

On 31 August 2015, 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. Revisions are due to the Regional Board by the end of January 2017.

Rice Pesticide Program

The 2016 Annual Stakeholder Meeting for the Rice Pesticide Program was held on 12 October in the Central Valley Water Board's Rancho Cordova office. On 29 December, the 2016 Annual Monitoring Report was submitted to the Central Valley Water Board. The Annual Report summarizes thiobencarb monitoring results for the 2016 rice growing season and subsequent actions taken in response to exceedances. The Annual Report is currently under staff review.

Draft Pesticide Evaluation Protocol

On 29 November 2016, the Executive Officer issued the final *Pesticides Evaluation Protocol and List of Pesticides* for Third Party Groups enrolled under the Irrigated Lands Regulatory Program Waste Discharge Requirements General Orders. The *Pesticides Evaluation Protocol* describes the evaluation factors and protocol, as well as the list of pesticides that may require monitoring in areas where they are applied and have the potential to impair water quality. Pesticide monitoring proposals that utilize the protocol must be included the Third Party Groups' Monitoring Plan Updates that will be submitted for 2017-2018 Water Year monitoring. Staff is developing an example of how to implement the protocol and will schedule working meetings as needed to answer questions and assist the Third-Party Groups.

Final Pesticide Evaluation Protocol:

http://www.waterboards.ca.gov/centralvalley/water_issues/irrigated_land/regulatory_information/stakeholder_ advisory_workgroup/index.shtml

NON POINT SOURCE (NPS)

Cyanobacteria Bloom Notification and Response

Cyanobacteria and other harmful algae (CHABs) have become more frequent across the state and in Central Valley waters. The Central Valley Water Board's Cyanobacteria Coordinator, Christine Joab, coordinates notification of water body managers, local public and environmental health agencies, and drinking water purveyors when a cyanobacteria bloom is reported.

The table below summarizes the number of cyanobacteria blooms that staff responded to last year. Several blooms persisted throughout the region until November and December before dissipating.

Summary of Suspected and Confirmed Cyanobacteria Bloom Reports in 2016				
Month	Report Name	Water Body Type	Report Status	Actual Case of Cyanobacteria (Genera)
March	1. Galt Report	1. Creek & private pond	1. Closed	Galt = no
	2. American River Report	2. River	2. Closed	American River = no
April	3. Chico Report	Small lake	3. Closed	Chico = yes
May	4. San Joaquin Cattle Ponds	Cattle stock ponds	4. Closed	San Joaquin = yes
June	5. San Joaquin River	5. River	5. Closed	San Joaquin = yes
	6. Woodward Reservoir	6. Reservoir	6. Closed	Woodward = yes
July	7. Thompson Lake	7. Lake	7. Closed	Thompson = no
	8. Eastman Lake	8. Lake	8. Closed	Eastman = no
	9. Shasta Lake – Upper Pit River Arm	9. Reservoir	9. Closed	Pit River Arm Shasta = yes
	10. Lake Britton	10. Reservoir	10. Closed	Britton = yes
	11. Discovery Bay	11. Man-made water feature in Delta	11. Closed	Discovery Bay = yes
	12. Lake Oroville	12. Reservoir	12. Closed	Oroville = yes
August	13. San Luis Reservoir & O'Neill Forebay	13. Reservoirs	13. Closed	San Luis & O'Neill = yes
	14. Mountain Meadow Reservoir	14. Reservoir	14. Closed	Mountain Meadow = yes
	15. Lake Isabella	15. Reservoir	15. Closed	Lake Isabella = yes
	16. Kern River	16. River	16. Closed	Kern = yes
	16. Pond on tributary to Mary Lake	16. Pond	16. Closed	Pond to Mary Lake = no
	17. Clear Lake	17. Lake	17. Closed	Clear Lake = yes
	18. Big Break	18. Delta bay	18. Closed	Big Break = yes
	19. Lake Clementine	19. Reservoir	18. Closed	Lake Clementine = no
	September	20. South Delta	20. Delta channels	20. Closed
October	21. Folsom Lake	21. Lake	21. Closed	Folsom = yes (not bloom conditions)
November	No new blooms			
December	No new blooms			

Note: Blooms on the San Joaquin River, Big Break Regional Shoreline, Lake Isabella, Kern River, and Discovery Bay lasted until November-December until the blooms disappeared and toxins were no longer detected.

GENERAL

- 1. OWTS Policy – Local Agency Management Programs, Pending Local Agency Management Program Approvals** The State Board's *Water Quality Control Policy for Siting, Design, Operation, and Maintenance of Onsite Wastewater Treatment Systems* (OWTS Policy) gives Local Agencies the option to submit Local Agency Management Programs (LAMPs) in lieu of conservative default standards. The Central Valley has 30 LAMP submittals within its jurisdiction. To date, staff has completed its review for 27 of these and resolved issues with environmental health directors. Of these the Regional Board has approved 5 LAMPs; for Butte, Sacramento, Solano, and Yolo Counties and the Town of Paradise. Prior to the Regional Board's further consideration, Local Environmental Health Directors seek approval from their Boards of Supervisors and adoption of related new codes and ordinances. To date, local Boards of Supervisors have approved 14 LAMPs and adopted related codes for 12 of these. Staff then directs the Local Agency to publicly notice the LAMPs; for the February 2017 Regional Board Meeting, this process is complete for 3 LAMPs; Amador, Modoc, and Plumas Counties. For the April 2017 Regional Board Meeting, this process has begun for 4 LAMPs; Glenn, San Joaquin, Fresno, and Merced Counties. Staff anticipates 4 others for the April Regional Board Meeting; Shasta, Nevada, Mariposa, and Placer Counties. A remaining 12 LAMPs will miss the 13 May 2017 deadline in the OWTS Policy for Regional Board approval because of late or incomplete submittal by the counties. Staff anticipates most these will be on the agenda for the June 2017 Regional Board Meeting.

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 now available to address Small DACs drinking water, wastewater, groundwater quality, and stormwater needs under one program. 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/

Staff continues to stay apprised of the various funding sources for water quality improvement projects to provide information to stakeholders as appropriate.

Storm Water Grant Program (SWGP) Proposition 1

The State Water Board is currently reviewing Storm Water Implementation Grant applications. Approximately \$80 million will be available for implementation projects in this first round of funding. Eligible project types include multi-benefit storm water management projects which may include, but shall not be limited to, green infrastructure, rainwater and storm water capture projects and storm water treatment facilities. Region 5 staff assisted the State Water Board in the grant proposal review process. The funding list may be seen at: http://www.waterboards.ca.gov/water_issues/programs/grants_loans/swgp/docs/prop1/prop1_swgp_imp_r1_funding_list_approval.pdf

Clean Water Act §319(h) Nonpoint Source Grant Program:

2017 Federal NPS Grant Solicitation

Approximately \$4 million is available for this solicitation through a grant from the USEPA 319(h) Program. The purpose of the program is to provide funds to restore and protect the beneficial uses of water throughout the State through the control of nonpoint source pollution consistent with completed TMDLs or TMDLs under substantial development. Full proposals were submitted January 20, 2017. Sixteen proposals were submitted statewide with one Central Valley project. Successful proposals will be announced mid-April. For more information and to review solicitation guidelines, please visit:

http://www.waterboards.ca.gov/water_issues/programs/nps/solicitation_notice.shtml

2017 Timber Regulation and Forest Restoration Fund

Approximately \$2 million is available for the Timber Regulation and Forest Restoration Fund (Timber Fund) for projects that implement forest management measures on forest lands to improve water quality. Full proposals were submitted January 20, 2017. Six proposals were submitted statewide with four Central Valley projects. Successful proposals will be announced mid-April. For more information and to review solicitation guidelines, please visit:

http://www.waterboards.ca.gov/water_issues/programs/nps/solicitation_notice.shtml

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

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)

Implementation of Agricultural Best Management Practices in Alfalfa, Almonds, and Cotton that Aid in Restoration of the San Joaquin River Watershed (\$749,997) – 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 6/30/19)

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 5/31/2019)

Timber Regulation and Forest Restoration Fund:

Ponderosa Way Road Assessment and Sediment Reduction Plan (Phase 1) (\$300,000) – The Resource Conservation District of Tehama County will prepare an Action Plan to reduce sedimentation from two miles of Ponderosa Way and another five miles of roads upslope and/or downslope of Ponderosa Way within the Battle Creek Watershed, implement one project to reduce sediment inputs to Battle Creek and prepare CEQA document for future road fixes. (end date 4/30/2018)

Battle Creek Watershed Based Plan (\$492,000) – The Battle Creek Watershed Conservancy will develop a Watershed-Based Plan and implement a sediment reduction demonstration project in the Battle Creek Watershed. (end date 4/30/2018)

Grants to be executed by 30 June 2017:

- Ponderosa Way Road Assessment and Sediment Reduction Plan Phase II (Resource Conservation District of Tehama County)
- Post-Fire Response to Forest Management: Mitigations for Improved Water Quality Performance (California Department of Forestry and Fire Protection Watershed Protection Program, Boggs State Forest, Lake County)
- Roadside Fuel Reduction (Yuba County Public Works)

PUBLIC OUTREACH

On 1 November, 2016 Bethany Soto participated at the Poso Creek Integrated Regional Water Management (IRWM) Plan Implementation meeting. The meeting focused on the status reports of projects and updating the group's project list. A representative of the Integrated Regional Water Management Disadvantaged Community (DAC) Involvement Program presented and solicited feedback from the group on a proposal for Prop 1 funds to assess the needs of the DACs across seven IRWMs within the Tulare/Kern funding areas.

On 7 November, Bethany Soto participated at the Tulare Basin Integrated Regional Planning Effort which is a group of IRWM practitioners from the Tulare - Kern Funding Area. The meeting focused on the IRWM grant implementation status of each of the individual practitioners, coordination with DACs within the Tulare Basin, and an update on formation of groundwater sustainability agencies within the Tulare - Kern funding area.

On 9 November, Bethany Soto participated at the Kern Storm Water Resource Plan Public Meeting #2. The meeting focused on an overview of the Kern Storm Water Resource Plan which includes both Kern County IRWM and Poso Creek IRWM storm water projects for solicitation of comments. The plan is required for applicant submission for Prop 1 funding through the Storm Water Grant Program with the State Water Resources Control Board.

On 10 November and 29 November Eric Warren, Henry Jones, and Marcus Ellison attended continuing education seminars in Tulare and Bakersfield, CA, hosted by the California Association of Pesticide Control Advisors (CAPCA). Eric provided presentations on the ILRP requirements for growers and updates regarding recent program activities.

On 14 November, Zaira Lopez-Narvaez attended the Madera Regional Water Management Group (RWMG) Meeting. The meeting focused on project updates as well as discussing the approval for the proposed budget for the 2017 calendar year to financially support mountain counties and the San Joaquin Valley regions in the development and participation of the Proposition 1, Department of Water Resources DAC projects.

On 15–17 November, Selina Cole, Janis Cooke, Amanda D'Elia, Tessa Fojut, Christine Joab, and Daniel McClure attended the 9th Biennial Bay-Delta Science Conference, which was held at the Sacramento Convention Center.

On November 16, Doug Barber and Rebecca Tabor participated in GIS Day at Dunsmuir High School in Dunsmuir, CA. The theme this year was titled "Healthy Watershed- 25 Years after the Cantara Loop Spill". Students from grades 4-12 rotated through stations hosted by different agencies, organizations, and businesses involved in responding to the Cantara Loop Spill. Doug and Rebecca hosted a station and talked to students about the following:

- 1) The different departments that make up CalEPA,
- 2) What we do at the Central Valley Regional Water Quality Control Water Board,
- 3) What happened during the Cantara Loop Spill,
- 4) Metam sodium and the effects on humans and the food web,
- 5) What we learned from the Cantara Loop Spill.

On 16 November, Zaira Lopez-Narvaez attended the Tuolumne-Stanislaus Integrated Water Management Authority (T-Stan IRWMA) Watershed Advisory Committee (WAC) meeting. The meeting focused on various presentations from **T-Stan IRWMA WAC Members and updates on their groups**, as well as project updates from the Proposition 1, DAC Involvement Grant and the Tuolumne River Trust Round 2 Project.

On 16 November, Alex MacDonald participated in the Aerojet Rocketdyne Community Advisory Group meeting in Rancho Cordova. The main topics that were discussed were the USEPA 5-Year Review, the results of sampling of Aerojet's GET E/F, GET AB and ARGET treatment systems for PFOA and PFOS (emerging contaminants) and potential vapor intrusion evaluation at Aerojet, both on and off-site. Alex also presented information regarding recent cleanup activities on the Aerojet site and adjacent Inactive Rancho Cordova Test Site, including the installation of several groundwater monitor wells and the soil removal activities at the AMPAC facility. (AMM)

On 17 November, Dani Berchtold gave a presentation titled “Storm Water Pollution Prevention for Municipal Operations” to staff of the City of Shasta Lake. City departments represented at the training included public works, development services, planning, electric utility, and parks and recreation.

On 17 November 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 *Use and Measurement of Mass Flux and Mass Discharge* (2010). This was the twelfth training session on the document. The training is provided free of charge and approximately 160 people world-wide attended the training. (AMM)

On 28 November, Sue McConnell attended a field tour for China’s Ministry of Agriculture, coordinated by Sacramento Valley Water Quality Coalition. Participants visited surface water monitoring sites in Solano and Dixon counties.

On 30 November, Pam Buford participated in a panel discussion at the San Joaquin Valley Winegrowers Association, 2016 Wine & Grape Industry Forum, where she provided an overview of CV-SALTS development of a draft Salt and Nitrate Management Plan for the Central Valley Region.

On 5 December, Bethany Soto participated at the Tulare Basin Integrated Regional Planning Effort which is a group of IRWM practitioners from the Tulare – Kern Funding Area. The meeting focused on the IRWM grant implementation status of each of the individual practitioners, DAC engagement within the Tulare Basin, and an update on formation of groundwater sustainability agencies within the Tulare - Kern funding area.

On 6 December Anthony Medrano followed up with the Kern Environmental Enforcement Network (KEEN) coordinator to review and provide updates regarding environmental complaints lodged by various disadvantaged community groups and members.

On 8 December, Bethany Soto participated at the Southern Sierra Integrated Regional Water Management (IRWM) group meeting. The meeting focused on the group’s list of projects, any new or updated project activities, and potential funding sources. A representative of the Integrated Regional Water Management Disadvantaged Community (DAC) Involvement Program presented and solicited feedback from the group on a proposal for Prop 1 funds to assess the needs of the DACs across seven IRWMs within the Tulare/Kern funding areas.

On 9 December, Janis Cooke attended a meeting of the Bay Nutrient Management Steering Committee. The Committee received a science program update and an in-depth presentation on investigations of fisheries and habitat in channels with low dissolved oxygen in South Bay.

On 10 December, Scott Hatton gave a presentation to a class and at the Career Center at Hoover High School in Fresno. The presentation gave an oversight of engineering, technology, and water to interested students.

On 13 December, Anthony Medrano followed up with Fresno Environmental Reporting Network (FERN) coordinator to review and provide updates regarding environmental complaints lodged by various disadvantaged community groups and members.

On 14 December, Anthony Medrano followed up with IVAN Kings County coordinator to review and provide updates regarding environmental complaints lodged by various disadvantaged community groups and members.

On 14 December, James Taylor participated in the former McClellan Air Force Base Restoration Advisory Board (RAB) meeting at the North Highlands Park and Recreation District Center in North Highlands, California. This is a public meeting where agencies inform the public of cleanup issues at Department of Defense facilities and enlist their comments. The main topics for the meeting were general updates on the Air Force and Privatized Cleanup Projects at McClellan.

On 21 December, Bethany Soto participated at the Upper Kings Basin Integrated Regional Water Management Authority Advisory Committee meeting. The meeting focused on staff reports and project list updates especially the updated Kings Basin IRWMP that Provost & Pritchard developed to include a Storm Water Resources Plan, which received approval and funding through DWR's Prop 1 IRWM Planning Grant Program. Also, the Kings Basin IRWM is in support of the Integrated Regional Water Management Disadvantaged Community (DAC) Involvement Program's proposal for Prop 1 funds to assess the needs of the DACs that Tulare County is leading.

On 22 December, Janis Cooke and Christine Joab attended the Biointegrity and NNE Stakeholder Meeting. The purpose of the meeting was to introduce the State Water Board's combined strategy for addressing biological integrity and nutrients in freshwater streams. Technical workplans supporting the policy development and timelines for review of technical products, stakeholder meetings and science panel were discussed.

On 4 January 2017, Guy Chetelat participated in the Upper Sacramento River Anadromous Fish Habitat Restoration projects meeting held at the Department of Water Resources office in Red Bluff. Public, private and agency representatives discussed several projects in different stages of development and implementation on the Sacramento River between Redding and Red Bluff.

On 9 January, Zaira Lopez-Narvaez attended the Madera Regional Water Management Group (RWMG) Meeting. The meeting focused on project updates, approval of the financial report for the 2017 calendar year, updates on the Madera RWMG's involvement in the Mountain Counties Group, IRWM plan updates, and grant updates for the Round 1 implementation projects. The Madera RWMG is currently working on a Storm Water Resource Plan which is needed for the Storm Water Grant Program (SWGPP) with the State Water Resource Control Board.

On 10 January, Anthony Toto attended the Fresno Environmental Reporting Network (FERN) task force meeting to review and provide updates regarding environmental complaints lodged by various disadvantaged community groups and members.

On 11 January, Sue McConnell and Brett Stevens attended the quarterly ILRP stakeholder meeting in Merced. Staff provided program updates and a presentation regarding the November 2016 ILRP Hearing Panel and enforcement cases to be heard by the Board at the February 2017 Board hearing.

On 11 January Alex MacDonald presented information to the Mother Lode Village Home Owners Association regarding upcoming soil vapor sampling that would be conducted within and near its community. The sampling is being conducted as part of a soil vapor intrusion evaluation being conducted at the nearby Aerojet Rocketdyne facility.

On January 12, Ashley Worth and Mike Parker participated in the Lake County Environmental Crimes Task Force Meeting to discuss cannabis cultivation priorities for Lake County.

On January 18, Guy Chetelat attended the North Sacramento Valley Integrated Regional Water Management Technical Advisory Committee meeting in Willows. Department of Water Resources presented the latest groundwater monitoring results for the northern Sacramento Valley. Compliance status with the Sustainable Groundwater Management Act was discussed by participating county representatives.

On 18 January, Zaira Lopez-Narvaez attended the Joint Workshop of the Tuolumne-Stanislaus Integrated Regional Water Management Authority (T-Stan IRWMA) Board and the Watershed Advisory Committee (WAC). The focus of the meeting was to inform both the board and WAC members of each other's roles and relationship with the T-Stan IRWM group. In addition, it informed participants of the current grants available and the projects funded with each grant.

On January 18-19, Griffin Perea and Ashley Worth participated in a Cannabis Regulation Summit organized by the California Association of Environmental Health Administrators (CAEHA) in Sacramento. Griffin and Ashley presented an informational power point on the Cannabis Cultivation Waste Discharge Regulatory Program in front of over 300 participants.

On 18 January Alex MacDonald participated in the Aerojet Rocketdyne Community Advisory Group meeting in Rancho Cordova. The main topics that were discussed were the on-going vapor intrusion study being performed by Aerojet both on-site and off-site and the results of sampling of Aerojet's, Boeing' and the Air Force Mather Field groundwater extraction and treatment systems for PFOA and PFOS (emerging contaminants). Alex also presented information regarding recent cleanup activities on the Aerojet site and adjacent Inactive Rancho Cordova Test Site, including the installation of several groundwater monitor wells and the slowdown on several projects in order to focus on the vapor intrusion investigation.

On 18 January, Anne Littlejohn, Jeanne Chilcott and Adam Laputz met will staff from the USEPA Water Quality Assessment Section to discuss elements of upcoming Basin Plan Amendments.

On January 19, Shane Edmunds participated in the Battle Creek Working Group meeting in Red Bluff. Sierra Pacific Industries gave a presentation on their water-quality monitoring results and Shane gave an update on the Watershed Based Planning project supported by the Timber Fund.

On January 25, Guy Chetelat attended the State Water Board workshop held in Redding to solicit public input on actions to protect water quality from suction dredge mining.

On 26 January, Sue McConnell provided a presentation on the status of the ILRP and our groundwater protection efforts to the Butte-Yuba-Sutter Sub-watershed Group of the Sacramento Valley Water Quality Coalition. The presentation included a discussion of the State Water Board's response to the petition of the East San Joaquin Coalition's General Order, ILRP success stories, groundwater protection efforts and the nitrogen management plan requirements.

**PERSONNEL AND ADMINISTRATION
STAFFING UPDATE
November 1, 2016 through January 27, 2017**

Promotion:

Griffin Perea – Senior. Water Resource Control Engineer

Leave of Absence:

James Brownell – Engineering Geologist

Roy Sherrell – Engineering Geologist

Retirement:

Cori Condon – Senior Engineering Geologist

Michael Smith – Environmental Scientist

Chris Cochrane – Engineering Geologist

Pamela Buford – Senior Environmental Scientist

Anthony Medrano – Water Resource Control Engineer

Authorized Positions:

Vacant Positions:

Separations	New Hires
David Torres – Water Resource Control Engineer Patrick Barnes – Environmental Scientist Ashley Worth – Environmental Scientist	Tom Gavigan – Engineering Geologist Geoffrey Rader – Water Resource Control Engineer Jennifer Fuller – Environmental Scientist Ayda Soltani – Water Resource Control Engineer Christine Hernandez – Office Technician Gurjot Chahal – Water Resource Control Engineer Michael Pfister – Senior Engineering Geologist

Temporary Help Positions

Separations	New Hires
Joelle Demetre – Scientific Aid George Garrigus – Scientific Aid Scott Yuen – Scientific Aid	Garrett Fong – Scientific Aid Truc Le – Engineering & Architectural Student

TRAINING UPDATE

November 1, 2016 through January 27, 2017

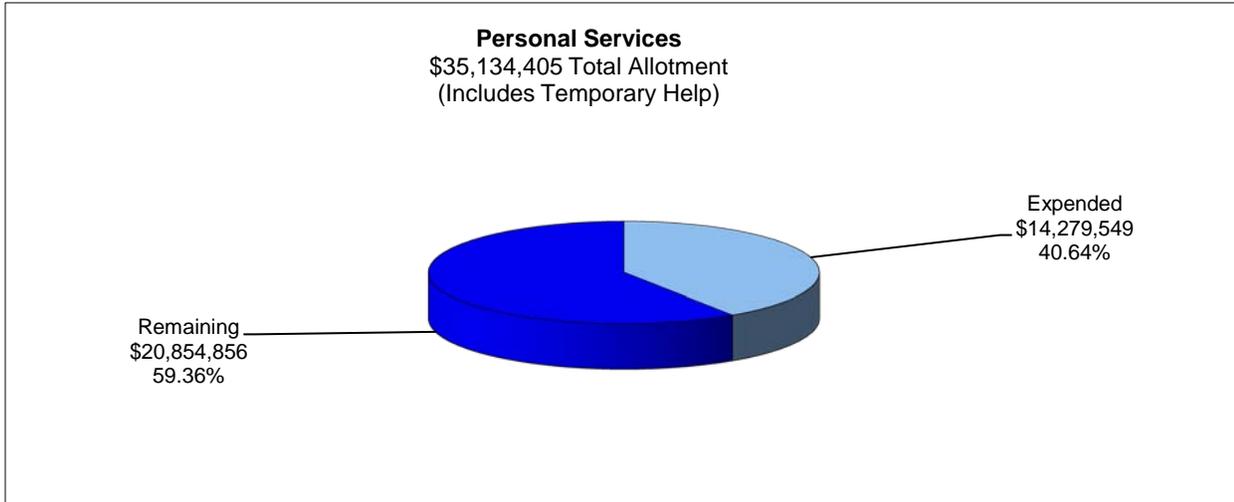
Class Title	Number of Attendees
16-Hour Hazardous Waste Operations Supplemental Training	1
8 hour Hazwoper Training	29
9th Biennial Bay-Delta Science Conference	8
AB 52 Tribal Consultation Training	2
Authorization to use privately owned Vehicles on State Business	1
Basic Supervision for State Supervisors	2
Bill Analysis	4
California Bioresources Alliance 11th Annual Symposium	1
CEQA Update, Issues and Trends	2
CEQA: A Step-by-Step Approach	1
Confined Space Webinar	11
Contracts Training	5
Defensive Drivers Training	11
Detecting Sources of Poly- and Perfluoroalkyls in U.S. Drinking Water	1
Dredging and Beneficial Reuse workshop	1
Effective Oral Presentation of Technical Information	1
Effective Professional Writing	1
Emotional Intelligence	49
Ethics Orientation for State Officials	3
Field Safety Training	16
Fluvial Geomorphology	7
Fundamentals Inspector Course #300	1
HAZWOPER Refresher Training	26
Highly Effective Professional Writing	28
Interest-Based Negotiations for Water Resources Management	2
Introduction to ArcGIS for the Water Boards	6
Introduction to Project Management	1
Meeting and Facilitation Skills for Waterboard Staff (Level 1-2)	6
New Employee Orientation	1
Planning Retirement, CalPers	2
Project Communications and Human Resource Management	1
Project Management for TMDLs	4
Pump Station Emergency Response Plans (Webinar)	1
Reasonable Accommodation Awareness Training	3
Role of Heterogeneity in Vapor Assessments	1
Security Awareness Training 2017	28
Slope Stability and Seismicity for Waste Containment Facilities	17
Water Quality Control Plan for the Tulare Lake Basin	1

FISCAL UPDATE

Through November 30, 2016
(Approximately 42% should have been expended)

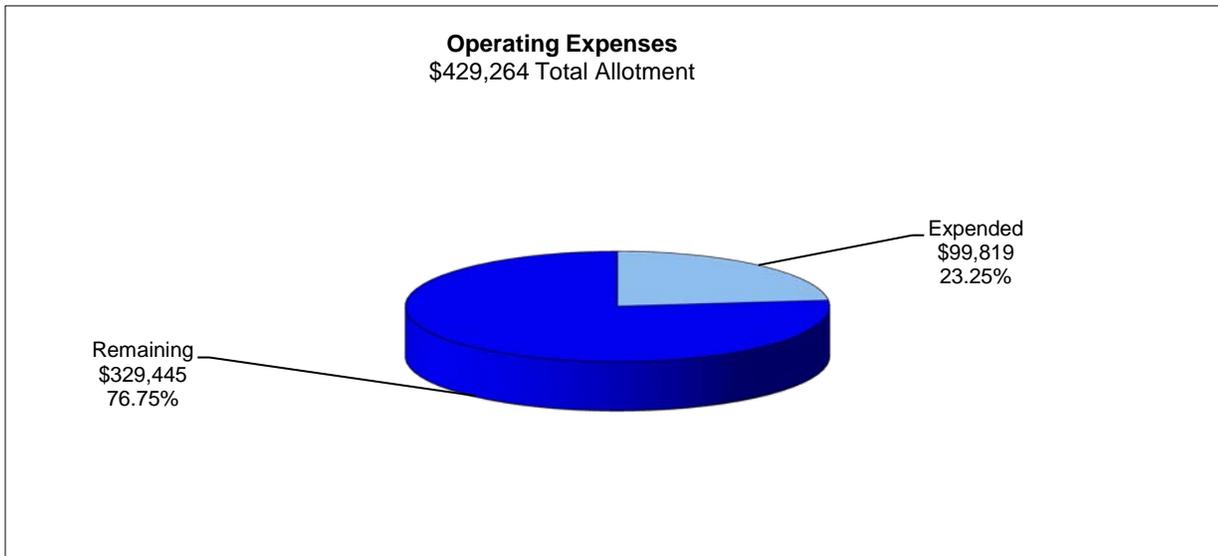
Personal Services:

The information below represents the budget for the 2016-17 Fiscal Year. Our Personal Services budget supports 251.7 PYs. The Regional Board has received 8 new technical positions for this fiscal year in the following programs: 2 - Ambient Monitoring and Assessment; 2 – Medical Marijuana Implementation; 4 – Site Cleanup.



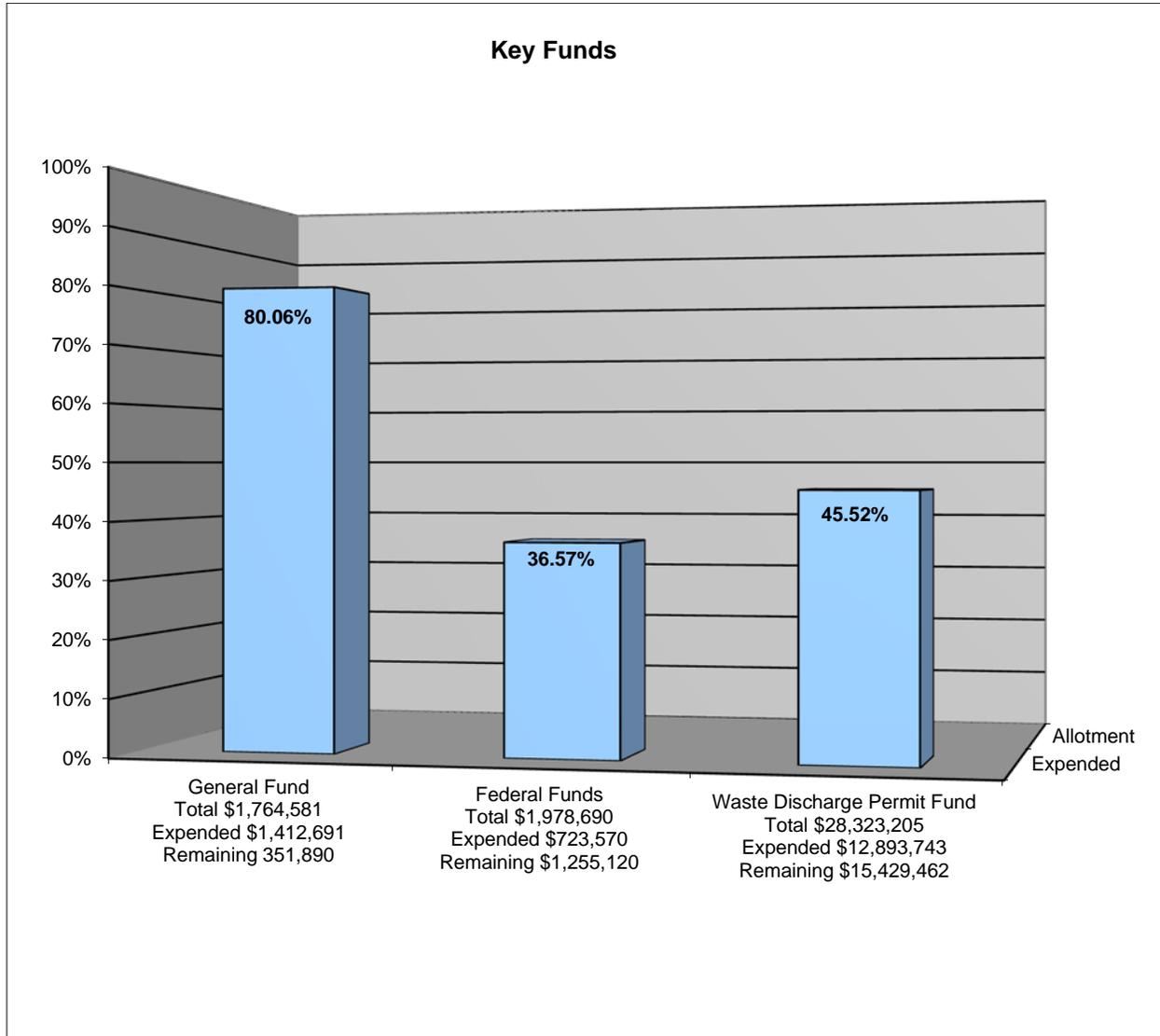
Operating Expenses:

The information below represents the budget for the 2016-17 Fiscal Year. Our Operating Expense budget is \$429,264.



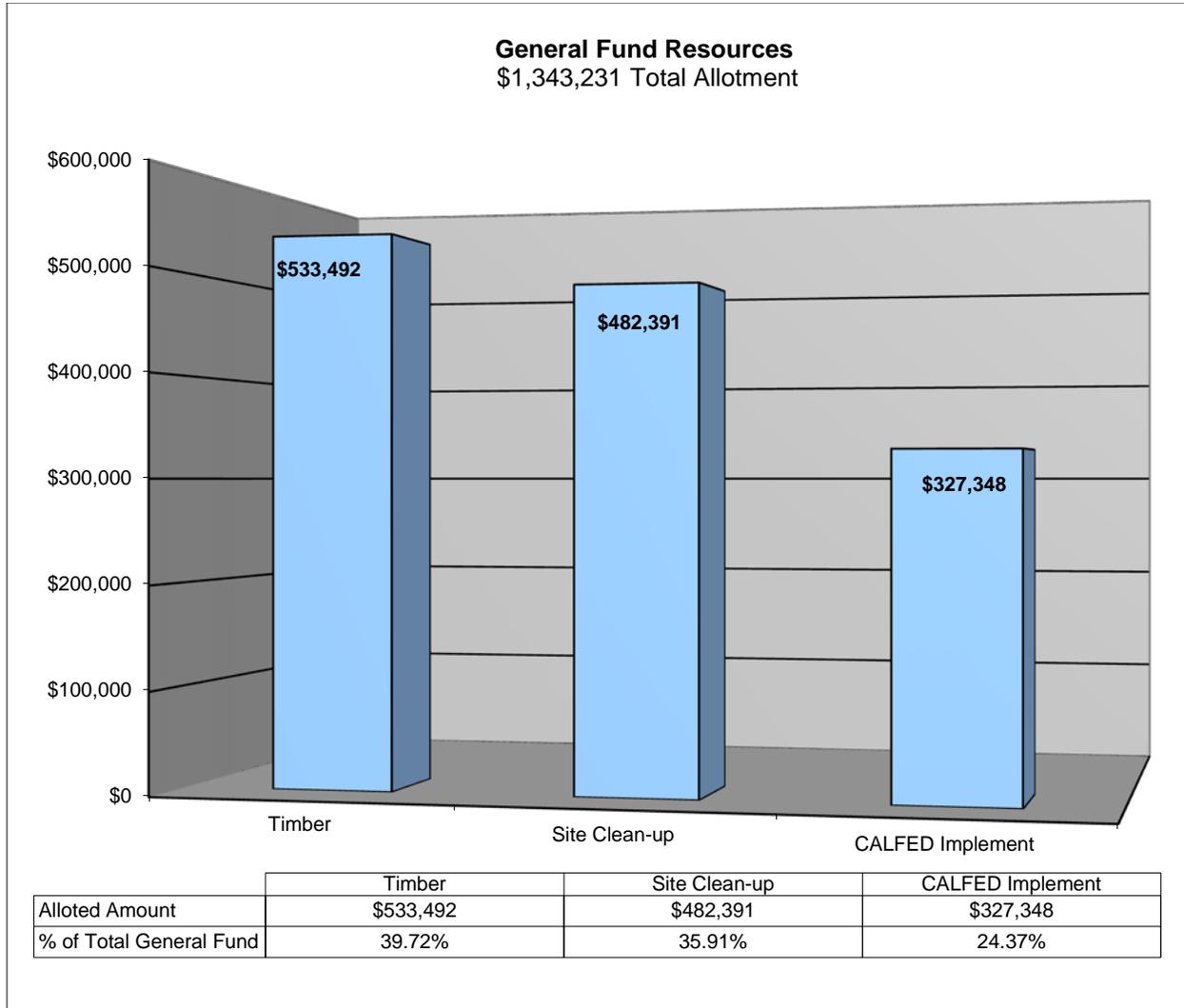
Key Funds

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 2016-17 Fiscal Year is \$1,343,231. 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	Start Date	End Date	Amount
Administrative Support Services					
15-072-150	California Reporting	Court Reporter Services	7/1/2015	6/30/2018	\$36,000
15-150-0758	California Reporting	Court Reporter (off-site)	10/1/2015	6/30/2017	\$4,800
16-150-193	Eaton Interpreting Services	Interpretative Services	7/1/2016	6/30/2017	\$1,200
TBD	Your Membership Inc.	On-line job postings	TBD	3/1/2018	\$28,000
Operational Support Services					
15-011-150	Moore Twining	Lab Analysis – Fresno	1/31/2016	1/31/2018	\$130,000
15-077-150	Basic Laboratory	Lab Analysis – Redding	1/31/2016	1/31/2018	\$110,000
16-018-150	Monterey Bay Analytical	Lab Analysis – Rancho Cordova	7/20/2016	6/30/2018	\$160,000
15-023-150	Air Shasta Rotor & Wing	Helicopter Services	10/7/2015	9/30/2017	\$40,000
16-015-150	Veiola Technical Solutions	Lab cleanup	12/2/2016	6/30/2017	\$3,575
Water Quality Study/Planning					
14-025-150	Delta Conservancy	Delta Mercury Exposure Reduction Program	6/27/2014	6/30/2017	\$370,000
14-030-150	United States Geological Survey (USGS)	Urban and Agriculture Pesticide Monitoring	4/21/2015	3/31/2017	\$175,000
14-043-150	Department of Water Resources (DWR)	Water Quality Trends	11/1/2014	3/31/2017	\$477,715
14-044-150	University of California, Davis (UCD)	5 priority pesticide water contaminants	6/8/2015	3/31/2017	\$125,000
14-095-150	DWR	GIS File Geodatabase	5/1/2014	3/31/2017	\$150,000
15-035-150	The Regents of UC Davis	Large Scale Analysis of Annual Report Data	8/14/2015	3/31/2017	\$150,000
15-084-150	USGS	Sampling Validation	4/1/2016	3/31/2018	\$19,968
15-047-150	San Jose State Foundation	Support for Statewide Mercury Control Program	1/6/2016	3/31/2018	\$200,000

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 2017 BOARD MEETING

WASTE DISCHARGE REQUIREMENTS (WDR) PROGRAM – DISPOSAL TO LAND

- Burney Water District WWTP(Revised WDRs)
- City of Delano WWTF (Revised WDRs)
- Cutler-Orosi WWTF Time Schedule Order Rescission
- Linda County Water District WWTP Renewal
- McCloud WWTF (Revised WDRs)
- So. Cal Edison, Big Creek Powerhouse WWTF Rescission
- Sun Pacific Shippers, Bakersfield (Revised WDRs)
- River Highlands, Hammonton Gold Village WWTP Renewal

LOCAL AREA MANAGEMENT PROGRAM APPROVALS

- Glenn County Environmental Health Department
- Fresno County Environmental Health Division
- Madera County Environmental Health Division
- Mariposa County Environmental Health Division
- Merced County Environmental Health Division
- Nevada County Environmental Health Department
- Placer County Environmental Health Department
- San Joaquin County Environmental Health Department
- Shasta County Environmental Health Division
- Tehama County Environmental Health Department

LAND DISPOSAL PROGRAM – CHAPTER 15/TITLE 27

- City of Bakersfield Sanitary Landfill, Kern County (Revised WDRs)
- Houston Ave. Landfill, Kings County (Revised WDRs)

CONFINED ANIMAL FACILITIES PROGRAM

- General Order for Confined Bovine Feeding Operations
- Sweeney Dairy, Tulare County (ACL)

IRRIGATED LANDS REGULATORY PROGRAM

- MPEP Information Item
- Fresno Non-enrollment ACL(s)?

OIL FIELDS

- General Orders for Oil Field Discharges to Land within the Tulare Lake Basin (New General WDRs)

JUNE 2017 BOARD MEETING

WASTE DISCHARGE REQUIREMENTS (WDR) PROGRAM – DISPOSAL TO LAND

- Ameripride Services, Operable Unit 3 GWTS Renewal
- Angels City WWTP Renewal
- City of Fresno WWTF (Revised WDRs)
- City of Modesto WQCF Renewal
- City of Modesto (New WDRs)
- City of Newman (New WDRs)
- City of Visalia WWTF (Revised WDRs)
- Digger Bay Marina (Revised WDRs)
- Malakoff Diggins New Permit
- Metropolitan Stevedore Company Renewal
- Monarch Nut (Revised WDRs)
- Nevada City WWTP Renewal
- Palo Cedro Wastewater Treatment Facility (Revised WDRs)
- SPI Anderson (New WDRs)
- Treehouse Almonds (Revised WDRs)
- UC Davis CABA Rescission

LOCAL AREA MANAGEMENT PROGRAM APPROVALS

- Calaveras County Environmental Management Agency
- Colusa County Environmental Health Department
- El Dorado County Environmental Health Division
- Kern County Public Health Services Department
- Kings County Environmental Health Services Department
- Lake County Environmental Health Division
- Sierra County Environmental Health Services
- Stanislaus County Environmental Resources
- Sutter County Environmental Health Services
- Yuba County Environmental Health Department/CUPA

IRRIGATED LANDS REGULATORY PROGRAM

- Sac/San Joaquin Non-enrollment ACLs

AUGUST 2017 BOARD MEETING

WASTE DISCHARGE REQUIREMENTS (WDR) PROGRAM – DISPOSAL TO LAND

- Olam Tomato (New WDRs)
- Ingomar Packing (Revised WDRs)
- Corcoran Tomato Processing (Revised WDRs)

LOCAL AREA MANAGEMENT PROGRAM APPROVALS

- Tuolumne County Environmental Health Division
- Tulare County Environmental Health Services Division

LAND DISPOSAL PROGRAM – CHAPTER 15/TITLE 27

CONFINED ANIMAL FACILITIES PROGRAM

- Update on Pastured Poultry Operations (Information Item)

PENDING ACTIONS, BUT NOT YET SCHEDULED FOR A BOARD MEETING

- General Order for Dredging Activities not requiring a Federal Permit/General 401 Certification for Dredging Activities requiring a Federal Permit

WASTE DISCHARGE REQUIREMENTS (WDR) PROGRAM - DISPOSAL TO LAND

- Bogle Vineyards (Revised WDRs)
- Bully Hill Rising Star Mines (New WDRs)
- CA Dept. of Corrections, Mule Creek (Revised WDRs)
- Calaveras County Water District, Copper Cove WWTF (Revised WDRs)
- City of Galt (Revised WDRs)
- City of Lodi (Revised WDRs)
- City of Manteca WWTF (Revised WDRs)
- City of Modesto (Revised WDRs)
- City of Newman (Revised WDRs)
- City of Richgrove WWTF (Revised WDRs)
- City of Tuolumne WWTF (Revised WDRs)
- City of Visalia WWTF (Revised WDRs)
- Delicato Family Vineyards (Revised WDRs)
- Golden Feather School District, Spring Valley School (Revised WDRs)
- Ironhouse Sanitation District (Revised WDRs)
- Liberty Packing Tomato Processing (Revised WDRs)
- London CSD (Revised WDRs)
- Maxwell PUD (Revised WDRs)
- Mokelumne Rim Vineyards (Revised WDRs)
- Morningstar Packing Company (Revised WDRs)
- North State Rendering Tallow Plant (Revised WDRs)
- Olam Tomatoes, Williams Plant (New WDRs)
- Olson Meats (Revised WDRs)
- Smuckers Juice Plant (Revised WDRs)
- Spanish Mine, Nevada County (New WDRs)
- Tasteful Selections (Revised WDRs)
- Yocha De He Tribe (Revised WDRs)
- Zacky & Sons Poultry (New WDRs or MRP)

PENDING ACTIONS, BUT NOT YET SCHEDULED FOR A BOARD MEETING

NPDES PROGRAM – PERMITTING

- City of Atwater, Regional WWTF Rescission
- City of Colfax WWTF Renewal
- City of Redding, Stillwater WWTF Renewal
- City of Tracy WWTP Renewal
- City of Visalia WWTF Rescission
- Delleker WWTP Renewal
- El Dorado Hills WWTP Renewal
- Kiefer Landfill Renewal
- Malaga WWTF Rescission
- Mariposa WWTF Permit Amendment and new Time Schedule Order
- Mountain House WWTP Renewal
- Mount Shasta WWTP Renewal
- Portola WWTP Renewal
- SPI Anderson Rescission
- Yuba City WWTP Renewal

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	2017-01-26 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 EPA approval before becoming effective. OAL and EPA review will occur in early 2017. (Staff contact, Danny McClure)	Regional	R5
A-15	Central Valley Pyrethroids Basin Plan Amendment	2017-01-26 A draft Basin Plan Amendment & Staff Report was released in January 2017, a comment hearing will be held February 2017, and a hearing to consider adoption in June 2017.	Regional	R5
A-15	Basin Plan Amendment for a region-wide evaluation process for the Municipal and Domestic Supply (MUN) beneficial use in agriculturally dominated surface water bodies	2017-01-26 Staff report released 23 January 2017. Comment period through 17 March 2017. Board hearing scheduled February 2017 with Board consideration in June 2017.	Regional	R5
A-15	Central Valley Diuron Basin Plan Amendment	2017-01-26 A review of the most current water quality information indicates the Irrigated Lands Regulatory Program is effectively addressing all diuron impairments. Therefore staff is preparing documentation for de-listing or listing the impairments as being addressed by an existing regulatory program. The 2014 Integrated Report included documentation for listing several diuron impairments as being addressed by an existing regulatory program and not needing TMDLs (category 4b). Additional de-listings and/or category 4b demonstrations are underway.	Regional	R5
A-16	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.	2017-01-25 Regional Board completed CEQA Scoping meeting in March 2009. Development of proposed water quality criteria for inclusion in a staff report in support of a proposed BPA establishing EC WQOs has been completed in 2015 by the stakeholder driven, CV-SALTS Lower San Joaquin River sub-committee. Staff are preparing the staff report and proposed BPA. A Regional Board workshop was held on 17 August 2016 and provided an overview of the proposed amendment. A Regional Board Hearing to accept public comments will in April 2017, and consideration for adoption of the amendment will be in June 2017.	Regional	R5

Key	Item	Status	Statewide or Regional Project	Org. Lead
A-16	General Order for Poultry Facilities	2017-01-23 Order No. R5-2016-0087, Adopted on 6 December 2016. A General Order update is scheduled to be presented in front of the Board in August 2017.	Regional	R5
*A-16	Phase I update of the Bay-Delta Plan:- San Joaquin River flows and southern Delta salinity.	2016-08-03 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 in summer of 2016. Draft plan amendment to be brought to the Board for consideration in early 2017.	Statewide	SB
A-16	Petition Order for Central Valley Regional Board's Eastern San Joaquin Agricultural Order	2016-12-14 On February 8th, 2016, the State Water Board released a proposed order, SWRCB/OCC File A-2239(a)-(c), in response to petitions for review of the Central Valley Regional Water Quality Control Board's Eastern San Joaquin Agricultural Order. On May 4, 2016, a Board workshop was held at the Cal/EPA Building in Sacramento, followed by an additional Board workshop in Fresno, CA on May 17, 2016. The deadline for written public comments was June 1, 2016. Staff workshops were held in Sacramento at CalEPA on October 19, 2016, and November 18, 2016 to provide an opportunity for petition staff to ask detailed questions in response to comments received.	Statewide	SB
A-16	General Order of WDR for Discharges Related to Timberland Management in the Central Valley	2017-01-18 Two initial public meetings were held in late 2015 to discuss changes to the current Timber Waiver of WDRs, this resulted in the drafting of a General Order. Two additional public meetings were held in April 2016 to go over the working draft, resulting in the forming of subject-specific focus groups. Staff presented an informational item to the board in October 2016 and received additional feedback from the board and stakeholders. Staff expects to take a final proposal to the board in spring/summer 2017.	Regional	R5
A-16	Big Creeks Projects - Clean Water Act, Section 401, Water Quality Certification	2016-10-25 The State Water Board is developing a water quality certification and associated California Environmental Quality Act (CEQA) document for six hydroelectric projects that are owned and operated by Southern California Edison Company in Fresno and Madera counties: Big Creek Nos. 2A, 8, and Eastwood; Big Creek No. 3; Mammoth Pool; Vermillion Valley; Portal; and Big Creeks Nos. 1 and 2. The water quality certification will become part of the Federal Energy Regulatory Commission licenses for the six projects. The draft certification and draft CEQA document are expected to be released for public review in the Fourth Quarter 2016.	Statewide	SB
A-16	Report to Legislature on the feasibility of developing uniform recycling criteria for direct potable reuse	2017-01-10 Division of Drinking Water has finalized the Report to the Legislature, and the report was delivered on December 28, 2016 to the legislature. As required by Water Code section 13563, a public review draft of the report was completed, noticed and posted for a 45-day public review and comment period. The public comment period opened on September 8 and closed on October 25, 2016. Staff presented an informational item on the final draft report to the Board on December 6, 2016.	Statewide	SB

Key	Item	Status	Statewide or Regional Project	Org. Lead
A-16	Surface Water Augmentation with Recycled Water Regulations	2016-10-27 The Division of Drinking Water is currently developing the regulation package for use of recycled water to augment surface water reservoirs used for drinking water supplies. As required by Water Code sections 13562 and 13565, an Expert Panel has been assembled to review the criteria and to ultimately make a finding that the criteria are protective of public health. The Expert Panel reviewed the initial draft regulation, which was then submitted for completion of the peer review process required via H&SC section 57004. The Expert Panel has reviewed the peer review comments and is currently formally reviewing the latest draft regulation. If acceptable, the regulation will be noticed for public comment.	Statewide	SB
A-17	Revised Total Coliform Rule	2017-01-09 The Federal Revised Total Coliform Rule became effective on April 1, 2016. Division of Drinking Water staff are in the process of drafting state regulations that are at least as stringent as federal regulations but include California-specific requirements. Staff anticipate releasing draft regulations in the spring of 2017 during public workshops, with a public review period later in 2017 and a proposed Board Adoption date in late 2017 or early 2018.	Statewide	SB
A-17	Bacteria Standards for Ocean and Inland Surface Waters	2017-01-31 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 bacteria. The bacteria water quality objectives are proposed to be adopted as amendments to the Statewide Inland Surface Waters, Enclosed Bays and Estuaries Plan, and the California Ocean Plan. Staff plans to release draft documents for public comment in April 2017. A scoping meeting on the inclusion of a water quality variance policy was held on January 23, 2017. State Board Web site: http://www.waterboards.ca.gov/bacterialobjectives/	Statewide	SB
A-17	Phase II Small Municipal Separate Storm Sewer System (MS4) Permit Amendment	2017-01-17 State Water Board staff developed a proposed amendment for the Small MS4 Statewide General Permit, Attachment G (titled Region-specific Total Maximum Daily Loads (TMDL) Implementation Requirements) and the permit Fact Sheet. The proposed amendment includes:(1) new and revised implementation requirements based on corresponding TMDL wasteload allocations, and (2) final compliance dates for the new and revised implementation requirements. In 2015, an informal draft amendment was released to Regional Water Quality Control Board staff and permittees for administrative review, and subsequent workshops were conducted throughout the state as requested. The draft amendment was changed and the Fact Sheet rewritten to provide history and basis for the TMDL Amendment. The draft amendment is currently under review by State Water Board Office of Chief Counsel.	Statewide	SB
A-17	Statewide Aggregate General Order	2016-08-25 DWQ is preparing a statewide general order for aggregate processing facilities that discharge to land.	Statewide	SB

Key	Item	Status	Statewide or Regional Project	Org. Lead
*A-17	Phase II update of the Bay-Delta Plan: Comprehensive Review	2016-07-13 State Water Board staff is in the process of a phased review and update of the 2006 Water Quality Control Plan for the Bay-Delta (2006 Bay-Delta Plan). The second phase of the review focuses on the following issues: (1) Delta outflow objectives, (2) export/inflow objectives, (3) Delta Cross Channel Gate closure objectives, (4) Suisun Marsh objectives; (5) potential new reverse flow objectives for Old and Middle Rivers; (6) potential new floodplain habitat flow objectives; (7) potential changes to the monitoring and special studies program, and (8) other potential changes to the program of implementation. Staff is preparing a Scientific Basis Report that will provide the underlying scientific support for proposed flow and water quality objectives. The Report will consider recommendations provided in the Delta Science Program's Workshops Panel Summary Reports on Delta Outflows and Related Stressors (May 2014) and Interior Delta Flows and Related Stressors (July 2014). The working draft Scientific Basis Report is expected to be released for public review in late spring/early summer 2016. Staff is also developing a Substitute Environmental Document that will provide an evaluation of the potential environmental impacts of the proposed changes to the Bay-Delta Plan. This document is expected to be released for public review in 2017.	Statewide	SB
A-17	Nonpoint Source (NPS) Implementation and Enforcement Policy Amendments	2016-11-18 The NPS Implementation and Enforcement Policy (NPS Policy) is being updated as directed by Resolution 2012-0004 to reflect the current funding mechanisms for State Water Board and Regional Water Quality Control Board regulation of nonpoint source wastewater discharges. A draft for public review is tentatively scheduled for release in March 2017.	Statewide	SB
A-17	Unified Program Underground Storage Tank Surcharge Increase	2016-10-18 Underground Storage Tank (UST) Leak Prevention Program, as part of the CalEPA Unified Program, is funded by a surcharge applied to each operating UST. Surcharge funding is authorized by California Health and Safety Code. Revenue from the surcharge is intended to cover operating costs at the State Water Resources Control Board to oversee and implement the program, however the current amount fails to do so.	Statewide	SB
A-17	Caltrans Separate Storm Sewer System (MS4) Permit Storm Water Management Plan	2017-01-31 Caltrans Statewide Municipal Storm Water Permit, Attachment IV (Caltrans Permit), identifies Caltrans as a responsible party for 84 TMDLs throughout the State of California, and requires Caltrans to develop and implement a Comprehensive TMDL Monitoring Plan (the CMP). State Water Board staff, in coordination with the Regional Water Board staff and Caltrans staff, developed monitoring proposals for each of the 84 TMDLs, Attachment A of the CMP includes a combination of individual BMP effectiveness monitoring, characterization monitoring, representative site-monitoring, and cooperative agreement monitoring through Coordinated Integrated Monitoring Programs approved by the Regional Water Boards. The CMP was submitted to State Water Board Executive Director for approval, and will be available to the public on the State Water Board Municipal Storm Water website (http://www.waterboards.ca.gov/water_issues/programs/stormwater/caltrans.shtml) in February 2017.		

Key	Item	Status	Statewide or Regional Project	Org. Lead
A-17	Industrial General Storm Water Permit Amendment for TMDL Implementation	2017-01-31 State Water Board staff is developing an Industrial General Permit amendment to incorporate proposed TMDL implementation language into the statewide permit. The proposed permit amendment is being developed in collaboration with the four Regional Water Boards that have adopted TMDLs that include industrial storm water discharges as a pollutant source of water body impairment (San Francisco Bay, Los Angeles, Santa Ana, and San Diego Regional Water Boards). The public comment periods for the four Regional Water Board's draft TMDL implementation language have ended. The Regional Water Boards will not take any board action on the proposed TMDL implementation language. State Water Board staff is reviewing all comments received during the Regional Water Board's public comment periods, developing proposed TMDL implementation language, and identifying the TMDL watersheds for a subsequent public comment period. State Water Board staff anticipates release of the proposed TMDL implementation language for public comment Summer 2017. State Water Board consideration of the proposed permit amendment is anticipated in Winter 2017.	Statewide	SB
A-17	Mercury TMDL and Implementation Plan (Statewide Reservoirs)	2017-01-20 Staff from Regions 2&5 and State Water Board are developing a TMDL and implementation plan to address fish mercury (Hg) impairments in about 150 reservoirs around the state. Staff is preparing the scientific and technical analysis (source analysis, linkage, targets, allocations, and implementation plan options), and regulatory provisions for the implementation plan. The staff report is anticipated to be submitted to scientific peer review in early 2017. Staff met with reservoir operators and other stakeholders in early June 2016. Staff has developed a survey for reservoir operators to provide info on current reservoir management practices and will send the survey to the reservoirs after the staff report is submitted to peer review.	Statewide	R5
A-17	Mercury Water Quality Objectives & Implementation	2017-01-31 In coordination with the Reservoir Mercury TMDL team, staff is preparing mercury provisions, which include both water quality objectives and a plan of implementation. Scientific peer review was initiated on May 1, 2016, and the scientific reviewers' comments were received on September 28, 2016. The draft mercury provisions were provided to the Regional Water Boards for review and comment on October 24, 2016. The draft staff report and the draft regulatory language were released to the public on January 3, 2017. The public comment period will run from January 3, 2017 to February 17, 2017. Staff held public workshops to discuss the proposed mercury provisions on January 9, 2017 and February 1, 2017, and a Board hearing on February 7, 2017.	Statewide	SB
A-17	Trash Water Quality Control Plan Amendments Implementation- Approved Treatment Control devices and systems	2017-01-31 On January 12, 2016, U.S. EPA approved the State Water Board Trash Water Quality Control Plan Amendments. State Water Board staff developed a list of devices that meet the requirements for certification as "full capture systems" as defined in the Trash Water Quality Control Plan Amendments, which were grandfathered in from the Los Angeles and San Francisco Bay Regional Water Boards approved treatment control devices. In September 2016, staff, in coordination with California Stormwater Quality Association (CASQA), requested information from local municipalities about their experiences with the full capture systems. Information regarding the full capture systems will be added to the list as a reference to others seeking to implement a specific system. The completed and approved full capture system list will be available to the public on the State Water Board Municipal Storm Water website (http://www.waterboards.ca.gov/water_issues/programs/stormwater/).	Statewide	SB

Key	Item	Status	Statewide or Regional Project	Org. Lead
*A-17	Maximum Contaminant Level (MCL) for 1,2,3-Trichloropropane (1,2,3-TCP)	2017-01-09 Division of Drinking Water staff have completed drafting all the elements that go into the regulations package, including the regulations text, Initial Statement of Reasons, Cost Estimating Methodology, Form 399 and Attachment A, as well as the Notice of Proposed Rulemaking. The package is currently going through final internal review, which will be followed by CalEPA review before the package is sent to OAL to start the public comment period. Staff has met two major milestones and completed the Major Regulation Analysis (SRIA) and the External Scientific Peer Review and is in the process of completing a draft of the CEQA document for public comment. Staff held focused stakeholder meetings in Visalia, Fresno, and Bakersfield in May and early June and held public workshops in Sacramento (July 20), Bakersfield (July 26), and Fresno (July 28) where the preliminary staff recommendation for an MCL was presented to the public. The public comment period is expected to start in early February 2017 and the public hearing is expected to take place in March 2017. Staff anticipate a Board Adoption date in the spring of 2017, and then provide the regulations package to OAL for its final review and approval. The MCL is anticipated to be effective in the summer of 2017.	Statewide	SB
A-17	State Water Board Water Quality Enforcement Policy Amendments	2016-10-26 State Water Board staff has prepared proposed amendments to the Water Quality Enforcement Policy (Enforcement Policy). In 2010, the State Water Board adopted Resolution No. 2009-0083 amending the Enforcement Policy, which was approved by the Office of Administrative Law. The Enforcement Policy establishes a methodology for assessing administrative civil liability. The use of this methodology addresses the factors that are required to be considered when imposing a civil liability as outlined in Water Code section 13385, subdivision (e). The revised Enforcement Policy was released for public comment in August 2016. State Water Board consideration is planned for Feb. 2017.	Statewide	SB
A-17	Statewide General Waste Discharge Requirements Order for Wineries	2017-01-05 State Water Board staff has prepared a concept paper for developing a statewide general order for wineries. Staff is collaborating with stakeholders to prepare a draft requirements matrix. Staff continues to hold meetings with wine industry representatives and additional outreach meetings will be scheduled	Statewide	SB
A-17	Toxicity Amendments to the Inland Surface Waters, Enclosed Bays, and Estuaries Plan	2017-01-03 The draft amendment was circulated to the various Regional Boards for review and comment. Public Release of the draft staff report and proposed amendment is anticipated for May 2017 with a Board Hearing in June 2017. The proposed amendment is anticipated to be presented to the Board for consideration in September 2017.	Statewide	SB

Key	Item	Status	Statewide or Regional Project	Org. Lead
*A-17	Procedures for Discharges of Dredged or Fill Materials to Waters of the State (Proposed for Inclusion in the Water Quality Control Plan for Inland Surface Waters and Enclosed Bays and Estuaries)	2017-01-31 State Water Board staff is developing proposed Procedures for Discharges of Dredged or Fill Materials to Waters of the State. The draft procedures were released for public comments on June 17, 2016 and the Board held a hearing on July 19, 2016. The Comment period closed on August 18. Staff is reviewing comments and working on revisions to the policy, with a second public release anticipated for May 2017.	Statewide	SB
A-17	Natural Gas Company Discharges from Hydrostatic Testing Of Pipelines and Related Activities	2017-01-31 State Water Board staff is working with stakeholders to develop a Statewide General Order to regulate discharges from construction, hydrostatic testing, operation, and maintenance of natural gas facilities. The proposed Statewide General Order will provide regulatory coverage for discharges to surface water and land. The proposed Statewide General Order and the proposed CEQA documents will be issued for public review and comment in Spring 2017, with subsequent State Water Board consideration of adoption in Summer 2017.	Statewide	SB
*A-17	2014 and 2016 California Integrated Report Adoption	2017-01-10 Staff will combine the 2014 and 2016 California Integrated Reports and schedule the California CWA Section 303(d) List for approval at a State Water Board Meeting not later than September 2017. This will allow the six participating Regional Water Boards (2, 3, 4, 5, 8, and 9) sufficient time to complete development of their reports and complete their Regional Water Board approval process. Regions 3, 5, and 9 have approved their Regional Water Board 303(d) Lists. Regions 2, 4, and 8 are working towards Regional Water Board approval in early 2017.	Statewide	SB
A-17	Sediment Quality Objectives (SQOs) for Enclosed Bays and Estuaries: Phase II	2017-01-31 Water Board staff is developing a methodology to 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 early 2017, followed by release of draft documents in April 2017. A public hearing and board meeting are anticipated for May 2017 and December 2017 respectively.	Statewide	SB

Key	Item	Status	Statewide or Regional Project	Org. Lead
A-18	Permanent (Regular) Regulations for Point Of Use/Point of Entry Treatment Devices	2016-04-20 The State Water Board will be adopting permanent regulations governing the use of point-of-use and point-of-entry treatment devices by a public water system (PWS), in lieu of centralized treatment. Existing law requires the State Water Board to first adopt emergency regulations, followed by standard regulations, to establish criteria for applicable PWS that choose to provide treatment for drinking water through the use of POU or POE treatment devices. Emergency regulations were adopted by the Board on March 15, 2016 and became effective on April 1, 2016. Permanent regulations have to be effective by January 1, 2018 and Division of Drinking Water staff are in the process of drafting the permanent regulations.	Statewide	SB
A-18	Biostimulatory & Biological integrity Project	2017-01-31 Staff held Focus Group meetings from February 2016 to June 2016. An outreach document is available for public review at the State Water Board's website on the nutrient objectives webpage. Staff plans to update the project's Regulatory and Stakeholder Advisory Groups on the technical science and information received during the focused stakeholder outreach meetings. Southern California Coastal Water Research Project staff are researching and developing the biological condition gradient model that will be used in the assessment of the effects of nutrients on stream biological conditions. A Stakeholder Advisory Group meeting was held on 12/22/2016 to update everyone on the revised work and science plans. Staff is updating the project webpage. A CEQA scoping meeting is anticipated for late 2017.	Statewide	SB
A-18	Statewide Urban Pesticides Reduction	2017-01-31 The State Water Board is developing a statewide multi-agency framework for urban pesticides reduction that will be proposed as amendments to both the Inland Surface Waters, Enclosed Bays, and Estuaries Plan, and to the Ocean Plan. A multi-stakeholder project team is developing proposals for (1) an inter-agency coordination framework, (2) a regional monitoring framework, and (3) suggested permit language for MS4 permittees. The project is in the early development phase with outreach expected to begin in early 2017.	Statewide	SB
A-18	Amendment to the Recycled Water Policy	2017-01-17 The State Water Board adopted a resolution December 6, 2016 directing staff to amend the Recycled Water Policy and re-convene the Science Advisory Panel for Constituents of Emerging Concern. While the resolution outlined a preliminary list of topics to be updated or added to the policy, the resolution directs staff to work with stakeholders to develop an amendment to the policy and release a draft for public comment by March 2018. State Water Board staff is also developing a project charter and timeline for the next update of the Recycled Water Policy.	Statewide	SB
A-18	Environmental Laboratory Accreditation Regulations	2016-10-27 Division of Drinking Water staff will draft new regulations governing the accreditation of laboratories under the Environmental Laboratory Accreditation Program (ELAP). The draft regulations clarify the roles of State Water Board lab auditors and the laboratories to ensure efficient, effective, and flexible implementation of ELAP. The draft regulations are in development and staff anticipate compiling the final regulation package in the last quarter of 2016 and initiate the rule-making process in the 2nd quarter of 2017.	Statewide	SB

Key	Item	Status	Statewide or Regional Project	Org. Lead
*A	Onsite Wastewater Treatment Systems (OWTS) Policy Implementation	2016-10-04 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 9. State and Regional Water Board staff have been meeting with local agencies to facilitate LAMP development. On June 24, 2016, State Water Board staff held an informational forum with the Regional Boards to discuss policy implementation, LAMP submittals and reviews, challenges & successes, and statewide program coordination. To date, eight LAMPs have been approved by Regional Boards.	Statewide	SB
A	Chlorine Amendment	2017-01-31 The draft Total Residual Chlorine and Chlorine-Produced Oxidants Policy of California is being converted into an amendment to the Water Quality Control Plan for Inland Surface Waters, Enclosed Bays, and Estuaries of California.	Statewide	SB
A	General Order for Bovine Feedlots	2017-01-23 General Order to regulate bovine feedlots (other than dairies - e.g., heifer facilities, calf raising facilities, beef cattle facilities). Administrative Draft has been circulated. Tentative release is scheduled for February 2017, and is anticipated to be presented to the Board for consideration in April 2017.	Regional	5
A	SB 83, Section 45 - Produced Water Pond Report	2017-02-02 The State Water Board posted on its website a status report on the regulation of oil field produced water ponds within each region on July 29, 2016. Link to report: http://www.waterboards.ca.gov/water_issues/programs/groundwater/sb4/index.shtml . Produced water is water extracted during oil production. The report included a tally of produced water ponds statewide by region, the number of permitted and unpermitted ponds, enforcement actions taken, and the status of permitting the unpermitted sites. The report will be updated every six months.	Statewide	SB
A	Natural Resources	2017-01-31 Staff is developing recommendations for making designations where natural background exceeds the water quality objectives.	Statewide	SB
A	CV-SALTS Developing a Salinity and Nitrate Management Plan for all basins in the Central Valley Basin Plan Amendment for the Sacramento River and San Joaquin River Basin Plan, Tulare Lake Basin Plan and the Delta Water Quality Control Plan	2017-01-26 Salt and Nitrate Management Plan posted a www.cvsalinity.org at the end of 2016 and formally submitted to the Central Valley Water Board on 12 January 2017. Hearing to consider acceptance of SNMP and direction to staff to begin Basin Plan Amendment process scheduled for 9 March 2017.	Regional	R5

Key	Item	Status	Statewide or Regional Project	Org. Lead
A	Revision of General Order for Existing Dairies	2017-01-23 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 Board consideration of the General Order for Bovine Feedlots.	Regional	R5
A	Implement Lower San Joaquin River Salt/Boron TMDL	2017-01-25 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. Both updated MAA and a phased RTMP approved during 4 December 2014 Central Valley Water Board meeting (Resolutions R5-2014-0150 and R5-2014-0151, respectively). Salt load allocations also 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 Addendum in November 2015. USBR also submitted annual report updates in January 2016 and January 2017. The RTMP stakeholders formed a steering committee in October 2015 with the first meeting on March 1, 2016. The steering committee submitted its first annual report on March 31, 2016 and the second in January 2017. The steering committee has applied for a DWR grant for west side San Joaquin Valley monitoring stations on tributaries to the Lower San Joaquin River. USBR FY16/17 Annual Workplan was accepted by EO in September 2016.	Regional	R5
A	Blue Green Algae Action Levels	2017-01-03 State Water Board staff is working with a multi-entity workgroup consisting of the Water Boards, California Department of Public Health, Office of Environmental Health Hazard Assessment, United States Environmental Protection Agency, California Fish and Wildlife, the Department of Water Resources, tribes, water managers, and other interested parties to collaboratively work toward solutions in protecting the public, pets, livestock, and wildlife from the effects of harmful algal blooms (HABs). A charter for the CCHAB Network (a workgroup of the Water Quality monitoring Council) was approved by the CCHAB Network on September 29th. The group has also completed updates to portions of the the Draft Voluntary Guidance Document for California HABs related to cyanotoxin action levels, monitoring, and posting public notices of warning or closure. A web portal has been developed and is available to the public to assist in tracking blooms and alerting the public to the possible risks. Additional resources are being developed, including more complete information on sampling and monitoring blooms, information sheets for veterinarians, physicians, and the public on symptoms and health effects, and possible mitigation measures. The CCHAB Network meets quarterly in January, April, July, and October. U.S. EPA recently released draft criteria for two cyanotoxins, microcystin and cylindrospermopsin. Comments are due to U.S. EPA by February 17, 2017.	Statewide	SB
A	New winery waste guidelines	2017-01-26 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. New state-wide general order being developed with consideration of these recommendations as well as others through the outreach program.	Regional	R5

Key	Item	Status	Statewide or Regional Project	Org. Lead
A	Development of water quality criteria for the herbicides oxyfluorfen, prometryn, simazine and trifluralin and the insecticide fipronil. Recommended aquatic life criteria are being developed UC Davis under contract with RB5.	2017-02-02 Draft UC Davis criteria documents for the four herbicides were released for public comment (including comments on potential peer review topics) in June 2016. The Draft fipronil criteria document was released for public comment (including comments on potential peer review topics) in October 2016. Peer reviews are scheduled for August 2016-February 2017. Final reports will be complete in April 2017. for more information please see: http://www.waterboards.ca.gov/centralvalley/water_issues/tmdl/central_valley_projects/central_valley_pesticides/criteria_method/	Regional	R5
A	USFS MOU for BAER activities	2016-05-20 Staff has engaged the USFS in drafting an MOU that will outline the process by which the Regional Boards may choose to participate in USFS Burned Area Emergency Response (BAER) teams. Temporarily on hold due to vacancies at the Regional USFS office.	Regional	R5
A	Development of permit for Federal Non-Point Source activities on Forest Lands	2017-01-18 R5 staff is working with the USFS and the BLM to develop a permit to cover NPS activities with the potential to affect water quality. The R5 MS4 permit is being used as a model and an EIR will be developed to address CEQA. Additionally, our region is collaborating on this project with R6 and are currently working on a joint public participation plan.	Regional	R5
A	Delta Regional Monitoring Program-RMP	2017-01-20 The Delta RMP work plan and budget for FY16/17 includes toxicity/pesticides, pathogens, mercury, and nutrients.	Statewide	SB
A	Groundwater Quality Protection Strategy	2017-01-26 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 implementation of the priority actions were provided at the June 2012, December 2013, and February 2016 Central Valley Water Board meetings. An addendum to the Strategy has been made to incorporate Board input and posted on the Board's website. Fiscal Year 16/17 Workplan for ongoing and new actions is under development.	Regional	R5
A	Cadmium Objective and Hardness Implementation Policy	2016-11-01 U.S. EPA updated its 304(a) recommended criteria for acute and chronic freshwater and saltwater aquatic life beneficial uses. However, the freshwater criteria are less stringent than required by the Endangered Species Act biological reviews of the California Toxics Rule in 2000 and the 2002 U.S. EPA acute cadmium criterion for freshwater adopted by the State of Oregon. Because Oregon shares Evolutionarily Significant Units for listed (threatened or endangered) species with Northern California, staff is awaiting the outcome of a rulemaking by U.S. EPA specific to Oregon. The rulemaking is expected to be finalized in summer 2019. Staff is developing proposed policy options for statewide cadmium objectives given this complex set of national and regional U.S. EPA cadmium criteria.	Statewide	SB

Key	Item	Status	Statewide or Regional Project	Org. Lead
A	Statewide Storm Water Construction General Permit Reissuance	2017-01-17 State Water Board staff is developing the draft permit language for the reissuance of the current Statewide Storm Water Construction General Permit (also referred to as the CGP). The proposed CGP reissuance will include implementation of Total Maximum Daily Loads (TMDLs) and revisions to update the CGP requirements per information collected during the term of the existing permit. Further information on the development of the proposed permit reissuance, including stakeholder outreach information, will be located on the State Water Board's Construction Storm Water Program website at: http://www.waterboards.ca.gov/water_issues/programs/stormwater/construction.shtml	Statewide	SB
A	Suction Dredge Mining Activity	2017-01-31 Senate Bill 637 amended the California Water Code and the California Fish and Game Code to address the existing moratorium on suction dredge mining. As amended, the Water Code requires the State Water Board to gather stakeholder input to assist in its determination regarding how to regulate suction dredge mining activities. The Department of Fish and Wildlife (DFW) must amend its regulations to allow DFW permits to be issued after a suction dredge miner obtains a permit or correspondence from the State Water Board permitting the proposed mining activity. State Water Board staff, together with DFW staff, conducted four public outreach workshops throughout the State in January 2017 and will conduct a fifth in Sacramento on February, 6 2017.	Statewide	SB
A	Implement Mercury TMDL/Control Program in Cache Creek Watershed - Sacramento River and San Joaquin River Basin Plan	2017-01-20 Mining wastes at six inactive mercury (Hg) mines in the upper Cache Creek watershed were remediated in summer 2016 to prevent the continued erosion of mercury sediment into Sulphur Creek, a tributary to Cache Creek.	Regional	R5
P	Water Effects Ratios	2016-07-25 The project will establish criteria for developing site specific objectives for metals based on the water effect ratios for a specific water body. Staff will prepare a proposed Water Effects Ratio Policy at a future date.	Statewide	SB
P	Antidegradation Policy	2016-11-10 The State Water Board issued a draft scoping document and held follow-up focused stakeholder meetings in June and July 2015. Comments from these meetings are summarized and posted on the program website. State Water Board staff is not actively working on a statewide policy for implementation of the Antidegradation Policy for discharges to groundwater. The draft Eastern San Joaquin River Watershed Agricultural Order addresses some of the larger issues the stakeholders identified during staff's outreach efforts. Staff will consider what additional guidance or regulatory action is necessary after the State Water Board issues a final order in the Eastern San Joaquin matter.	Statewide	SB

Key	Item	Status	Statewide or Regional Project	Org. Lead
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	2017-01-26 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 2018.	Regional	R5
P	New Manual of Good Practice for Land Application of Food Processing/Rinse Water	2017-01-26 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

Status Code Key:
White = Active effort (A)
Light Green = Targeted for completion in 2016 (A-16)
Lavender = Targeted for completion in 2017 (A-17)
Pink = Targeted for completion in 2018 (A-18)
Gray = Suspended or No statewide effort at this time or Pending (P)
Note: * indicates Board Priority

ATTACHMENT A - Sanitary Sewer Overflow (SSO) Spills – Summary Report
 Count of Spills for August 2016 through November 2016

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	
August 2016	0	1	7	8	1	0	2	3	6	4	109	119	130
September 2016	0	1	9	10	0	0	0	0	3	1	118	122	132
October 2016	0	2	7	9	0	0	1	1	5	0	119	124	134
November 2016	0	0	6	6	2	0	0	2	5	2	140	147	155
Total	0	4	29	33	3	0	3	6	19	7	486	512	551

Spill Cause	Count of Spills	%
Root Intrusion	321	58.3%
Debris-General	91	16.5%
Grease Deposition (FOG)	49	8.9%
Debris-Rags	16	2.9%
Other	17	3.1%
Pipe Structural Problem/Failure	13	2.4%
Operator Error	10	1.8%
Vandalism	6	1.1%
Air Relief Valve (ARV)/Blow-Off Valve (BOV) Failure	6	1.1%
Pump Station Failure-Mechanical	4	0.7%
Debris from Lateral	3	0.5%
Pump Station Failure-Controls	3	0.5%
Damage by others not related to CS Const/Maint.	3	0.5%
Debris from Construction	2	0.4%
Pump Station Failure-Power	2	0.4%
Construction Diversion Failure	1	0.2%
CS Maintenance Caused Spill/Damage	1	0.2%
Flow Exceeded Capacity (Separate CS Only)	1	0.2%
Inappropriate Discharge to CS	1	0.2%
Non-Dispersables	1	0.2%
Grand Total	551	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

ATTACHMENT A - Sanitary Sewer Overflow (SSO) Spills - August 2016 through November 2016

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	Modesto CS	555011001	829609	Certified	Category 1	BEARD BROOK PARK	Stanislaus	Yes	464,187	464,187	10/28/2016	Flow Exceeded Capacity (Separate CS Only)	
SS	City Of Jackson CS	555010895	827497	Certified	Category 2	Sand Pit	Amador	No	21,600	-	8/21/2016	Debris-General	
SS	Sacramento Area Sewer District CS	555010912	830007	Certified	Category 1		167301	Sacramento	Yes	21,600	21,600	8/29/2016	Root Intrusion
SF	Reedley, City Of CS	555010757	829557	Certified	Category 2	Reedley Cricket Hollow Park	Fresno	No	19,200	-	10/26/2016	Other (specify below)	
SS	City of Stockton MUD CS	555011433	827456	Certified	Category 1	Force Main- Fourteen Mile Slough West Levee - West of 3751 Hatchers Cr	San Joaquin	Yes	11,780	11,191	8/23/2016	Pipe Structural Problem/Failure	
SF	Sanger CS	555011342	828558	Certified	Category 2	Faller Stormwater Basin	Fresno	No	10,000	-	8/10/2016	Other (specify below)	
SR	Redding City CS	555010801	830257	Certified	Category 1	1681 E. Cypress Ave	Shasta	Yes	10,000	10,000	11/25/2016	Other (specify below)	
SS	Grass Valley City CS	555010958	829658	Certified	Category 1	900 Golden Gate Terrace	Nevada	Yes	9,200	5,220	10/31/2016	Debris-General	
SS	City of Stockton MUD CS	555011433	827360	Certified	Category 2	26 South San Joaquin Street	San Joaquin	No	7,185	-	8/13/2016	Debris-General	
SS	Galt CS	555010951	828151	Certified	Category 2	City of Galt Live Oak Lift Station	Sacramento	No	6,500	-	9/12/2016	Air Relief Valve (ARV)/Blow-Off Valve (BOV) Failure	
SF	North Kern State Prison CS	555011195	828093	Certified	Category 2	North Kern State Prison - Delano	Kern	No	6,000	-	9/3/2016	Pump Station Failure-Power	
SS	Deer Creek CS	555010923	829879	Certified	Category 1	DC-2016-11-12	El Dorado	Yes	2,557	820	11/17/2016	Debris-General	
SS	Clearlake Oaks Co Wtr Dis CS	555010906	830103	Certified	Category 2	Lift Station 10	Lake	No	2,000	-	8/6/2016	Pump Station Failure-Controls	
SS	Clearlake Oaks Co Wtr Dis CS	555010906	830105	Certified	Category 2	Lift Station 10	Lake	No	2,000	-	8/9/2016	Pump Station Failure-Controls	
SF	City of Hanford CS	555011229	828962	Certified	Category 2	Pump Station #53	Kings	No	2,000	-	10/9/2016	Operator Error	
SS	City of Sacramento Utilities CS	555010901	829824	Certified	Category 2	652 WOODLAKE DR, SACRAMENTO, CA	Sacramento	No	1,928	-	11/14/2016	Debris-General	
SR	Redding City CS	555010801	829998	Certified	Category 1	2395 Bechelli Ln	Shasta	Yes	1,500	1,250	11/20/2016	Debris-Rags	
SS	Easterly CS	555010938	830148	Certified	Category 1	North of 6391 Leisure Town Road, Vacaville, CA 95687	Solano	Yes	1,215	1,215	11/14/2016	Air Relief Valve (ARV)/Blow-Off Valve (BOV) Failure	
SR	Redding City CS	555010801	827540	Certified	Category 1	1600 Filaree Dr.	Shasta	Yes	1,040	1,000	8/24/2016	Debris-Rags	
SS	Discovery Bay CS	555010929	829657	Certified	Category 2	L/S 5 on Foghorn Ct. and Regatta Park	Contra Costa	No	1,000	-	11/3/2016	Pipe Structural Problem/Failure	
SS	Modesto CS	555011001	827978	Certified	Category 3	2402 McHenry Ave	Stanislaus	No	975	-	9/4/2016	Debris-Rags	
SS	Amador City CS	555010863	829703	Certified	Category 1	Bar Screen at Amador City Wastewater Treatment Facility	Amador	Yes	950	500	11/8/2016	Debris-Rags	
SS	City of Sacramento Utilities CS	555010901	830367	Certified	Category 3	781 WOODLAKE DR, SACRAMENTO, CA	Sacramento	No	908	-	11/30/2016	Root Intrusion	
SS	Sacramento Area Sewer District CS	555010912	830192	Certified	Category 3		169798	Sacramento	No	785	-	10/12/2016	Root intrusion
SS	Galt CS	555010951	829828	Certified	Category 3	Live Oak Pump Station	Sacramento	No	750	-	11/16/2016	Air Relief Valve (ARV)/Blow-Off Valve (BOV) Failure	
SS	Ceres CS	555010721	829576	Certified	Category 3	1324 Hatch Rd. McDonalds lateral spill to storm L/S	Stanislaus	No	740	-	10/31/2016	Debris-Rags	
SS	Sacramento Area Sewer District CS	555010912	830206	Certified	Category 3		170292	Sacramento	No	593	-	10/18/2016	Root intrusion
SF	Atwater CS	555010716	828897	Certified	Category 3	261 E. Bellevue Rd	Merced	No	540	-	9/30/2016	Pipe Structural Problem/Failure	
SR	Redding City CS	555010801	827588	Certified	Category 3	3370 Magnums Way Redding CA	Shasta	No	525	-	8/23/2016	Debris-General	
SF	Tehachapi Correctional Inst CS	555010763	829602	Certified	Category 3	Facility E CCI Tehachapi	Kern	No	500	-	11/1/2016	Debris-Rags	
SS	Sacramento Area Sewer District CS	555010912	829490	Certified	Category 3		168724	Sacramento	No	489	-	9/23/2016	Air Relief (ARV)/Blow-Off (BOV) Valve Failure
SS	City of Sacramento Utilities CS	555010901	827595	Certified	Category 3	4924 CRESTWOOD WAY, SACRAMENTO, CA	Sacramento	No	484	-	8/28/2016	Root Intrusion	
SS	City of Stockton MUD CS	555011433	828563	Certified	Category 1	2041 Fontana Avenue	San Joaquin	Yes	450	50	9/27/2016	Pipe Structural Problem/Failure	
SS	City Of Jackson CS	555010895	827057	Certified	Category 1	565 Clinton rd. Jackson ca.	Amador	Yes	450	300	8/6/2016	Grease Deposition (FOG)	
SS	Sacramento Area Sewer District CS	555010912	830173	Certified	Category 3		169506	Sacramento	No	372	-	10/6/2016	Root Intrusion
SS	Lake Berryessa Resort CS	555010981	829702	Certified	Category 3	Manhole A-2.1	Napa	No	350	-	10/30/2016	Debris-Rags	
SS	Discovery Bay CS	555010929	827532	Certified	Category 1	Newport Drive and Newport Court	Contra Costa	Yes	350	50	8/25/2016	Air Relief Valve (ARV)/Blow-Off Valve (BOV) Failure	
SS	City Of Ripon CS	555010900	827406	Certified	Category 3	204 Washington Ave.	San Joaquin	No	320	-	8/21/2016	Debris-Rags	
SS	City Of Ripon CS	555010900	830147	Certified	Category 3	Seventh Street	San Joaquin	No	315	-	11/29/2016	Debris-General	
SS	Patterson CS	555011021	827511	Certified	Category 3	409 Vicki Lynn	Stanislaus	No	300	-	8/24/2016	Other (specify below)	
SS	Marysville CS	555010994	829780	Certified	Category 3	2510 Cheim Blvd.	Yuba	No	300	-	10/11/2016	Debris-General	
SS	Southeast Regional Waste Disp Fac CS	555011055	829672	Certified	Category 3	3652 Cypress St., Clearlake, CA 95422	Lake	No	300	-	11/7/2016	Root Intrusion	
SS	Murphys CS	555011007	827981	Certified	Category 3	Manhole # 23	Calaveras	No	294	-	8/22/2016	Grease Deposition (FOG)	
SS	Sacramento Area Sewer District CS	555010912	831310	Certified	Category 3		172620	Sacramento	No	294	-	11/16/2016	Damage by others not related to CS Const/Maint.
SS	City Of Antioch CS	555010890	828802	Certified	Category 3	3960 Delta De Anza Trail, Antioch CA	Contra Costa	No	273	-	9/16/2016	Debris-General	
SF	East Niles Community Services CS	555010733	827976	Certified	Category 3	Intersection of Virginia & Poinsettia streets	Kern	No	270	-	9/3/2016	Grease Deposition (FOG)	
SF	Los Banos City CS	555011310	827000	Certified	Category 3	Parkwood Drive X Maplewood Court, Los Banos, CA	Merced	No	250	-	8/2/2016	Pump Station Failure-Controls	
SF	SA-2 Bass Lake CS	555011319	827094	Certified	Category 3	53313 Rd 432	Madera	No	250	-	8/8/2016	Debris-General	
SS	Marysville CS	555010994	830377	Certified	Category 3	604 19th Street	Yuba	No	250	-	11/23/2016	Debris-General	
SS	Sacramento Area Sewer District CS	555010912	831303	Certified	Category 3		172424	Sacramento	No	250	-	11/14/2016	Root Intrusion
SF	City of Fresno CS	555011202	829831	Certified	Category 3	MH 561-58	Fresno	No	249	-	11/3/2016	Root Intrusion	
SS	Hangtown Creek CS	555010965	828247	Certified	Category 3	2740 Tunnel St	El Dorado	No	240	-	8/27/2016	Grease Deposition (FOG)	
SS	City Of Antioch CS	555010890	829973	Certified	Category 3	59 Danridge Ct, Antioch CA 94509	Contra Costa	No	226	-	11/17/2016	Pipe Structural Problem/Failure	
SS	Pacific Gardens Sanitary District CS	555011480	830122	Certified	Category 3	2679 Calariva	San Joaquin	No	220	-	10/9/2016	Root Intrusion	
SS	City Of Jackson CS	555010895	827114	Certified	Category 1	210 brodway Jackson ca. 95642	Amador	Yes	214	22	8/8/2016	Other (specify below)	
SS	Sacramento Area Sewer District CS	555010912	828707	Certified	Category 3		166855	Sacramento	No	212	-	8/25/2016	Root intrusion
SF	City of Fresno CS	555011202	830664	Certified	Category 3	MH 1857-70	Fresno	No	211	-	11/23/2016	Root Intrusion	
SS	Sacramento Area Sewer District CS	555010912	831273	Certified	Category 3		171833	Sacramento	No	202	-	11/7/2016	Root intrusion
SS	Calaveras Big Trees State Park CS	555010880	827309	Certified	Category 3	Calaveras Big Trees State Park North Grove Dump Station	Calaveras	No	200	-	8/14/2016	Inappropriate Discharge to CS	
SS	Clearlake Oaks Co Wtr Dis CS	555010906	830968	Certified	Category 3	Lift Station 12	Lake	No	200	-	8/8/2016	Operator Error	
SS	Rio Vista Waste Trt Facility CS	555011037	827936	Certified	Category 3	400 River Rd. Rio Vista, Ca	Solano	No	200	-	9/1/2016	Pump Station Failure-Mechanical	
SF	SA-2 Bass Lake CS	555011319	829337	Certified	Category 3	Lift Station # 1	Madera	No	200	-	10/23/2016	Pump Station Failure-Mechanical	
SF	MD-7 Marina View CS	555011320	830136	Certified	Category 3	Force Main to Gravity manhole	Madera	No	200	-	11/26/2016	Root Intrusion	
SS	Marysville CS	555010994	830375	Certified	Category 3	1611 SWEETZ STREET	Yuba	No	200	-	11/23/2016	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	Sacramento Area Sewer District CS	55SO10912	830235	Certified	Category 3		171303	Sacramento	No	199	-	10/29/2016	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	830198	Certified	Category 3		168982	Sacramento	No	162	-	10/12/2016	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	829469	Certified	Category 3		168336	Sacramento	No	153	-	9/16/2016	Root intrusion
5F	Atwater CS	55SO10716	827984	Certified	Category 3	Winton Way and Cedar Ave		Merced	No	150	-	9/5/2016	Root Intrusion
SS	Modesto CS	55SO11001	830344	Certified	Category 3	1501 Oakdale Rd Modesto Ca		Stanislaus	No	137	-	11/27/2016	Other (specify below)
SS	Sacramento Area Sewer District CS	55SO10912	831356	Certified	Category 3		173367	Sacramento	No	135	-	11/30/2016	Debris-General
SS	Sacramento Area Sewer District CS	55SO10912	828697	Certified	Category 3		166575	Sacramento	No	132	-	8/20/2016	Root intrusion
5R	Gridley CS	55SO10820	827212	Certified	Category 3	apx. 400 ft. south of 280 Fairview Dr. behind safetyway		Butte	No	125	-	8/11/2016	Grease Deposition (FOG)
SS	Modesto CS	55SO11001	829915	Certified	Category 3	1619 Dillion Dr. Modesto Ca		Stanislaus	No	123	-	11/6/2016	Grease Deposition (FOG)
SS	Grass Valley City CS	55SO10958	828967	Certified	Category 3	363 Glenwood Rd manhole #QG-7		Nevada	No	120	-	10/8/2016	Debris-General
SS	Sacramento Area Sewer District CS	55SO10912	828701	Certified	Category 3		166722	Sacramento	No	118	-	8/23/2016	Grease deposition (FOG)
SS	Sacramento Area Sewer District CS	55SO10912	831269	Certified	Category 3		171737	Sacramento	No	111	-	11/4/2016	Root intrusion
SS	City Of Ione CS	55SO10894	827983	Certified	Category 3	City of Ione		Amador	No	110	-	9/1/2016	Root Intrusion
SS	Sacramento Area Sewer District CS	55SO10912	829453	Certified	Category 3		167964	Sacramento	No	107	-	9/12/2016	Grease deposition (FOG)
SS	Sacramento Area Sewer District CS	55SO10912	830208	Certified	Category 3		170314	Sacramento	No	106	-	10/18/2016	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	830224	Certified	Category 3		170634	Sacramento	No	105	-	10/23/2016	Debris-General
SS	Deer Creek CS	55SO10923	829642	Certified	Category 1	DC-2016-11-11		El Dorado	Yes	105	95	11/3/2016	Grease Deposition (FOG)
SS	Sacramento Area Sewer District CS	55SO10912	830214	Certified	Category 3		171304	Sacramento	No	104	-	10/21/2016	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	830236	Certified	Category 3		171304	Sacramento	No	103	-	10/29/2016	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	831266	Certified	Category 3		171633	Sacramento	No	102	-	11/3/2016	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	828281	Certified	Category 1		168226	Sacramento	Yes	101	101	9/15/2016	Root Intrusion
5F	Tuolumne Utilities District CS	55SO10771	828192	Certified	Category 3	manhole at corner of Short Ln and Lyons St		Tuolumne	No	100	-	9/9/2016	Root Intrusion
5F	El Portal CS	55SO10735	828267	Certified	Category 3	El Portal Maintenance Complex Lift Station		Mariposa	No	100	-	9/8/2016	Pump Station Failure-Mechanical
SS	Sacramento Area Sewer District CS	55SO10912	830215	Certified	Category 3		170538	Sacramento	No	98	-	10/21/2016	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	831313	Certified	Category 3		172729	Sacramento	No	92	-	11/17/2016	Other (specify)
SS	Manteca CS	55SO10993	828864	Certified	Category 3	736 Greenlaven		San Joaquin	No	89	-	9/5/2016	Grease Deposition (FOG)
SS	City of Sacramento Utilities CS	55SO10901	829515	Certified	Category 3	7301 29TH ST, SACRAMENTO, CA		Sacramento	No	89	-	10/25/2016	Grease Deposition (FOG)
SS	City of Sacramento Utilities CS	55SO10901	828030	Certified	Category 3	2334 CORK CIRCLE, SACRAMENTO, CA		Sacramento	No	85	-	9/6/2016	Root Intrusion
SS	City of Stockton MUD CS	55SO11433	827840	Certified	Category 3	1233 E Weber Av		San Joaquin	No	81	-	8/30/2016	Debris-General
SS	Sacramento Area Sewer District CS	55SO10912	831308	Certified	Category 3		172501	Sacramento	No	80	-	11/15/2016	Grease deposition (FOG)
SS	Easterly CS	55SO10938	827023	Certified	Category 3	313 Beelard Dr		Solano	No	76	-	8/5/2016	Grease Deposition (FOG)
SS	Angels Camp CS	55SO10865	829680	Certified	Category 3	1512 Vallecito Road		Calaveras	No	75	-	11/6/2016	Root Intrusion
SS	Sacramento Area Sewer District CS	55SO10912	830174	Certified	Category 3		169516	Sacramento	No	73	-	10/6/2016	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	830202	Certified	Category 3		170021	Sacramento	No	72	-	10/13/2016	Root intrusion
5F	City of Fresno CS	55SO11202	828302	Certified	Category 3	MH 2857-20		Fresno	No	71	-	8/12/2016	Construction Diversion Failure
SS	Sacramento Area Sewer District CS	55SO10912	828709	Certified	Category 3		166907	Sacramento	No	71	-	8/25/2016	Debris-General
SS	Sacramento Area Sewer District CS	55SO10912	829474	Certified	Category 3		168399	Sacramento	No	71	-	9/17/2016	Debris-General
SS	Sacramento Area Sewer District CS	55SO10912	831346	Certified	Category 3		173142	Sacramento	No	71	-	11/27/2016	Debris-General
SS	City of Woodland CS	55SO10903	830127	Certified	Category 3	293 Riverside Drive		Yolo	No	71	-	11/9/2016	Root Intrusion
SS	Dry Creek CS	55SO10935	829562	Certified	Category 3	1302 Coloma Wy.		Placer	No	68	-	10/27/2016	Root Intrusion
SS	City of Sacramento Utilities CS	55SO10901	829578	Certified	Category 3	2152 EDISON AVE, SACRAMENTO, CA		Sacramento	No	67	-	10/31/2016	Grease Deposition (FOG)
SS	El Dorado Hills CS	55SO10941	829231	Certified	Category 3	EDH-2016-09-07		El Dorado	No	66	-	9/29/2016	Debris from Construction
SS	City of Sacramento Utilities CS	55SO10901	830128	Certified	Category 3	2394 GLEN ELLEN CIR, SACRAMENTO, CA		Sacramento	No	66	-	11/21/2016	Grease Deposition (FOG)
SS	Sacramento Area Sewer District CS	55SO10912	829494	Certified	Category 3		168788	Sacramento	No	63	-	9/25/2016	Debris-General
SS	Sacramento Area Sewer District CS	55SO10912	829497	Certified	Category 3		168805	Sacramento	No	62	-	9/26/2016	Grease deposition (FOG)
SS	Sacramento Area Sewer District CS	55SO10912	828684	Certified	Category 3		166316	Sacramento	No	60	-	8/16/2016	Root intrusion
SS	City of Stockton MUD CS	55SO11433	827220	Certified	Category 3	203 E. Washington St.		San Joaquin	No	60	-	8/14/2016	Debris-General
SS	Oakdale CS	55SO11017	829220	Certified	Category 3	North 5th avenue and East C street		Stanislaus	No	60	-	10/15/2016	Grease Deposition (FOG)
SS	Sacramento Area Sewer District CS	55SO10912	828169	Certified	Category 1		167861	Sacramento	Yes	60	60	9/10/2016	Root Intrusion
5F	City of Fresno CS	55SO11202	828297	Certified	Category 3	MH 1856-60		Fresno	No	57	-	8/23/2016	Root Intrusion
SS	City of Stockton MUD CS	55SO11433	828763	Certified	Category 3	2732 Shimizu Dr.		San Joaquin	No	55	-	9/27/2016	Air Relief Valve (ARV)/Blow-Off Valve (BOV) Failure
SS	Southeast Regional Waste Disp Fac CS	55SO11055	829614	Certified	Category 3	4995 Kett Ave., Clearlake, ca 95422		Lake	No	54	-	11/2/2016	Root Intrusion
SS	City of Woodland CS	55SO10903	830117	Certified	Category 3	1711 Sixth Sreet		Yolo	No	54	-	11/20/2016	Root Intrusion
SS	Sacramento Area Sewer District CS	55SO10912	830196	Certified	Category 3		169881	Sacramento	No	52	-	10/12/2016	Root intrusion
5F	City Of Bakersfield CS	55SO10717	827470	Certified	Category 3	3800 Auburn St		Kern	No	50	-	8/20/2016	Grease Deposition (FOG)
SS	Mule Creek State Prison CS	55SO11005	828327	Certified	Category 3	Mule Creek State Prison		Amador	No	50	-	9/21/2016	Other (specify below)
SS	San Andreas CS	55SO11048	828609	Certified	Category 3	CO E-1210a		Calaveras	No	50	-	9/27/2016	Other (specify below)
5F	Armona CS	55SO11217	829189	Certified	Category 3	13914 Pimo Street		Kings	No	50	-	10/19/2016	Debris-Rags
5F	City Of Bakersfield CS	55SO10717	829610	Certified	Category 3	Quincy St & Union Ave		Kern	No	50	-	10/29/2016	Grease Deposition (FOG)
5F	Wasco State Prison CS	55SO10775	829792	Certified	Category 3	FACILITY M BUILDING 903, WASCO STATE PRISON		Kern	No	50	-	10/12/2016	Debris-Rags
5R	Kern Sanitation Authority CS	55SO10737	829234	Certified	Category 3	1709 Monterey Street, Bakersfield, CA		Kern	No	50	-	10/19/2016	Debris-Rags
5R	Delleker CS	55SO10810	828872	Certified	Category 3	217 Arriba Ave		Plumas	No	50	-	10/6/2016	Grease Deposition (FOG)
5F	City Of Bakersfield CS	55SO10717	830912	Certified	Category 3	32nd St & San Dimas St		Kern	No	50	-	11/12/2016	Pipe Structural Problem/Failure
SS	City Of Jackson CS	55SO10895	829634	Certified	Category 3	210 Broadway		Amador	No	50	-	11/3/2016	Root Intrusion
SS	Lincoln CS	55SO10987	829768	Certified	Category 3	436 Lincoln Blvd		Placer	No	50	-	11/10/2016	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	Plymouth CS	555011023	829986	Certified	Category 3	18574 Poplar St. Plymouth CA	Amador	No	50	-	11/4/2016	Grease Deposition (FOG)	
SS	Hangtown Creek CS	555010965	829073	Certified	Category 1	2954 Schnell School Rd	El Dorado	Yes	50	50	10/12/2016	Other (specify below)	
SS	City of Woodland CS	555010903	829306	Certified	Category 3	57 Beamer ST Woodland California 95695	Yolo	No	49	-	10/11/2016	Debris-General	
SS	Dry Creek CS	555010935	830004	Certified	Category 3	800 Main St	Placer	No	47	-	11/13/2016	Root Intrusion	
SS	City of Stockton MUD CS	555011433	829625	Certified	Category 3	1617 St. Marks PZ	San Joaquin	No	47	-	11/2/2016	Debris-General	
SS	Davis CS	555010921	829683	Certified	Category 3	750 F street	Yolo	No	45	-	11/3/2016	Root Intrusion	
SS	Sacramento Area Sewer District CS	555010912	831281	Certified	Category 3		171971	Sacramento	No	45	-	11/8/2016	Grease deposition (FOG)
SS	City of Sacramento Combined CS	555010901-C	829514	Certified	Category 3	3125 SAN CARLOS WAY, SACRAMENTO, CA	Sacramento	No	43	-	10/22/2016	Debris-Rags	
SS	Sacramento Area Sewer District CS	555010912	831277	Certified	Category 3		171911	Sacramento	No	43	-	11/7/2016	Root Intrusion
SS	City of Stockton MUD CS	555011433	828282	Certified	Category 3	718 N. Van Buren St.	San Joaquin	No	41	-	9/19/2016	Root Intrusion	
SS	Davis CS	555010921	828524	Certified	Category 3	612 Radcliffe drive	Yolo	No	40	-	9/23/2016	Root Intrusion	
SS	Grass Valley City CS	555010958	828091	Certified	Category 3	131 Richardson Street	Nevada	No	40	-	9/6/2016	Debris-Rags	
SS	Sacramento Area Sewer District CS	555010912	831320	Certified	Category 3		172805	Sacramento	No	40	-	11/20/2016	Debris-General
SS	Sacramento Area Sewer District CS	555010912	829441	Certified	Category 3		167405	Sacramento	No	37	-	9/5/2016	Grease deposition (FOG)
SS	City of Woodland CS	555010903	829311	Certified	Category 3	45 West Main ST Woodland California 95695	Yolo	No	37	-	9/24/2016	Debris-General	
SS	City of Sacramento Utilities CS	555010901	830250	Certified	Category 3	2338 CORK CIR, SACRAMENTO, CA	Sacramento	No	37	-	11/24/2016	Root Intrusion	
SS	Sacramento Area Sewer District CS	555010912	831351	Certified	Category 3		173280	Sacramento	No	35	-	11/29/2016	Root Intrusion
SS	City of Stockton MUD CS	555011433	829875	Certified	Category 3	1570 Telegraph Av	San Joaquin	No	35	-	11/17/2016	Root Intrusion	
SS	Sacramento Area Sewer District CS	555010912	828710	Certified	Category 3		166945	Sacramento	No	33	-	8/26/2016	Root intrusion
SS	City of Stockton MUD CS	555011433	829347	Certified	Category 3	7078 Plymouth Rd	San Joaquin	No	33	-	10/24/2016	Pipe Structural Problem/Failure	
SS	Davis CS	555010921	827476	Certified	Category 3	705 Russell Blvd	Yolo	No	30	-	8/23/2016	Debris-General	
SS	Sacramento Area Sewer District CS	555010912	828657	Certified	Category 3		165766	Sacramento	No	30	-	8/5/2016	Vandalism
SF	City Of Bakersfield CS	555010717	829735	Certified	Category 3	Alley north of Jefferson St east of Beale Ave	Kern	No	30	-	10/26/2016	Grease Deposition (FOG)	
SF	Wasco State Prison CS	555010775	829791	Certified	Category 3	FACILITY C BUILDING 4, WASCO STATE PRISON	Kern	No	30	-	10/11/2016	Debris-Rags	
SS	Sacramento Area Sewer District CS	555010912	830162	Certified	Category 3		169364	Sacramento	No	30	-	10/4/2016	Root Intrusion
SS	Middletown Regional Waste Disp Fac CS	555010997	829722	Certified	Category 3	21425 Valley Oak Dr. Middletown	Lake	No	30	-	11/9/2016	Grease Deposition (FOG)	
SS	SMD No. 1 CS	555011028	830020	Certified	Category 3	209 Channel Hill Rd, Auburn, CA	Placer	No	30	-	11/16/2016	Root Intrusion	
SS	Sacramento Area Sewer District CS	555010912	831290	Certified	Category 3		172220	Sacramento	No	30	-	11/11/2016	Root intrusion
SS	City of Stockton MUD CS	555011433	830006	Certified	Category 3	1695 E. Sixth St.	San Joaquin	No	30	-	11/22/2016	Debris-General	
SS	Tracy CS	555011066	830069	Certified	Category 3	W.Central at Village Dr	San Joaquin	No	30	-	11/26/2016	Other (specify below)	
SS	Sacramento Area Sewer District CS	555010912	829463	Certified	Category 3		168163	Sacramento	No	29	-	9/14/2016	Root intrusion
SS	City of Stockton MUD CS	555011433	827968	Certified	Category 3	8409 Pyrenees Ct.	San Joaquin	No	28	-	9/2/2016	Grease Deposition (FOG)	
SS	Sacramento Area Sewer District CS	555010912	831338	Certified	Category 3		173110	Sacramento	No	28	-	11/25/2016	Root intrusion
SS	Sacramento Area Sewer District CS	555010912	829459	Certified	Category 3		168023	Sacramento	No	27	-	9/13/2016	Root intrusion
SS	City of Stockton MUD CS	555011433	829704	Certified	Category 3	7820 Brentwood Dr.	San Joaquin	No	27	-	11/7/2016	Debris-General	
SS	Waterford CS	555011080	828180	Certified	Category 3	Brigadoon Lane	Stanislaus	No	25	-	9/9/2016	Pump Station Failure-Mechanical	
SS	Sacramento Area Sewer District CS	555010912	830230	Certified	Category 3		171129	Sacramento	No	25	-	10/26/2016	Grease deposition (FOG)
SF	City Of Bakersfield CS	555010717	830911	Certified	Category 3	2800 Marin Ct	Kern	No	25	-	11/30/2016	Grease Deposition (FOG)	
SS	Hangtown Creek CS	555010965	830055	Certified	Category 3	1108 Locust St	El Dorado	No	25	-	11/22/2016	Root Intrusion	
SS	Sacramento Area Sewer District CS	555010912	830227	Certified	Category 3		170698	Sacramento	No	24	-	10/24/2016	Root intrusion
SS	City Of Antioch CS	555010890	829426	Certified	Category 3	1504 Marine Ave., Antioch, CA 94509	Contra Costa	No	23	-	10/19/2016	Root Intrusion	
SS	Sacramento Area Sewer District CS	555010912	828672	Certified	Category 3		166071	Sacramento	No	22	-	8/11/2016	Root intrusion
SS	City of Woodland CS	555010903	827857	Certified	Category 3	9 Woodland Ave.	Yolo	No	21	-	8/22/2016	Root Intrusion	
SS	Sheridan, Zone 6 CS	555010918	828256	Certified	Category 3	5875 Camp Far West Rd, Sheridan	Placer	No	20	-	9/7/2016	Root Intrusion	
SS	City of Stockton MUD CS	555011433	828465	Certified	Category 3	1129 KnickerBocker Dr.	San Joaquin	No	20	-	9/23/2016	Debris-General	
SS	City Of Folsom CS	555010893	829357	Certified	Category 3	950 Leidesdorff St	Sacramento	No	20	-	10/19/2016	Debris-Rags	
SS	Sacramento Area Sewer District CS	555010912	830240	Certified	Category 3		171418	Sacramento	No	20	-	10/31/2016	Root intrusion
SS	Sacramento Area Sewer District CS	555010912	831344	Certified	Category 3		173138	Sacramento	No	20	-	11/27/2016	Root intrusion
SS	Sacramento Area Sewer District CS	555010912	828674	Certified	Category 3		166094	Sacramento	No	19	-	8/12/2016	Root intrusion
SS	Sacramento Area Sewer District CS	555010912	831297	Certified	Category 3		172291	Sacramento	No	19	-	11/12/2016	Root intrusion
SS	Sacramento Area Sewer District CS	555010912	828680	Certified	Category 3		166163	Sacramento	No	18	-	8/14/2016	Vandalism
SS	Dry Creek CS	555010935	828445	Certified	Category 3	411 Greenridge	Placer	No	18	-	9/21/2016	Root Intrusion	
SS	City of Stockton MUD CS	555011433	828377	Certified	Category 3	433 Vincente Way	San Joaquin	No	18	-	9/21/2016	Grease Deposition (FOG)	
SS	Sacramento Area Sewer District CS	555010912	831311	Certified	Category 3		172674	Sacramento	No	18	-	11/17/2016	Root intrusion
SS	Manteca CS	555010993	828184	Certified	Category 3	1031 Pestana	San Joaquin	No	17	-	8/1/2016	Debris from Construction	
SS	Sacramento Area Sewer District CS	555010912	830211	Certified	Category 3		170378	Sacramento	No	17	-	10/19/2016	Root intrusion
SS	Modesto CS	555011001	827521	Certified	Category 3	1106 Custer Ct	Stanislaus	No	15	-	8/15/2016	Grease Deposition (FOG)	
SS	Sacramento Area Sewer District CS	555010912	828653	Certified	Category 3		165600	Sacramento	No	15	-	8/3/2016	Root intrusion
SF	City Of Bakersfield CS	555010717	828605	Certified	Category 3	York Way & Adanac Ct	Kern	No	15	-	9/26/2016	Grease Deposition (FOG)	
SS	Folsom State Prison CS	555011192	828332	Certified	Category 3	Medical Administration Alley	Sacramento	No	15	-	9/21/2016	Debris-General	
SS	City Of Folsom CS	555010893	828516	Certified	Category 3	317 Montrose Dr.	Sacramento	No	15	-	9/4/2016	Root Intrusion	
SS	Sacramento Area Sewer District CS	555010912	829510	Certified	Category 3		169210	Sacramento	No	15	-	9/30/2016	Root intrusion
SS	Oakdale CS	555011017	828901	Certified	Category 3	Linda Court	Stanislaus	No	15	-	10/9/2016	Grease Deposition (FOG)	
SS	Sacramento Area Sewer District CS	555010912	830165	Certified	Category 3		169397	Sacramento	No	15	-	10/5/2016	Grease deposition (FOG)
SS	Dry Creek CS	555010935	830389	Certified	Category 3	701 Sawyer Ct	Placer	No	15	-	11/25/2016	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	
SS	Sacramento Area Sewer District CS	555010912	821350	Certified	Category 3		173267	Sacramento	No	15	-	11/25/2016	Root intrusion
SS	Sacramento Area Sewer District CS	555010912	828692	Certified	Category 3		166490	Sacramento	No	14	-	8/16/2016	Root intrusion
SS	Sacramento Area Sewer District CS	555010912	828693	Certified	Category 3		166517	Sacramento	No	14	-	8/18/2016	Root intrusion
SS	City of Stockton MUD CS	555011433	826917	Certified	Category 3	1127 N. Sutter St.	San Joaquin	No	14	-	8/2/2016	Debris-General	
SS	City of Woodland CS	555010903	828042	Certified	Category 3	1019 Westway Dr.	Yolo	No	14	-	8/31/2016	Pipe Structural Problem/Failure	
SS	Sacramento Area Sewer District CS	555010912	829473	Certified	Category 3		168389	Sacramento	No	14	-	9/17/2016	Root intrusion
SS	Sacramento Area Sewer District CS	555010912	830228	Certified	Category 3		170742	Sacramento	No	14	-	10/24/2016	Root intrusion
SS	City of Stockton MUD CS	555011433	828943	Certified	Category 3	1334 N. Stockton St.	San Joaquin	No	14	-	10/10/2016	Root intrusion	
SS	City of Woodland CS	555010903	830115	Certified	Category 3	130 Sierra St.	Yolo	No	14	-	11/21/2016	Root intrusion	
SS	Sacramento Area Sewer District CS	555010912	829496	Certified	Category 3		168801	Sacramento	No	13	-	9/24/2016	Root intrusion
SS	Sacramento Area Sewer District CS	555010912	830158	Certified	Category 3		169293	Sacramento	No	13	-	10/3/2016	Root intrusion
SS	Sacramento Area Sewer District CS	555010912	830179	Certified	Category 3		169611	Sacramento	No	13	-	10/7/2016	Debris-General
SS	City of Woodland CS	555010903	830125	Certified	Category 3	1634 Archer Dr.	Yolo	No	13	-	11/16/2016	Root intrusion	
SS	City of Woodland CS	555010903	830835	Certified	Category 3	1325 Sixth Street	Yolo	No	13	-	11/30/2016	Root intrusion	
SS	Sacramento Area Sewer District CS	555010912	828661	Certified	Category 3		165841	Sacramento	No	12	-	8/8/2016	Root intrusion
SS	Sacramento Area Sewer District CS	555010912	828673	Certified	Category 3		166093	Sacramento	No	12	-	8/12/2016	Root intrusion
SS	City of Stockton MUD CS	555011433	827877	Certified	Category 3	828 N Madison St.	San Joaquin	No	12	-	8/31/2016	Grease Deposition (FOG)	
SS	City Of Antioch CS	555010890	828196	Certified	Category 3	2224 Coolidge Ct., Antioch, CA	Contra Costa	No	12	-	9/11/2016	Root intrusion	
SS	Sacramento Area Sewer District CS	555010912	829434	Certified	Category 3		167250	Sacramento	No	12	-	9/1/2016	Debris-General
SS	Sacramento Area Sewer District CS	555010912	829444	Certified	Category 3		167486	Sacramento	No	12	-	9/6/2016	Debris-General
SS	Sacramento Area Sewer District CS	555010912	829449	Certified	Category 3		167799	Sacramento	No	12	-	9/9/2016	Root intrusion
SS	City of Stockton MUD CS	555011433	828252	Certified	Category 3	49 W Yokuts Av	San Joaquin	No	12	-	9/16/2016	Debris-General	
SS	Sacramento Area Sewer District CS	555010912	830153	Certified	Category 3		169216	Sacramento	No	12	-	10/2/2016	Root intrusion
SS	Sacramento Area Sewer District CS	555010912	830200	Certified	Category 3		170013	Sacramento	No	12	-	10/13/2016	Debris-General
SS	Sacramento Area Sewer District CS	555010912	831274	Certified	Category 3		171864	Sacramento	No	12	-	11/7/2016	Root intrusion
SS	Sacramento Area Sewer District CS	555010912	831326	Certified	Category 3		172953	Sacramento	No	12	-	11/22/2016	Debris-General
SS	Sacramento Area Sewer District CS	555010912	828690	Certified	Category 3		166410	Sacramento	No	11	-	8/17/2016	Root intrusion
SS	Sacramento Area Sewer District CS	555010912	828691	Certified	Category 3		166451	Sacramento	No	11	-	8/18/2016	Root intrusion
SS	Sacramento Area Sewer District CS	555010912	829437	Certified	Category 3		167368	Sacramento	No	11	-	9/2/2016	Root intrusion
SS	Sacramento Area Sewer District CS	555010912	829488	Certified	Category 3		168709	Sacramento	No	11	-	9/23/2016	Root intrusion
SS	City of Stockton MUD CS	555011433	828739	Certified	Category 3	1128 E. Eight St.	San Joaquin	No	11	-	9/30/2016	Debris-General	
SS	Sacramento Area Sewer District CS	555010912	830163	Certified	Category 3		169367	Sacramento	No	11	-	10/4/2016	Root intrusion
SS	Sacramento Area Sewer District CS	555010912	831270	Certified	Category 3		171790	Sacramento	No	11	-	11/5/2016	Root intrusion
SS	Sacramento Area Sewer District CS	555010912	831301	Certified	Category 3		172418	Sacramento	No	11	-	11/14/2016	Debris-General
SS	Sacramento Area Sewer District CS	555010912	831305	Certified	Category 3		172434	Sacramento	No	11	-	11/15/2016	Root intrusion
SS	Sacramento Area Sewer District CS	555010912	831340	Certified	Category 3		173127	Sacramento	No	11	-	11/26/2016	Root intrusion
5F	City Of Bakersfield CS	555010717	827323	Certified	Category 3	Alley, 3040 Spruce St	Kern	No	10	-	8/15/2016	Grease Deposition (FOG)	
SS	Clearlake Oaks Co Wtr Dis CS	555010906	830107	Certified	Category 3	HWY 20	Lake	No	10	-	8/13/2016	Debris-General	
SS	Davis CS	555010921	827336	Certified	Category 3	920 Villanova Drive	Yolo	No	10	-	8/17/2016	Root intrusion	
SS	City Of Jackson CS	555010895	827553	Certified	Category 3	44 Folger St.	Amador	No	10	-	8/28/2016	Root intrusion	
SS	Sacramento Area Sewer District CS	555010912	828647	Certified	Category 3		165488	Sacramento	No	10	-	8/1/2016	Debris-General
SS	Sacramento Area Sewer District CS	555010912	828663	Certified	Category 3		165893	Sacramento	No	10	-	8/9/2016	Root intrusion
SS	Sacramento Area Sewer District CS	555010912	828675	Certified	Category 3		166140	Sacramento	No	10	-	8/12/2016	Root intrusion
SS	Sacramento Area Sewer District CS	555010912	828687	Certified	Category 3		166363	Sacramento	No	10	-	8/17/2016	Root intrusion
SS	Sacramento Area Sewer District CS	555010912	828696	Certified	Category 3		166574	Sacramento	No	10	-	8/20/2016	Root intrusion
SS	Sacramento Area Sewer District CS	555010912	828704	Certified	Category 3		166817	Sacramento	No	10	-	8/24/2016	Root intrusion
SS	Sacramento Area Sewer District CS	555010912	828711	Certified	Category 3		166978	Sacramento	No	10	-	8/27/2016	Debris-General
5F	Ford City-Taft Heights CS	555010730	828577	Certified	Category 3	Date Street	Kern	No	10	-	9/26/2016	Grease Deposition (FOG)	
SS	Sacramento Area Sewer District CS	555010912	829442	Certified	Category 3		167420	Sacramento	No	10	-	9/6/2016	Root intrusion
SS	Sacramento Area Sewer District CS	555010912	829447	Certified	Category 3		167749	Sacramento	No	10	-	9/9/2016	Debris-General
SS	Sacramento Area Sewer District CS	555010912	829464	Certified	Category 3		168204	Sacramento	No	10	-	9/15/2016	Root intrusion
SS	Sacramento Area Sewer District CS	555010912	829508	Certified	Category 3		169159	Sacramento	No	10	-	9/30/2016	Root intrusion
SS	City of Stockton MUD CS	555011433	828284	Certified	Category 3	1206 Figueroa St.	San Joaquin	No	10	-	9/19/2016	Root intrusion	
SS	Clearlake Oaks Co Wtr Dis CS	555010906	830106	Certified	Category 3	Big Oaks Shopping Center	Lake	No	10	-	10/14/2016	Grease Deposition (FOG)	
SS	Davis CS	555010921	829103	Certified	Category 3	1704 Palm Place	Yolo	No	10	-	10/15/2016	Other (specify below)	
SS	City Of Folsom CS	555010893	830072	Certified	Category 3	647 Hancock	Sacramento	No	10	-	10/31/2016	Other (specify below)	
SS	Sacramento Area Sewer District CS	555010912	830154	Certified	Category 3		169217	Sacramento	No	10	-	10/2/2016	Root intrusion
SS	Sacramento Area Sewer District CS	555010912	830199	Certified	Category 3		169963	Sacramento	No	10	-	10/13/2016	Root intrusion
SS	Davis CS	555010921	829870	Certified	Category 3	44076 NORTH EL MACRO DR.	Yolo	No	10	-	11/15/2016	Other (specify below)	
SS	Modesto CS	555011001	829919	Certified	Category 3	3900 Vintage Dr Modesto Ca	Stanislaus	No	10	-	11/18/2016	Grease Deposition (FOG)	
SS	Sacramento Area Sewer District CS	555010912	831283	Certified	Category 3		172077	Sacramento	No	10	-	11/9/2016	Root intrusion
SS	Sacramento Area Sewer District CS	555010912	831287	Certified	Category 3		172220	Sacramento	No	10	-	11/10/2016	Root intrusion
SS	City of Stockton MUD CS	555011433	829767	Certified	Category 3	6266 Porterfield Ct	San Joaquin	No	10	-	11/8/2016	Debris from Lateral	
SS	Sacramento Area Sewer District CS	555010912	828654	Certified	Category 3		165679	Sacramento	No	9	-	8/4/2016	Root intrusion
SS	Sacramento Area Sewer District CS	555010912	828656	Certified	Category 3		165736	Sacramento	No	9	-	8/5/2016	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	
SS	Sacramento Area Sewer District CS	55SO10912	928667	Certified	Category 3		166017	Sacramento	No	9	-	8/11/2016	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	928686	Certified	Category 3		166347	Sacramento	No	9	-	8/17/2016	Root intrusion
SS	City Of Antioch CS	55SO10890	928271	Certified	Category 3	10 Russel Dr., Antioch, CA 92509		Contra Costa	No	9	-	9/19/2016	Other (specify below)
SS	Sacramento Area Sewer District CS	55SO10912	929462	Certified	Category 3		168162	Sacramento	No	9	-	9/14/2016	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	929470	Certified	Category 3		168346	Sacramento	No	9	-	9/16/2016	Root intrusion
SS	City of Stockton MUD CS	55SO11433	928028	Certified	Category 3	760 Sutherland Dr.		San Joaquin	No	9	-	9/6/2016	Root Intrusion
SS	Sacramento Area Sewer District CS	55SO10912	930168	Certified	Category 3		169416	Sacramento	No	9	-	10/5/2016	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	930169	Certified	Category 3		169417	Sacramento	No	9	-	10/5/2016	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	930226	Certified	Category 3		170697	Sacramento	No	9	-	10/24/2016	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	931309	Certified	Category 3		172617	Sacramento	No	9	-	11/16/2016	Debris-General
SS	Sacramento Area Sewer District CS	55SO10912	931322	Certified	Category 3		172811	Sacramento	No	9	-	11/19/2016	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	931341	Certified	Category 3		173129	Sacramento	No	9	-	11/27/2016	Debris-General
SS	City of Woodland CS	55SO10903	931051	Certified	Category 3	1014 Cottonwood Sreet		Yolo	No	9	-	11/30/2016	Root Intrusion
SS	Sacramento Area Sewer District CS	55SO10912	928655	Certified	Category 3		165709	Sacramento	No	8	-	8/5/2016	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	928713	Certified	Category 3		166996	Sacramento	No	8	-	8/27/2016	Debris-General
SS	City of Stockton MUD CS	55SO11433	927270	Certified	Category 3	1912 E. Twelfth St.		San Joaquin	No	8	-	8/15/2016	Debris-General
SS	City of Stockton MUD CS	55SO11433	927504	Certified	Category 3	2118 Raymond Ave.		San Joaquin	No	8	-	8/24/2016	Root Intrusion
SS	Sacramento Area Sewer District CS	55SO10912	929452	Certified	Category 3		167876	Sacramento	No	8	-	9/11/2016	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	929457	Certified	Category 3		168019	Sacramento	No	8	-	9/13/2016	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	929484	Certified	Category 3		168632	Sacramento	No	8	-	9/21/2016	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	929489	Certified	Category 3		168720	Sacramento	No	8	-	9/23/2016	Debris-General
SS	Dry Creek CS	55SO10935	928840	Certified	Category 3	602 Dove		Placer	No	8	-	10/3/2016	Non-Dispersables
SS	Sacramento Area Sewer District CS	55SO10912	930178	Certified	Category 3		169608	Sacramento	No	8	-	10/7/2016	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	930212	Certified	Category 3		170382	Sacramento	No	8	-	10/19/2016	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	930233	Certified	Category 3		171207	Sacramento	No	8	-	10/27/2016	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	931280	Certified	Category 3		171967	Sacramento	No	8	-	11/8/2016	Vandalism
SS	Sacramento Area Sewer District CS	55SO10912	931295	Certified	Category 3		172286	Sacramento	No	8	-	11/12/2016	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	931299	Certified	Category 3		172299	Sacramento	No	8	-	11/12/2016	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	931314	Certified	Category 3		172754	Sacramento	No	8	-	11/18/2016	Debris-General
SS	Sacramento Area Sewer District CS	55SO10912	931329	Certified	Category 3		173020	Sacramento	No	8	-	11/22/2016	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	931333	Certified	Category 3		173068	Sacramento	No	8	-	11/23/2016	Debris-General
SS	Sacramento Area Sewer District CS	55SO10912	931334	Certified	Category 3		173088	Sacramento	No	8	-	11/23/2016	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	931347	Certified	Category 3		173151	Sacramento	No	8	-	11/27/2016	Root intrusion
SS	City of Stockton MUD CS	55SO11433	930274	Certified	Category 3	126 E. Pine St.		San Joaquin	No	8	-	11/30/2016	Root Intrusion
SS	Sacramento Area Sewer District CS	55SO10912	928659	Certified	Category 3		165803	Sacramento	No	7	-	8/7/2016	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	928722	Certified	Category 3		167160	Sacramento	No	7	-	8/30/2016	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	929440	Certified	Category 3		167404	Sacramento	No	7	-	9/4/2016	Debris-General
SS	Sacramento Area Sewer District CS	55SO10912	929458	Certified	Category 3		168020	Sacramento	No	7	-	9/13/2016	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	929460	Certified	Category 3		168105	Sacramento	No	7	-	9/14/2016	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	929479	Certified	Category 3		168445	Sacramento	No	7	-	9/19/2016	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	929505	Certified	Category 3		169040	Sacramento	No	7	-	9/28/2016	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	929507	Certified	Category 3		169063	Sacramento	No	7	-	9/28/2016	Root intrusion
SS	City of Stockton MUD CS	55SO11433	928733	Certified	Category 3	1230 N. San Jose St.		San Joaquin	No	7	-	9/29/2016	Grease Deposition (FOG)
SS	Sacramento Area Sewer District CS	55SO10912	930171	Certified	Category 3		169421	Sacramento	No	7	-	10/5/2016	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	930193	Certified	Category 3		169807	Sacramento	No	7	-	10/12/2016	Root intrusion
SS	City Of Live Oak CS	55SO10898	929795	Certified	Category 3	2911 Elm Street Live Oak Ca 95953		Sutter	No	7	-	11/14/2016	Debris-General
SS	Sacramento Area Sewer District CS	55SO10912	931271	Certified	Category 3		171800	Sacramento	No	7	-	11/5/2016	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	931282	Certified	Category 3		172057	Sacramento	No	7	-	11/9/2016	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	931296	Certified	Category 3		172287	Sacramento	No	7	-	11/12/2016	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	931302	Certified	Category 3		172433	Sacramento	No	7	-	11/14/2016	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	931324	Certified	Category 3		172902	Sacramento	No	7	-	11/21/2016	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	931335	Certified	Category 3		173093	Sacramento	No	7	-	11/23/2016	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	928646	Certified	Category 3		165483	Sacramento	No	6	-	8/1/2016	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	928706	Certified	Category 3		166830	Sacramento	No	6	-	8/24/2016	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	928725	Certified	Category 3		167242	Sacramento	No	6	-	8/31/2016	Debris-General
SS	City of Woodland CS	55SO10903	927854	Certified	Category 3	166 Buckeye St.		Yolo	No	6	-	8/20/2016	Debris-Rags
SS	Sacramento Area Sewer District CS	55SO10912	929443	Certified	Category 3		167454	Sacramento	No	6	-	9/5/2016	Debris-General
SS	Sacramento Area Sewer District CS	55SO10912	929487	Certified	Category 3		168708	Sacramento	No	6	-	9/22/2016	Debris-General
SS	Sacramento Area Sewer District CS	55SO10912	929502	Certified	Category 3		169002	Sacramento	No	6	-	9/28/2016	Root intrusion
SS	City of Stockton MUD CS	55SO11433	927965	Certified	Category 3	2645 Plantation Pl.		San Joaquin	No	6	-	9/1/2016	Debris-General
SS	City Of Lakeport CS	55SO10896	929318	Certified	Category 3	450 Hillcrest Dr.		Lake	No	6	-	10/22/2016	Root Intrusion
SS	Sacramento Area Sewer District CS	55SO10912	930155	Certified	Category 3		169239	Sacramento	No	6	-	10/2/2016	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	930172	Certified	Category 3		169487	Sacramento	No	6	-	10/6/2016	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	930189	Certified	Category 3		169761	Sacramento	No	6	-	10/11/2016	Debris-General
SS	Sacramento Area Sewer District CS	55SO10912	930194	Certified	Category 3		169830	Sacramento	No	6	-	10/11/2016	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	
SS	Sacramento Area Sewer District CS	55SO10912	830197	Certified	Category 3		169885	Sacramento	No	6	-	10/12/2016	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	830205	Certified	Category 3		170210	Sacramento	No	6	-	10/17/2016	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	830210	Certified	Category 3		170376	Sacramento	No	6	-	10/19/2016	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	830223	Certified	Category 3		170633	Sacramento	No	6	-	10/23/2016	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	830231	Certified	Category 3		171131	Sacramento	No	6	-	10/26/2016	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	830239	Certified	Category 3		171413	Sacramento	No	6	-	10/31/2016	Root intrusion
SS	City of Stockton MUD CS	55SO11433	829345	Certified	Category 3	833 MacDuff Av	San Joaquin	No	6	-	10/22/2016	Root Intrusion	
SS	Sacramento Area Sewer District CS	55SO10912	831278	Certified	Category 3		171918	Sacramento	No	6	-	11/7/2016	Debris-General
SS	Sacramento Area Sewer District CS	55SO10912	831288	Certified	Category 3		172210	Sacramento	No	6	-	11/10/2016	Debris-General
SS	Sacramento Area Sewer District CS	55SO10912	831294	Certified	Category 3		172282	Sacramento	No	6	-	11/12/2016	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	831298	Certified	Category 3		172298	Sacramento	No	6	-	11/12/2016	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	831300	Certified	Category 3		172307	Sacramento	No	6	-	11/13/2016	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	831316	Certified	Category 3		172778	Sacramento	No	6	-	11/18/2016	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	831349	Certified	Category 3		173211	Sacramento	No	6	-	11/28/2016	Root intrusion
SF	City Of Bakersfield CS	55SO10717	827904	Certified	Category 3	400 White Ln	Kern	No	5	-	8/29/2016	Grease Deposition (FOG)	
SS	Dry Creek CS	55SO10935	827536	Certified	Category 3	1713 Tanglewood Ln	Placer	No	5	-	8/12/2016	Root Intrusion	
SS	Sacramento Area Sewer District CS	55SO10912	828662	Certified	Category 3		165867	Sacramento	No	5	-	8/8/2016	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	828677	Certified	Category 3		166150	Sacramento	No	5	-	8/13/2016	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	828683	Certified	Category 3		166265	Sacramento	No	5	-	8/15/2016	Debris-General
SS	Sacramento Area Sewer District CS	55SO10912	828702	Certified	Category 3		166735	Sacramento	No	5	-	8/23/2016	Debris-General
SS	Sacramento Area Sewer District CS	55SO10912	828705	Certified	Category 3		166821	Sacramento	No	5	-	8/24/2016	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	828708	Certified	Category 3		166897	Sacramento	No	5	-	8/25/2016	Root intrusion
SS	City of Woodland CS	55SO10903	827512	Certified	Category 3	201 WilliamsSt	Yolo	No	5	-	8/4/2016	Debris-General	
SF	City Of Bakersfield CS	55SO10717	828370	Certified	Category 3	Pinon Springs Circle West	Kern	No	5	-	9/13/2016	Grease Deposition (FOG)	
SS	El Dorado Hills CS	55SO10941	829230	Certified	Category 3	EDH-2016-09-06	El Dorado	No	5	-	9/29/2016	Root Intrusion	
SS	City Of Jackson CS	55SO10895	828165	Certified	Category 3	215 mountain view	Amador	No	5	-	9/12/2016	Root Intrusion	
SS	Sacramento Area Sewer District CS	55SO10912	829436	Certified	Category 3		167311	Sacramento	No	5	-	9/1/2016	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	829450	Certified	Category 3		167853	Sacramento	No	5	-	9/10/2016	Vandalism
SS	Sacramento Area Sewer District CS	55SO10912	829461	Certified	Category 3		168115	Sacramento	No	5	-	9/13/2016	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	829465	Certified	Category 3		168228	Sacramento	No	5	-	9/15/2016	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	829477	Certified	Category 3		168412	Sacramento	No	5	-	9/18/2016	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	829481	Certified	Category 3		168555	Sacramento	No	5	-	9/20/2016	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	829492	Certified	Category 3		168773	Sacramento	No	5	-	9/24/2016	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	829499	Certified	Category 3		168863	Sacramento	No	5	-	9/26/2016	Debris-General
SS	Yuba City CS	55SO11100	828424	Certified	Category 3	1215 Plumas Street	Sutter	No	5	-	9/21/2016	Debris-General	
SS	Davis CS	55SO10921	829099	Certified	Category 3	1015 Lstreet	Yolo	No	5	-	10/11/2016	CS Maintenance Caused Spill/Damage	
SS	Dry Creek CS	55SO10935	829388	Certified	Category 3	300 James	Placer	No	5	-	10/20/2016	Root Intrusion	
SS	Sacramento Area Sewer District CS	55SO10912	830175	Certified	Category 3		169517	Sacramento	No	5	-	10/6/2016	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	830185	Certified	Category 3		169671	Sacramento	No	5	-	10/8/2016	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	830187	Certified	Category 3		169704	Sacramento	No	5	-	10/11/2016	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	830188	Certified	Category 3		169758	Sacramento	No	5	-	10/11/2016	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	830191	Certified	Category 3		169797	Sacramento	No	5	-	10/12/2016	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	830195	Certified	Category 3		169851	Sacramento	No	5	-	10/12/2016	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	830201	Certified	Category 3		170019	Sacramento	No	5	-	10/13/2016	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	830207	Certified	Category 3		170305	Sacramento	No	5	-	10/18/2016	Debris-General
SS	Sacramento Area Sewer District CS	55SO10912	830213	Certified	Category 3		170433	Sacramento	No	5	-	10/20/2016	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	830222	Certified	Category 3		170632	Sacramento	No	5	-	10/23/2016	Debris-General
SS	Sacramento Area Sewer District CS	55SO10912	830234	Certified	Category 3		171298	Sacramento	No	5	-	10/29/2016	Debris-General
SS	City of Stockton MUD CS	55SO11433	829161	Certified	Category 3	2506 Tiffany St.	San Joaquin	No	5	-	10/17/2016	Grease Deposition (FOG)	
SS	City of Stockton MUD CS	55SO11433	829394	Certified	Category 3	2205 Catamaran Wy	San Joaquin	No	5	-	10/26/2016	Debris-General	
SS	Olivehurst CS	55SO11019	829726	Certified	Category 3	Olivehurst / Plumas Lake	Yuba	No	5	-	11/9/2016	Vandalism	
SS	Dry Creek CS	55SO10935	829712	Certified	Category 3	114 Vernon St.	Placer	No	5	-	11/7/2016	Root Intrusion	
SS	Sacramento Area Sewer District CS	55SO10912	831286	Certified	Category 3		172193	Sacramento	No	5	-	11/10/2016	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	831291	Certified	Category 3		172231	Sacramento	No	5	-	11/11/2016	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	831304	Certified	Category 3		172425	Sacramento	No	5	-	11/14/2016	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	831306	Certified	Category 3		172441	Sacramento	No	5	-	11/14/2016	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	831307	Certified	Category 3		172477	Sacramento	No	5	-	11/15/2016	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	831327	Certified	Category 3		172958	Sacramento	No	5	-	11/21/2016	Debris-General
SS	Sacramento Area Sewer District CS	55SO10912	831328	Certified	Category 3		172998	Sacramento	No	5	-	11/22/2016	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	831339	Certified	Category 3		173113	Sacramento	No	5	-	11/26/2016	Root intrusion
SS	Stonagate Village CS	55SO11060	829988	Certified	Category 3	3247 Jefferson Dr.	Sutter	No	5	-	11/8/2016	Pump Station Failure-Power	
SS	Hangtown Creek CS	55SO10965	828928	Certified	Category 1	2954 Schnell School Rd	El Dorado	Yes	5	-	10/7/2016	Other (specify below)	
SS	Sacramento Area Sewer District CS	55SO10912	828648	Certified	Category 3		165489	Sacramento	No	4	-	8/1/2016	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	828660	Certified	Category 3		165860	Sacramento	No	4	-	8/7/2016	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	828664	Certified	Category 3		165947	Sacramento	No	4	-	8/8/2016	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	
SS	Sacramento Area Sewer District CS	55SO10912	928666	Certified	Category 3		166005	Sacramento	No	4	-	8/10/2016	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	928670	Certified	Category 3		166065	Sacramento	No	4	-	8/11/2016	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	928681	Certified	Category 3		166181	Sacramento	No	4	-	8/15/2016	Debris-General
SS	Sacramento Area Sewer District CS	55SO10912	928694	Certified	Category 3		166520	Sacramento	No	4	-	8/19/2016	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	928716	Certified	Category 3		167063	Sacramento	No	4	-	8/29/2016	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	928717	Certified	Category 3		167078	Sacramento	No	4	-	8/29/2016	Debris-General
SS	Sacramento Area Sewer District CS	55SO10912	928719	Certified	Category 3		167100	Sacramento	No	4	-	8/30/2016	Grease deposition (FOG)
SS	Sacramento Area Sewer District CS	55SO10912	928724	Certified	Category 3		167213	Sacramento	No	4	-	8/31/2016	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	929448	Certified	Category 3		167798	Sacramento	No	4	-	9/9/2016	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	929455	Certified	Category 3		168005	Sacramento	No	4	-	9/13/2016	Operator error
SS	Sacramento Area Sewer District CS	55SO10912	929471	Certified	Category 3		168352	Sacramento	No	4	-	9/16/2016	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	929472	Certified	Category 3		168380	Sacramento	No	4	-	9/17/2016	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	929495	Certified	Category 3		168797	Sacramento	No	4	-	9/26/2016	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	929498	Certified	Category 3		168836	Sacramento	No	4	-	9/26/2016	Debris-General
SS	Sacramento Area Sewer District CS	55SO10912	929503	Certified	Category 3		169016	Sacramento	No	4	-	9/28/2016	Root intrusion
SS	City of Stockton MUD CS	55SO11433	828623	Certified	Category 3	821 N American St	San Joaquin	No	4	-	9/28/2016	Grease Deposition (FOG)	
SS	Sacramento Area Sewer District CS	55SO10912	830156	Certified	Category 3		169240	Sacramento	No	4	-	10/3/2016	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	830159	Certified	Category 3		169310	Sacramento	No	4	-	10/3/2016	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	830161	Certified	Category 3		169334	Sacramento	No	4	-	10/4/2016	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	830164	Certified	Category 3		169384	Sacramento	No	4	-	10/4/2016	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	830166	Certified	Category 3		169402	Sacramento	No	4	-	10/5/2016	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	830177	Certified	Category 3		169588	Sacramento	No	4	-	10/7/2016	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	830181	Certified	Category 3		169626	Sacramento	No	4	-	10/8/2016	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	830184	Certified	Category 3		169639	Sacramento	No	4	-	10/9/2016	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	830203	Certified	Category 3		170160	Sacramento	No	4	-	10/16/2016	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	830232	Certified	Category 3		171195	Sacramento	No	4	-	10/27/2016	Root intrusion
SS	City of Stockton MUD CS	55SO11433	828905	Certified	Category 3	1231 E Miner Av	San Joaquin	No	4	-	10/7/2016	Debris-General	
SS	City of Stockton MUD CS	55SO11433	829126	Certified	Category 3	3137 Valley Forge Dr.	San Joaquin	No	4	-	10/17/2016	Debris-General	
SS	Sacramento Area Sewer District CS	55SO10912	831263	Certified	Category 3		171502	Sacramento	No	4	-	11/1/2016	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	831265	Certified	Category 3		171581	Sacramento	No	4	-	11/2/2016	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	831267	Certified	Category 3		171688	Sacramento	No	4	-	11/3/2016	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	831285	Certified	Category 3		172190	Sacramento	No	4	-	11/10/2016	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	831289	Certified	Category 3		172212	Sacramento	No	4	-	11/10/2016	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	831315	Certified	Category 3		172755	Sacramento	No	4	-	11/18/2016	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	831321	Certified	Category 3		172807	Sacramento	No	4	-	11/20/2016	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	831323	Certified	Category 3		172873	Sacramento	No	4	-	11/21/2016	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	831325	Certified	Category 3		172924	Sacramento	No	4	-	11/22/2016	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	831336	Certified	Category 3		173100	Sacramento	No	4	-	11/25/2016	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	831337	Certified	Category 3		173109	Sacramento	No	4	-	11/24/2016	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	831342	Certified	Category 3		173131	Sacramento	No	4	-	11/27/2016	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	831353	Certified	Category 3		173324	Sacramento	No	4	-	11/29/2016	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	831354	Certified	Category 3		173329	Sacramento	No	4	-	11/29/2016	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	831357	Certified	Category 3		173380	Sacramento	No	4	-	11/30/2016	Root intrusion
SS	City Of Antioch CS	55SO10890	828157	Certified	Category 3	805 Roxbury Ct, Antioch, CA	Contra Costa	No	3	-	8/31/2016	Damage by Others Not Related to CS Construction/Maintenance (Specify Below)	
SS	City Of Antioch CS	55SO10890	828159	Certified	Category 3	3101 Rio Grande Dr, Antioch, CA	Contra Costa	No	3	-	8/25/2016	Debris from Lateral	
SS	Sacramento Area Sewer District CS	55SO10912	828665	Certified	Category 3		165957	Sacramento	No	3	-	8/10/2016	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	828668	Certified	Category 3		166036	Sacramento	No	3	-	8/11/2016	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	828678	Certified	Category 3		166154	Sacramento	No	3	-	8/13/2016	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	828679	Certified	Category 3		166162	Sacramento	No	3	-	8/14/2016	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	828682	Certified	Category 3		166262	Sacramento	No	3	-	8/16/2016	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	828685	Certified	Category 3		166332	Sacramento	No	3	-	8/17/2016	Debris-General
SS	Sacramento Area Sewer District CS	55SO10912	828689	Certified	Category 3		166397	Sacramento	No	3	-	8/16/2016	Debris-General
SS	Sacramento Area Sewer District CS	55SO10912	828698	Certified	Category 3		166583	Sacramento	No	3	-	8/20/2016	Pipe Structural Problem/Failure
SS	Sacramento Area Sewer District CS	55SO10912	828714	Certified	Category 3		167002	Sacramento	No	3	-	8/28/2016	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	828721	Certified	Category 3		167136	Sacramento	No	3	-	8/30/2016	Root intrusion
SS	City of Woodland CS	55SO10903	827855	Certified	Category 3	1108 Gum Ave	Yolo	No	3	-	8/21/2016	Root intrusion	
SS	City Of Antioch CS	55SO10890	828195	Certified	Category 3	213 W. 18th St., Antioch, CA	Contra Costa	No	3	-	9/8/2016	Debris-General	
SS	Deer Creek CS	55SO10923	829264	Certified	Category 3	DC-2016-09-10	El Dorado	No	3	-	9/25/2016	Pipe Structural Problem/Failure	
SS	Dry Creek CS	55SO10935	828212	Certified	Category 3	205 Bonny Knoll	Placer	No	3	-	9/13/2016	Root intrusion	
SS	Sacramento Area Sewer District CS	55SO10912	829439	Certified	Category 3		167392	Sacramento	No	3	-	9/4/2016	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	829454	Certified	Category 3		167965	Sacramento	No	3	-	9/12/2016	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	829480	Certified	Category 3		168476	Sacramento	No	3	-	9/18/2016	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	829493	Certified	Category 3		168785	Sacramento	No	3	-	9/25/2016	Debris-General
SS	Sacramento Area Sewer District CS	55SO10912	829500	Certified	Category 3		168953	Sacramento	No	3	-	9/27/2016	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	829506	Certified	Category 3		169062	Sacramento	No	3	-	9/28/2016	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	
SS	Sacramento Area Sewer District CS	SSSO10912	830157	Certified	Category 3		169260	Sacramento	No	3	-	10/27/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	830160	Certified	Category 3		169311	Sacramento	No	3	-	10/4/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	830170	Certified	Category 3		169419	Sacramento	No	3	-	10/5/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	830176	Certified	Category 3		169559	Sacramento	No	3	-	10/7/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	830209	Certified	Category 3		170332	Sacramento	No	3	-	10/19/2016	Pipe Structural Problem/Failure
SS	Sacramento Area Sewer District CS	SSSO10912	830217	Certified	Category 3		170602	Sacramento	No	3	-	10/22/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	830225	Certified	Category 3		170683	Sacramento	No	3	-	10/24/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	830237	Certified	Category 3		171312	Sacramento	No	3	-	10/30/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	831264	Certified	Category 3		171515	Sacramento	No	3	-	11/1/2016	Debris-General
SS	Sacramento Area Sewer District CS	SSSO10912	831276	Certified	Category 3		171902	Sacramento	No	3	-	11/7/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	831279	Certified	Category 3		171936	Sacramento	No	3	-	11/7/2016	Debris-General
SS	Sacramento Area Sewer District CS	SSSO10912	831292	Certified	Category 3		172249	Sacramento	No	3	-	11/11/2016	Debris-General
SS	Sacramento Area Sewer District CS	SSSO10912	831318	Certified	Category 3		172801	Sacramento	No	3	-	11/20/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	831330	Certified	Category 3		173040	Sacramento	No	3	-	11/23/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	831332	Certified	Category 3		173058	Sacramento	No	3	-	11/23/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	831355	Certified	Category 3		173333	Sacramento	No	3	-	11/30/2016	Root intrusion
SS	Hangtown Creek CS	SSSO10965	828934	Certified	Category 1	2954 Schnell School Rd	El Dorado	Yes	3	3	10/8/2016	Pipe Structural Problem/Failure	
SS	Rancho Marieta Community Service District CS	SSSO11487	829927	Certified	Category 1	Reynosa & Celebrar	Sacramento	Yes	3	3	11/19/2016	Debris-General	
SS	Sacramento Area Sewer District CS	SSSO10912	828649	Certified	Category 3		165557	Sacramento	No	2	-	8/3/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	828650	Certified	Category 3		165580	Sacramento	No	2	-	8/3/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	828658	Certified	Category 3		165800	Sacramento	No	2	-	8/6/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	828669	Certified	Category 3		166041	Sacramento	No	2	-	8/11/2016	Operator error
SS	Sacramento Area Sewer District CS	SSSO10912	828676	Certified	Category 3		166148	Sacramento	No	2	-	8/13/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	828699	Certified	Category 3		166640	Sacramento	No	2	-	8/22/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	828703	Certified	Category 3		166738	Sacramento	No	2	-	8/23/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	828715	Certified	Category 3		167024	Sacramento	No	2	-	8/27/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	828718	Certified	Category 3		167081	Sacramento	No	2	-	8/29/2016	Debris-General
SS	Sacramento Area Sewer District CS	SSSO10912	828723	Certified	Category 3		167199	Sacramento	No	2	-	8/31/2016	Root intrusion
SS	City of Stockton MUD CS	SSSO11433	827396	Certified	Category 3	3344 S. Airport Way	San Joaquin	No	2	-	8/18/2016	Root intrusion	
SS	Sacramento Area Sewer District CS	SSSO10912	829435	Certified	Category 3		167300	Sacramento	No	2	-	9/1/2016	Debris-General
SS	Sacramento Area Sewer District CS	SSSO10912	829451	Certified	Category 3		167862	Sacramento	No	2	-	9/10/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	829456	Certified	Category 3		168018	Sacramento	No	2	-	9/13/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	829466	Certified	Category 3		168230	Sacramento	No	2	-	9/15/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	829467	Certified	Category 3		168305	Sacramento	No	2	-	9/16/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	829478	Certified	Category 3		168442	Sacramento	No	2	-	9/19/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	829483	Certified	Category 3		168601	Sacramento	No	2	-	9/21/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	829485	Certified	Category 3		168633	Sacramento	No	2	-	9/21/2016	Operator error
SS	Sacramento Area Sewer District CS	SSSO10912	829486	Certified	Category 3		168674	Sacramento	No	2	-	9/22/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	829491	Certified	Category 3		168760	Sacramento	No	2	-	9/23/2016	Damage by others not related to CS Const/Maint.
SS	Sacramento Area Sewer District CS	SSSO10912	829501	Certified	Category 3		168960	Sacramento	No	2	-	9/27/2016	Grease deposition (FOG)
SS	Sacramento Area Sewer District CS	SSSO10912	829504	Certified	Category 3		169021	Sacramento	No	2	-	9/28/2016	Root intrusion
SS	City of Stockton MUD CS	SSSO11433	828095	Certified	Category 3	2243 Tilden Park St.	San Joaquin	No	2	-	9/7/2016	Debris-General	
SS	Dry Creek CS	SSSO10935	829319	Certified	Category 3	302 Margaret Wy	Placer	No	2	-	10/19/2016	Root intrusion	
SS	Sacramento Area Sewer District CS	SSSO10912	830180	Certified	Category 3		169621	Sacramento	No	2	-	10/7/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	830182	Certified	Category 3		169629	Sacramento	No	2	-	10/8/2016	Debris-General
SS	Sacramento Area Sewer District CS	SSSO10912	830186	Certified	Category 3		169674	Sacramento	No	2	-	10/8/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	830204	Certified	Category 3		170181	Sacramento	No	2	-	10/17/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	830216	Certified	Category 3		170595	Sacramento	No	2	-	10/22/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	830218	Certified	Category 3		170605	Sacramento	No	2	-	10/22/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	830219	Certified	Category 3		170613	Sacramento	No	2	-	10/23/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	830220	Certified	Category 3		170618	Sacramento	No	2	-	10/23/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	830221	Certified	Category 3		170624	Sacramento	No	2	-	10/23/2016	Root intrusion
SS	City Of Folsom CS	SSSO10893	830074	Certified	Category 3	113 Danforth Ct.	Sacramento	No	2	-	11/12/2016	Root intrusion	
SS	Sacramento Area Sewer District CS	SSSO10912	831268	Certified	Category 3		171722	Sacramento	No	2	-	11/4/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	831272	Certified	Category 3		171822	Sacramento	No	2	-	11/6/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	831275	Certified	Category 3		171890	Sacramento	No	2	-	11/7/2016	Grease deposition (FOG)
SS	Sacramento Area Sewer District CS	SSSO10912	831284	Certified	Category 3		172108	Sacramento	No	2	-	11/9/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	831312	Certified	Category 3		172723	Sacramento	No	2	-	11/7/2016	Debris-General
SS	Sacramento Area Sewer District CS	SSSO10912	831319	Certified	Category 3		172802	Sacramento	No	2	-	11/19/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	831331	Certified	Category 3		173052	Sacramento	No	2	-	11/23/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	831343	Certified	Category 3		173133	Sacramento	No	2	-	11/27/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	831352	Certified	Category 3		173287	Sacramento	No	2	-	11/29/2016	Root intrusion
SS	City of Sacramento Utilities CS	SSSO10901	829979	Certified	Category 3	620 GRAND AVE, SACRAMENTO, CA	Sacramento	No	2	-	11/11/2016	Grease Deposition (FOG)	
SS	Pacific Gardens Sanitary District CS	SSSO11480	830969	Certified	Category 3	3627 DELANO AVE	San Joaquin	No	2	-	11/22/2016	Debris-General	
SS	Sacramento Area Sewer District CS	SSSO10912	827236	Certified	Category 1		166031	Sacramento	Yes	2	2	8/11/2016	Pipe Structural Problem/Failure

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	Sacramento Area Sewer District CS	5SSO10912	828645	Certified	Category 3		165467	Sacramento	No	1	-	8/1/2016	Operator error
SS	Sacramento Area Sewer District CS	5SSO10912	828652	Certified	Category 3		165589	Sacramento	No	1	-	8/3/2016	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	828671	Certified	Category 3		166068	Sacramento	No	1	-	8/11/2016	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	828688	Certified	Category 3		166380	Sacramento	No	1	-	8/17/2016	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	828695	Certified	Category 3		166553	Sacramento	No	1	-	8/20/2016	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	828700	Certified	Category 3		166679	Sacramento	No	1	-	8/23/2016	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	828712	Certified	Category 3		166988	Sacramento	No	1	-	8/27/2016	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	828720	Certified	Category 3		167106	Sacramento	No	1	-	8/30/2016	Root intrusion
SF	City Of Bakersfield CS	5SSO10717	828632	Certified	Category 3	Spruce St & 30th St	Yuba	No	1	-	9/28/2016	Other (specify below)	
SS	Sacramento Area Sewer District CS	5SSO10912	829438	Certified	Category 3		167387	Sacramento	No	1	-	9/3/2016	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	829445	Certified	Category 3		167497	Sacramento	No	1	-	9/6/2016	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	829446	Certified	Category 3		167561	Sacramento	No	1	-	9/7/2016	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	829468	Certified	Category 3		168334	Sacramento	No	1	-	9/16/2016	Operator error
SS	Sacramento Area Sewer District CS	5SSO10912	829475	Certified	Category 3		168409	Sacramento	No	1	-	9/16/2016	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	829476	Certified	Category 3		168411	Sacramento	No	1	-	9/18/2016	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	829482	Certified	Category 3		168600	Sacramento	No	1	-	9/21/2016	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	829509	Certified	Category 3		169201	Sacramento	No	1	-	9/30/2016	Root intrusion
SS	City of Stockton MUD CS	5SSO11433	828288	Certified	Category 3	1121 S. Sutter St.	San Joaquin	No	1	-	9/19/2016	Debris-General	
SS	Yuba City CS	5SSO11100	828414	Certified	Category 3	754 Bridge Street	Sutter	No	1	-	9/16/2016	Root Intrusion	
SS	Yuba City CS	5SSO11100	828415	Certified	Category 3	754 Bridge Street	Sutter	No	1	-	9/16/2016	Root Intrusion	
SS	Sacramento Area Sewer District CS	5SSO10912	830167	Certified	Category 3		169405	Sacramento	No	1	-	10/4/2016	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	830183	Certified	Category 3		169638	Sacramento	No	1	-	10/9/2016	Operator error
SS	Sacramento Area Sewer District CS	5SSO10912	830190	Certified	Category 3		169780	Sacramento	No	1	-	10/11/2016	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	830229	Certified	Category 3		171082	Sacramento	No	1	-	10/26/2016	Operator error
SS	Sacramento Area Sewer District CS	5SSO10912	830238	Certified	Category 3		171376	Sacramento	No	1	-	10/31/2016	Operator error
SS	City of Stockton MUD CS	5SSO11433	829344	Certified	Category 3	7433 Lighthouse Dr	San Joaquin	No	1	-	10/22/2016	Debris from Lateral	
SS	City of Woodland CS	5SSO10903	829304	Certified	Category 3	209 Frost DR	Yolo	No	1	-	10/19/2016	Debris-General	
SS	City Of Antioch CS	5SSO10890	830126	Certified	Category 3	3406 Dimaggio Way	Contra Costa	No	1	-	11/28/2016	Root Intrusion	
SS	Sacramento Area Sewer District CS	5SSO10912	831293	Certified	Category 3		172273	Sacramento	No	1	-	11/12/2016	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	831317	Certified	Category 3		172796	Sacramento	No	1	-	11/19/2016	Debris-General
SS	Sacramento Area Sewer District CS	5SSO10912	831345	Certified	Category 3		173139	Sacramento	No	1	-	11/27/2016	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	831348	Certified	Category 3		173188	Sacramento	No	1	-	11/28/2016	Vandalism