

**California Regional Water Quality Control Board
 Central Valley Region
 Pamela C. Creedon, Executive Officer
 Patrick Pulupa, *Special Consultant (Incoming Executive Officer)***



**EXECUTIVE OFFICER’S REPORT
 APRIL 5/6, 2018**

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SUCCESS STORIES

IRRIGATED AGRICULTURE – SUCCESSFUL COMPLETION OF IMPLEMENTED MANAGEMENT PLANS

Under the Irrigated Lands Regulatory Program, a management plan is triggered when water samples from a monitoring site are tested and a constituent has two or more exceedances of the appropriate water quality limit within a 3-year period. This requires development of a management plan by the Coalition and 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 5 January 2018, the Executive Officer approved the **completion of the legacy pesticide (DDE)** management plan in North Canyon Creek for the Sacramento Valley Water Quality Coalition (Coalition). The management plan was implemented to address DDE exceedances observed at the subwatershed monitoring site. The Coalition held member meetings and conducted targeted outreach to growers to provide guidance regarding management practices to control erosion and sediment discharges. Annual Reports provided by the El Dorado Subwatershed document that more than 99% of the irrigated acres implemented appropriate management practices for the control of erosion and sediment discharge. Water quality analyses showed that receiving water limits were met.

- **San Joaquin County and Delta Water Quality Coalition**

On 9 February 2018, the Executive Officer approved the completion of **4** management plans for the San Joaquin County and Delta Water Quality Coalition (Coalition). The management plans were implemented to **eliminate toxicity** (*Ceriodaphnia dubia*, *Pimephales promelas*) pH water quality problems caused by the discharge of agricultural pollutants into surface receiving waters. The Coalition held multiple member meetings and conducted targeted outreach to individual growers to provide general and site-specific guidance regarding practices to protect water quality. Examples of new practices implemented by growers include grassed rows and waterways, reduced pesticide use, and efficient irrigation methods. Water quality analyses showed that receiving water limits were met, demonstrating the effectiveness of implemented practices.

- **East San Joaquin Water Quality Coalition**

On 31 January 2018, the Executive Officer approved the completion of **10** management plans for the East San Joaquin Water Quality Coalition (Coalition), **including six for toxicity, three for pesticides, and one for pH**. The implemented management plans successfully eliminated water quality problems caused by discharge of agricultural pollutants into surface receiving waters. The Coalition held multiple member meetings and conducted targeted outreach to individual growers to provide general and site-specific guidance regarding practices to protect water quality. Examples of practices implemented by growers include shutting off outside nozzles when spraying next to surface water; managing spray drift; reducing water use during irrigation; reducing use of pesticides; using efficient irrigation methods; and constructing tailwater retention/return systems. Water quality analyses showed that receiving water limits were met, demonstrating the effectiveness of implemented practices.

SITE CLEANUP- SUCCESSFULLY CLOSED – NO FURTHER ACTION REQUIRED

Red Bluff Air Force Station, Red Bluff, Tehama County

A No Further Action (NFA) status was determined for the Red Bluff Air Force Station case, which is a Formerly Used Defense Department Site (FUDS) site. The underground storage tanks were previously closed in December 2015. The remaining areas of interest at the site were investigated. All analytical results were at concentrations that were below screening levels or within the range of metals concentrations that are likely to be background.

Final Record of Decision for Site SD032, Beale AFB, Yuba County

In January 2018, the Record of Decision (ROD) for Site SD032 at Beale Air Force Base (AFB) was finalized by the Air Force and State of California represented by the Central Valley Water Board and Department of Toxic

Substances Control. The ROD identifies the final remedy as land use controls (LUCs) prohibiting residential land use in a localized area near two former oil-water separators where residual soil vapor trichloroethene (TCE) concentrations may result in future vapor intrusion risks. No action is necessary for sediment and surface water. Site SD032 is located in the eastern flightline area along Arnold Avenue and includes facilities used for aircraft maintenance and repair, and Building 1086, which housed the Titan Missile Project. Fuel-related compounds and solvents were released to soil as a result of surface spills, and leaks from oil-water separators and former underground storage tanks (USTs). Soil vapor extraction and bioventing were performed as interim response actions to remediate volatile organic compounds (VOCs) and petroleum hydrocarbons in soil. Site SD032 also includes Area of Concern (AOC) 39, a former jet fuel UST and pipeline area that was remediated through bioventing. Groundwater beneath Site SD032 is being addressed separately as part of groundwater Site CG044.

Two Former Underground Storage Tank Sites at the Former McClellan Air Force Base, Sacramento County. On 12 February, No Further Action Required letters were issued for two former underground storage tanks (USTs) sites at the former McClellan Air Force Base. The Air Force Installation Restoration Program sites are identified as Confirmed Site (CS) T-020 and CS 038. Site CS T-020 was also known as Tank Farm #6, which included seven USTs containing petroleum products. The USTs were removed in 1990. Site CS 038 is Building 475 where an approximately 2,250-gallon Stoddard solvent UST was located. The UST was removed in 2009. The remedial action at CS T-020 involved the excavation, removal, and disposal of approximately 2,940 cubic yards of soil. Borings drilled at CS 038 confirmed that residual concentrations of total petroleum hydrocarbons are not a source of groundwater pollution. Both sites were determined to meet the criteria for no further action specified in State Water Resources Control Board Low Threat UST Closure Policy. A Record of Decision (ROD) that includes the two sites was issued by the U.S. Environmental Protection Agency in March 2015, and the sites satisfy the closure requirements of the ROD. Site closure under the ROD will be complete with the issuance of Site Remediation and Remedial Action Conclusion Reports.

Lamoure's Dry Cleaners, 3140 W. Shaw Avenue, Fresno, Fresno County. A no further action required letter was issued on 7 March 2018. The project site was a former Lamoure's Dry Cleaners that operated from April 1988 to March 2009. Soil and groundwater investigations along with risk assessment modeling concluded that the concentrations of tetrachloroethylene (PCE) that were detected in the soils beneath the site did not represent a significant threat to human health or the environment. PCE was not detected in groundwater beneath the site. A Fact Sheet for public participation regarding the intent to close the site was prepared and distributed to nearby properties. The City of Fresno provided comments regarding the proposed closure, but after discussions were conducted, the City concurred with the proposed closure. No other public comments were received.

Artesia Dairy, 13406 Road 24, Corcoran, Tulare County. A no further action determination was issued on 30 January 2018. Releases from aboveground storage tanks degraded soil and groundwater with petroleum hydrocarbons. Degraded soils were excavated to the extent practicable and remediated and disposed of at an off-site treatment area. A groundwater assessment was conducted and concentrations of diesel-range petroleum were relatively low. Diesel-range petroleum hydrocarbons were not detected in a groundwater sample collected from the nearby agricultural well in early 2016. No other supply wells are located within one mile. A Fact Sheet was distributed to nearby property owners and posted on the Central Valley Water Board website and no comments were received. Remaining petroleum hydrocarbons are expected to continue to degrade naturally.

Former Modine Manufacturing Facility, 2777 North Highway 59, Merced, Merced County. A no further action determination was issued on 1 February 2018. Soils and groundwater were impacted by chlorinated volatile organic compounds (CVOCs) including PCE, TCE, and 1,1-DCE by the radiator core manufacturing processes conducted between the 1970s and 2000 at this approximately 19-acre property. A soil vapor extraction (SVE) system with 13 vapor extraction wells was installed and operated from January 2014 to December 2015. The CVOc concentrations in groundwater monitoring wells and soil vapor probes decreased as SVE system operation proceeded. More than 70 pounds of CVOcs were removed by the SVE system. CVOc concentrations in groundwater monitoring wells decreased from 100 µg/L in March 2014 to under the California maximum contaminant levels for drinking water by November 2016. The registered environmental consultant for the site concluded that site conditions do not present a risk to human health or to the surrounding environment including soil and groundwater. Staff concurred. A Fact Sheet was distributed to nearby property owners and interested

parties, and posted on the Central Valley Water Board webpage, and no comments were received regarding the proposed case closure.

Former Uhler Fire Training Facility, Southeast of Enos Lane and Munzer Road, West of Bakersfield, Kern County. A no further action determination was issued on 9 January 2018. The Frank Uhler Fire Training School, operated by the Kern County Fire Department between 1979 and 1990, instructed fire fighters on how to suppress petroleum fires using fuel oil stored in two 10,000-gallon aboveground storage tanks (ASTs) in the northwestern portion of the site. From 2004 to 2007, Kern County conducted a passive soil gas survey, direct push soil borings (16 to 33 feet deep at 18 locations), and hollow-stem auger soil borings (20 to 130 feet deep at 7 locations). TPH as diesel ranging from 2,900 to 14,000 mg/kg was found near the former ASTs and 160 to 3,300 mg/kg was found in the vicinity of the props and sump area in soil samples collected from between 5 and 31 feet below ground surface (bgs).

Approximately 10,000 tons of petroleum hydrocarbon impacted soil was excavated up to 35 feet bgs from four areas of concern in August 2011. A total of 129 final confirmation soil samples were collected and analyzed for VOCs, SVOCs, and metals. None of the samples had contaminants at levels exceeding environmental screening levels. Groundwater monitoring conducted after the excavation demonstrated that petroleum hydrocarbons and metals were not detected at concentrations that posed a threat to the beneficial uses of groundwater. The registered environmental consultant for the site concluded that the site conditions, after the major soil excavation conducted in 2011, do not present risk to human health or to the surrounding environment including soil and groundwater. Staff concurred. A Fact Sheet was distributed to nearby property owners and posted on the Central Valley Water Board's webpage, and no comments were received regarding the proposed case closure.

445 and 455 J Street, Tulare, Tulare County. A no further action determination was issued on 28 February 2018. Elevated arsenic levels were observed during petroleum remedial excavation activities at the site in June 2010. The source of elevated arsenic concentrations was determined to be associated with the former Atchison Topeka & Santa Fe railroad and Union Pacific Railroad right-of-ways, specifically due to the use of arsenic-comprised railroad tie preservation, and pest control and abatement products. Remedial excavation activities for arsenic delineated the horizontal and vertical extents of elevated arsenic concentrations. Excavated areas were determined to be below cleanup action levels by confirmation sampling analytical results and by a hand held X-ray fluorescence analyzer. Excavated material was determined to be non-hazardous and disposed of to an appropriate facility. A Fact Sheet and Public Notice were distributed to nearby property owners and posted to the Central Valley Water Board's webpage, and no comments were received regarding the proposed case closure. Remaining arsenic concentrations are below cleanup action levels and do not pose a significant threat to human health or the environment.

Petroleum Release Along Southbound Interstate 5 Near LaMoine, Shasta County, Case No. SLT5R1097
On 14 June 2016, a semi-truck and trailer headed along Southbound Interstate 5, overturned 623 feet north of Slate Creek and spilled a reported 50 gallons of diesel into a draw immediately north of Slate Creek in LaMoine. The initial response team removed 90 cubic yards of impacted soil. In December 2016, Shasta County referred the case to the Central Valley Water Board because soil contamination remained after the initial soil removal efforts. In the summer of 2017, confirmation samples were collected around the spill area to determine the extent and location of the remaining contamination. These data indicated remaining diesel concentrations as high as 2,100 milligrams per kilogram (mg/kg) in soil. Further, during a site visit Central Valley Water Board staff noted a culvert at the base of the draw below the spill location that directed drainage under a road and directly to Slate Creek. At the request of Central Valley Water Board staff, the contractor excavated an additional 60 cubic yards to remove the remaining contaminated soil. Central Valley Water Board staff calculated the overall mass of diesel removed was approximately 50 gallons of diesel. Confirmation sampling determined that detectable concentrations of diesel no longer remain at the site, and therefore the release has been abated such that it does not pose a risk to human health and the environment. Central Valley Water Board staff closed the case in January 2018.

Conoco Phillips (Former Tosco #0620), 180 & 197 Plumas Avenue, Quincy, Plumas County, Case No. 2050340. The Conoco Phillips site was formerly a Unocal and Tosco bulk storage plant that was constructed as early as 1949. The case was initiated in October 1997, when Pacific Environmental Group (PEG) discovered a

release of diesel, gasoline, and methyl tert butyl ether (MTBE) associated with two aboveground storage tank complexes at the site. In August 2000, Quincy Community Services District shut off the nearby Norton Well due to taste and odor complaints attributed to MTBE. Central Valley Water Board staff requested investigation activities at the site to identify the source of MTBE in the Norton Well. The site was investigated between 2003 and 2014. In 2015, Stantec Consulting Services, Inc. completed a Tier 1 Human Health Risk Assessment that determined that the remaining soil contamination did not pose a significant human health risk, soil vapor was not a significant risk, and groundwater contamination would not reach nearby surface water bodies or pose a threat to the Norton well. Because residual soil contamination was being left in place, a deed notification was prepared for the site and recorded with Plumas County Recorder's office in November 2017. Central Valley Water Board staff closed the case in February 2018.

UNDERGROUND STORAGE TANKS– 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. 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. Most of these cases have been evaluated in accordance with criteria in the State Water Board's Low-Threat Underground Storage Tank (UST) Case Closure Policy (*Policy*). 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**

7-Eleven Store #24180, 4246 West Ashlan Avenue, Fresno, Fresno County

The site is occupied by a convenience store that formerly included a commercial fueling facility with three 10,000-gallon USTs, associated plumbing, and dispensers. 7-Eleven discovered a release in September 2014 when high concentrations of gasoline constituents were detected in soil during UST-removal activities.

7-Eleven conducted an investigation during February 2015 to evaluate the extent of the release and estimated that approximately 1,500 pounds of gasoline mass extended to 110 feet below ground surface. However, the mass is concentrated in the upper 55 feet and samples from groundwater monitoring wells, installed during April and November 2015, did not contain contaminants during four of five monitoring events from December 2015 to December 2016.

The case qualifies for closure in accordance with criteria contained in the Low Threat Closure Policy. The case closure letter was posted on 3 January 2018.

Dan's Service Center, 1120 Whitley Avenue, Corcoran, Kings County

In June 1990, Dan's Service Center removed the UST systems used to store and dispense gasoline and store waste oil under the oversight of Kings County Department of Public Health. Site investigation and groundwater monitoring conducted through 1998 indicated gasoline range hydrocarbons had migrated to groundwater, but the full extent of the release was not delineated, and the case was referred to the Central Valley Water Board.

The new site owner conducted site assessment and groundwater monitoring during 2014 to confirm the extent of gasoline constituents in soil and groundwater and evaluate health risk from the remaining constituents. The contaminant mass was estimated to be approximately 55,000 pounds.

The case qualifies for closure in accordance with criteria contained in the Low Threat Closure Policy. The remaining gasoline constituents are expected to degrade naturally, and should not pose a threat to public health or the beneficial uses of groundwater. The monitoring wells have been properly destroyed. The State Board UST Cleanup Fund issued a Remedial Action Completion Certification on 17 January 2018.

Cushing & Son, 517 South Main Street, Pixley, Tulare County

In May 2000, Cushing & Son removed three 10,000-gallon gasoline USTs; one 10,000-gallon diesel UST; and one 4,000-gallon diesel UST from the Site. Soil samples collected from beneath the UST's contained petroleum hydrocarbons. An unknown volume of impacted soil was excavated to 19 feet below ground surface (bgs) during the UST removal.

Site investigation conducted from 2002 through 2016, with oversight by the Tulare County Health and Human Services Agency, delineated the extent and concentration of gasoline constituents in soil and soil vapor. The majority of impacted soil is located between 25 and 65 feet bgs. Remediation by soil vapor extraction, was conducted from February 2008 through March 2013 and removed approximately 48,374 pounds of gasoline constituents.

The absence of detectable concentrations of petroleum product constituents at greater than 95 feet bgs, and the groundwater table at least 185 feet bgs, indicates a buffer zone between the contamination and groundwater of at least 90 feet. The remaining gasoline constituents should degrade naturally, and should not pose a threat to public health or the beneficial uses of groundwater and the case meets the criteria of the **Low Threat Policy**. The case closure letter was posted on 12 January 2018.

b) **REDDING OFFICE**

Leonel Naake Property, 41901 McArthur Road, Glenburn, Shasta County, Case No. 450310

In March 2000, soil and groundwater pollution was discovered during the removal of two gasoline underground storage tanks (USTs) at the site. The USTs were last used prior to 1970. Activities at the site languished for many years because of unsuccessful attempts to obtain coverage under the UST Cleanup Fund and the Discharger's lack of other financial means. The site was placed in the Emergency, Abandoned and Recalcitrant (EAR) Account in 2012, which enabled site investigations that identified petroleum hydrocarbon contamination in soil, soil gas, and shallow groundwater in the vicinity of the former tank pit. The extent of petroleum pollution in groundwater was limited to the upper 10 feet below ground surface (bgs) and less than 60 feet laterally. The soil gas survey identified a potential health risk from benzene via the vapor intrusion pathway in the vicinity of the former tank pit. Between 2016 and 2017, staff worked with the Office of Chief Counsel and the State Board to transition the case from the EAR Account to the UST Cleanup Fund. The transition was completed in 2017. Staff reviewed information in our files and found that the case was eligible for closure under the Low-Threat Closure Policy, provided that a deed restriction was recorded for the area of the former tank pit. On 20 October 2017, a deed restriction was recorded by the Shasta County Recorder to prohibit placement of structures over the former tank pit area. Site monitoring wells were subsequently decommissioned. Staff closed the case under the Low-Threat Closure Policy in January 2018.

Former Gil's Shell Service Station, 123 12th Street W, Alturas, Modoc County, Case No. 250006

The former Gil's Shell site is a gasoline service station that has been in operation since the 1940s. The initial release of petroleum was discovered in 1990 during a routine underground storage tank (UST) inspection conducted by Central Valley Water Board staff. Several investigations conducted at the site have documented onsite methyl tert butyl ether (MTBE) concentrations as high as 66,000 micrograms per liter (ug/l). The City of Alturas Community Service Well #5 is located downgradient and approximately 500 feet to the south of the site. Offsite monitoring well clusters indicate migration of MTBE in the direction of the supply well. The site has had a series of owners and has a history of non-compliance and violations. On 9 February 2018, the Central Valley Water Board issued Cleanup and Abatement Order No. R5-2018-0709 to five parties who have owned and operated the site since the release discovery in 1990.

c) **SACRAMENTO OFFICE**

E-Z Serve #100820, 18725 Highway 49, Plymouth, Amador County

The Site is currently an active "Plymouth Trading Post" branded fuel service station with a small convenience store. In August 1986, Restructure Petroleum Marketing Services of California (RPMS) removed a 1,000-gallon underground storage tank (UST) and installed two 10,000-gallon USTs and one 6,000-gallon UST for storing gasoline and diesel fuels. In March 2001, RPMS advanced four soil borings at the Site and detected petroleum hydrocarbon constituents in soil samples. From December 2002 through 2014 RPMS installed twenty-four

groundwater monitoring wells and two remedial wells at the Site. From 2005 to 2009, RPMS conducted a soil vapor extraction (SVE) test and three dual phase extraction (DPE) events at the Site which removed approximately 16,600 pounds of petroleum hydrocarbons from the subsurface. RPMS continued groundwater monitoring through March 2015, and observed decreasing petroleum hydrocarbon concentration trends over time. Site conditions met the general and site-specific criteria for case closure under the **Low Threat Policy** and the case was closed on 9 February 2018.

Beacon Hillcrest, 1801 Hillcrest Avenue, Antioch, Contra Costa County

In January 2003, the UST system was replaced during system renovations. The former UST system consisted of four USTs (one 8,000-gallon diesel UST, and three gasoline USTs with capacities of 7,500 gallons, 6,000 gallons, and 5,000 gallons). During UST system removal, petroleum hydrocarbons were detected in soil samples collected beneath the former USTs. Subsequent investigation confirmed petroleum hydrocarbon impacts to soil and groundwater underlying the Site. Soil excavation removed approximately 2,664 pounds of petroleum hydrocarbons from the subsurface. A multi-phase extraction (MPE) system extracted and treated 4,387,462 gallons of groundwater, which removed an estimated 10.84 pounds of dissolved petroleum hydrocarbons and an estimated 5,706 pounds of vapor phase petroleum hydrocarbons. The Site meets the general and site-specific criteria for case closure under the **Low Threat Policy**. The Site was closed on 13 February 2018.

RK Service Station, 12405 Yosemite Boulevard, Waterford, Stanislaus County

During a June 2017 voluntary pre-sale investigation, a product line was breached by a direct-push drill rig, releasing a small volume of gasoline prior to the fuel system automatic shut-off engaging. On 13 July 2017, RK excavated and disposed of approximately 0.4 cubic yard of impacted soil. A confirmation soil sample collected at the base of the excavation contained 7,100 milligrams per kilogram (mg/kg) gasoline-range petroleum hydrocarbons, 26 mg/kg benzene, and other petroleum hydrocarbon constituents. On 23 October 2017, RK advanced one boring to a depth of 50 feet below ground surface (bgs) in the vicinity of the product line breach, and collected soil samples at 5-foot intervals. Analytical data indicated that subsurface petroleum hydrocarbons were limited to the top 5 feet of soil, and groundwater was not threatened. Central Valley Water Board staff agreed with RK's conclusion that an extensive release likely did not occur, and concurred with their recommendation of regulatory closure as a low threat site. The case was closed on 23 January 2018.

Jimtown Whistle Stop, 18372 Highway 108, Jamestown, Tuolumne County

The Site currently operates as a retail fueling station and convenience store on Highway 108 in Jamestown. In February 1991, an unauthorized release of petroleum hydrocarbons from a 4,000-gallon UST was discovered. The 4,000-gallon gasoline UST was subsequently removed and replaced. Approximately 25,000 pounds (3,500 gallons) of petroleum fuel have been removed from the Site through active remediation and natural attenuation. While data indicate that petroleum hydrocarbons had impacted soil and groundwater beneath the tanks, groundwater sampling data show that the impact to groundwater is defined, stable and is expected to attenuate below established water quality objectives within a reasonable timeframe. The remaining petroleum constituents are unlikely to pose a threat to human health or impact waters of the State as they attenuate and Central Valley Water Board staff concurs with the responsible party's recommendation for regulatory closure in accordance with the **Low Threat Policy**. This site was closed on 18 January 2018.

Darrels Payless, 5769 Feather River Boulevard, Marysville, Yuba County

In 1992, the responsible party removed one waste oil and three gasoline underground storage tanks (USTs). In 2016, GEOCON Consultants Inc. (GEOCON) conducted soil and groundwater investigations that indicated gasoline hydrocarbons impacted-soil was limited to a depth of 21 feet below ground surface (bgs) and groundwater was at 30 feet bgs. GEOCON concluded that impacts were limited to shallow soil beneath the UST pit and dispensers and a limited hydrocarbon plume was located beneath the Site. No monitoring wells were installed onsite, thus, GEOCON evaluated groundwater data from nearby monitoring wells installed for the Quick 'N Stop UST site, at 5871 Feather River Boulevard, and concluded that petroleum hydrocarbons beneath the Site were not migrating and not a threat to water supply wells. Based on the soil and groundwater data GEOCON concluded that petroleum hydrocarbons were degrading due to natural attenuation processes. Staff issued a closure letter on 3 November 2017 for closure of this case.

Penske Truck Leasing Facility, 3009 Evergreen Avenue, West Sacramento, Yolo County

In 1994, Penske removed the old diesel and gasoline UST system and installed a new UST system. Penske also removed the motor oil and waste oil UST systems. Penske's consultants conducted soil and groundwater investigations from 1995 through 2016. The soil and groundwater investigations defined the extent of contaminants beneath the Site, and indicated that MtBE was the primary constituent of concern in groundwater. In 2008, Penske removed the fuel dispensers and soil impacted with petroleum hydrocarbons, removing 220 pounds of total petroleum hydrocarbons (gasoline and diesel) and 0.10 pound of MtBE. Site conditions currently meet the general and media specific criteria of the **Low Threat Policy** for case closure and residual petroleum hydrocarbons are attenuating under natural conditions. Staff issued a closure letter on 5 January 2018 for closure of this case.

STAFF RECOGNITION

SUPERIOR ACCOMPLISHMENT AWARD

At the February 1-2 Board Meeting, Executive Officer Creedon, presented the Superior Accomplishment awards to the following staff:

TEAM AWARD

PATRICK MORRIS AND SELINA COLE

Patrick Morris (Senior Water Resources Control Engineer, and Selina Cole (Environmental Scientist) are the Regional Board's project team for the Delta Regional Monitoring Program, in the Sacramento office. They have consistently provided exemplary leadership and technical expertise in guiding the Delta Regional Monitoring Program's monitoring design, sampling plans, and quality assurance plans. In addition to the highly technical nature of monitoring in the Delta, Patrick and Selina have led stakeholder discussions and provided guidance to the program's lead entity, the Aquatic Science Center, throughout the development and implementation of the program.

Since Patrick and Selina began working on the Delta Regional Monitoring Program, there have been major strides forward. These include moving from an unfunded program to a 1 million dollar per year sustainably funded monitoring program with four constituent focus areas, and a stakeholder led steering committee. Patrick and Selina's tireless work has ensured the future of the Delta Regional Monitoring Program, which will provide scientific studies and information to guide Regional Water Board management of water quality. Patrick and Selina are fun to work with, highly motivated, and skilled staff members and are highly deserving of this award.

Employee: Alex Mushegan
Unit: Waste Discharge to Land Unit
Title: Water Resources Control Engineer
Supervisor: Matt Scroggins

Alex Mushegan is receiving this award for his outstanding initiative and contributions to the Waste Discharge to Land unit (Non-15 Unit).

Alex has been a permit writer in the NPDES program since 2012 and has been recognized previously for his contributions to that program. However, over a year ago, Alex took the initiative to request opportunities to do work in the Non-15 Unit in addition to his NPDES responsibilities. An opportunity became available, and he was assigned a permit in the Non-15 permitting program, which has been resource-constrained for many years. Alex had an immediate impact on the program and produced quality project deliverables much quicker than expected. Alex's willingness to take on work in the Non-15 program not only significantly contributed to the Water Board's efficiency, but it is clearly and unquestionably above the normal requirements of his position.

Subsequent to Alex's foray into the Non-15 program, a retirement in the program resulted in a staff shift. This shift temporarily threatened the work flow within the unit. Alex was asked to assume a larger role in the Non-15 program to help ensure the work flow continues as smoothly as possible during this time. He gladly accepted this challenge and quickly came up to speed on the program issues, all the while maintaining his work plan commitments in the NPDES program. Alex's contribution to unit efficiency has been invaluable and undeniably represents going above and beyond expectations.

Alex has established himself as a "go to" person and sets a great example for the office. His professionalism, judgment, work ethic, and attitude are highly valued, and his dedication to the Board's mission is greatly appreciated.

Employee: Cori Hansen
Unit: Forest Activities Program
Title: Environmental Scientist
Supervisor: Ben Letton

Cori Hansen is an Environmental Scientist working in the Forest Activities Program the Redding. Cori brings a diverse background in biological science and range management to her work for the Central Valley Water Board.

In addition to her day-to-day responsibilities reviewing and ensuring permit compliance on Timber Harvest Plans (THP) in Butte County and projects on the Lassen National Forest, she has taken the lead role in the development and coordination of a region-wide Federal NPS permit in coordination with the Lahontan Water Board. Cori has been able to utilize her impressive organizational and communication skills to provide clear direction and focus to a multi-faceted and complex project between two Regional Boards. To that end, she took the lead role in organizing six stakeholder outreach meetings at various locations in the Central Valley Region and the Lahontan Region between October and December 2017 as part of the initial outreach effort for the Federal NPS permit.

Cori has also taken the lead role as Region 5 coordinator for the Timber Regulation and Forest Restoration Fund grants; a grant program established through recent passage of AB 1492. She has been instrumental in coordinating efforts between our regional staff, and Division of Water Quality and Department of Financial Assistant at State Board, in all aspects of the this new grant program: reviewing grant guidelines, developing project ideas during scoping, reviewing project applications, developing Scope of Work documents with applicants for contract, executing contracts, and reviewing invoices. Cori has become the "go to" staff person in the Region for questions about this grant program.

EMPLOYEE OF THE MONTH

SACRAMENTO OFFICE JANUARY 2018

Employee: Alisha Wenzel
Unit: Surface Water Ambient Monitoring Program
Title: Engineering Geologist
Supervisor: Anne Littlejohn

Alisha is an Engineering Geologist in the Surface Water Ambient Monitoring Program. Alisha's technical expertise has been key in developing and implementing SWAMP monitoring throughout the Central Valley Region. This includes working with staff across the region to develop monitoring projects and contracting work with labs.

Most recently, Alisha has worked with County Environmental Health Directors, State Parks, and other entities to develop a draft protocol for ensuring data are shared between agencies, and that there is adequate public notification. During this time, she also worked with multiple local agencies to develop a monitoring plan to further our understanding of E.coli sources in the American River and potential health risk to people accessing the waterbody.

Alisha is fun to work with, highly capable, and well respected among staff and external stakeholders. She is well deserving of this award.

Employee: Vera Fischer
Unit: UST Enforcement
Title: Engineering Geologist
Supervisor: Christopher Flower

Vera is the lead case officer for approximately 60 underground storage tank Sites across San Joaquin, Napa, and Contra Costa Counties. Vera also acts as the Central Valley Water Board underground storage tank liaison for

Sacramento County's Local Oversight Program and their approximately 100 open Sites. In this role, Vera provides supplemental review of Sacramento County's case closure process and provides guidance on technical decisions for Site assessment. This role also requires frequent interaction with representatives from the State Water Board, dischargers, and the public for contentious Sites and competing interests.

Vera consistently provides technical reviews of Site data and discharger submittals to identify the most appropriate corrective actions to work toward Site closure. Vera's work is of high quality and she maintains both a great work ethic and attitude while balancing both her caseload and the oversight of Sacramento County's caseload. Vera is reliable and a great source of knowledge for the Unit and is deserving of this recognition.

**REDDING OFFICE
JANUARY 2018**

Employee: Monique E. Gaido
Unit: Waste Discharge Requirements/Non-15
Title: Engineering Geologist
Supervisor: George R. Low

Monique is receiving this award for her work in the WDR Unit. Monique was hired by the Central Valley Water Board in July 2015 and has since proven to be a valuable employee and coworker in the past two and a half years.

Currently Monique manages approximately 66 facilities under both individual and general order WDRs. Her duties within the WDR unit cover both permitting and compliance/enforcement activities. Additionally, Monique is also the county representative for Shasta and Modoc counties. As such, she is responsible for reviewing and responding to CEQA documents and complaints associated with activities within those counties.

In the past year Monique has exceeded work load expectations by completing one WDR permit renewal, five individual WDR rescissions, five Small Domestic Wastewater General Order enrollments, four 13267 Orders, four Notices of Violation, four Report of Waste Discharge reviews, 45 CEQA document reviews, 13 complaint responses, and 35 inspections.

In addition to this work over the past calendar year, Monique has made significant progress on converting two NPDES discharge facilities to WDR land discharges. It is anticipated that new WDRs will be issued to these two facilities in 2018.

Monique continues to be motivated, positive, punctual, consistent, well organized, and thorough in her work. Her work ethic, attitude, dedication, and hard work are appreciated by all within the WDR unit and the Redding office.

**FRESNO OFFICE
JANUARY 2018**

Employee: Jeff Pyle
Unit: Non-15 Waste Discharge Requirement
Title: Engineering Geologist
Supervisor: Scott Hatton

Jeff has been an Engineering Geologist in the Fresno office for 12 years and has been a valuable asset to the Non-15 Waste Discharge Requirements (WDRs) Unit in the Fresno office. Jeff's recent work consisted of drafting two sets of WDRs for an upcoming Board meeting. His work included pre-permit inspections, reviewing the Report of Waste Discharges submitted by the Discharger, identified and resolved issues associated with each discharge, and drafted WDRs for management and public review. Jeff's hard work and commitment were valuable at completing the WDRs on schedule.

Jeff also spent time reviewing a work plan submitted by a Discharger for the construction of a new evaporation pond. Jeff also assisted the National Pollutant Discharge Elimination System (NPDES) Unit with reviewing and providing comment on technical reports for the closure of a wastewater treatment facility's former site, specifically the drying bed location. Jeff was able to use his knowledge and experience from other similar projects to complete this task.

Jeff continually finds time to respond to the public's questions, review files, and have meetings with Dischargers. Jeff is a reliable and professional staff member of our Fresno office and is very deserving of this award.

SACRAMENTO OFFICE FEBRUARY 2018

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

Robin Merod is a Water Resources Control Engineer in the Rancho Cordova office and writes Waste Discharge Requirements for discharges to land. He has developed a reputation for performing exceptional work on some of our most complex permits.

Recently, Robin did an outstanding job preparing WDRs for the City of Newman, which is a small community area with high background salinity in groundwater. Robin worked closely with the City and their consultants in developing the WDRs at a time when key elements of the CV-SALTS program were being introduced into permitting. Robin navigated through the numerous technical challenges and developed workable solutions that were agreeable to all parties involved. Along the way, Robin was also able to apply his strengths in statistical analysis to evaluate effluent and groundwater data and develop discharge limits.

In short, Robin is a reliable and supportive team player who maintains a positive "can do" attitude. He is always fair and professional in working with his peers and stakeholders while ensuring the protection of water quality. For these reasons and many others, Robin deserves this recognition.

Employee: Dennis Costache
Unit: Irrigated Lands Regulatory Program
Title: Scientific Aid
Supervisor: Susan Fregien

We recognize Dennis for his outstanding contributions to the Irrigated Lands Program Data Management Team. Dennis is responsible for reviewing water quality monitoring electronic data deliverables submitted by the Coalition groups, making corrections, and reformatting them to meet standards. Over the past 2 years, he has consistently delivered excellent work products in a timely and efficient manner. These extensive data deliverables are complex with over a 200-itemized checklist, and require that careful attention is given to the reviews to ensure that accurate data are uploaded to CEDEN, which is the public database.

Recently, Dennis has been devoted to locating and formatting the Westlands Stormwater Coalition's electronic data deliverables for 2013 to 2016. He approached his work in a well-organized and positive manner. The task was completed in half the time allotted, and more than a thousand records are now ready for final checks by the State Board's SWAMP team and subsequent upload to CEDEN.

For this, and many more data review projects Dennis has accomplished for the Irrigated Lands Program, we appreciate his hard work and commitment.

**REDDING OFFICE
FEBRUARY 2018**

Employee: Patrick M. DeCarvalho
Unit: Groundwater Unit
Title: Water Resources Control Engineer
Supervisor: Kate Burger

Patrick is being nominated for his contributions to the Redding office's Groundwater Unit. Since joining the Central Valley Water Board in late March 2017, Patrick has made significant headway in organizing and managing his caseload of 30 Land Disposal Program sites. Many of these cases needed attention because of a ten-month gap between caseworkers. He has been persistent in identifying and taking steps to resolve outstanding issues associated with the facilities.

Patrick prepared his first set of waste discharge requirements (WDRs) for Intermountain Landfill, a facility that closed in 1996 and has limited financial resources for post-closure care. The permit revision was based on the Report of Waste Discharge used for the 1996 WDRs because the status of the site had not changed. However, this made compiling the WDRs challenging because the information needed for the permit was scattered throughout the file. The revised WDRs for Intermountain Landfill were adopted at the December Board meeting. Patrick then began working on revising the WDRs for the Alturas Landfill which largely operates as a transfer station but still accepts some wastes that pose a low threat to water quality. This WDR revision is expected to be adopted at the April Board meeting. In addition, Patrick is preparing amended WDRs for another active landfill.

In his first 11 months with the Central Valley Water Board, Patrick has conducted 26 inspections to assess facility compliance with their WDRs. His inspection reports are timely, detailed, and thoroughly document his observations. During the 2017 construction season, Patrick also inspected on-going construction activities at three active landfills regulated by the Redding office.

Patrick's management team appreciates his dedication and his great attitude. His colleagues enjoy his sense of humor and appreciate his willingness to provide assistance. Patrick has received multiple thank you notes from Dischargers because of his responsiveness to their inquiries and project timelines.

**FRESNO OFFICE
FEBRUARY 2018**

Employee: Alejandra Lopez
Unit: Oil Fields #1
Title: Engineering Geologist
Supervisor: Ron Holcomb

Alejandra works on oilfield wastewater discharge issues in Oil Field Unit One. Her recent assigned duties have mainly involved drafting monitoring and reporting programs for oilfield produced wastewater dischargers that have outdated waste discharge requirements. One of those dischargers is contesting their monitoring and reporting program (MRP), so we will present the MRP to our Board for consideration at the April meeting.

During January 2018, Alejandra prepared the tentative monitoring and reporting program, a tentative resolution, the notice of public hearing, and the staff report. Preparation of the staff report included analysis of the available hydrogeologic and laboratory analytical data. Alejandra's conclusions from her data analysis contributed to a comprehensive report and will form key points during the hearing. Alejandra also started preparing the Power Point presentation by creating about 30 slides.

Alejandra consistently maintains a positive attitude and a professional demeanor. She performs her work skillfully and in a timely manner. Alejandra's efforts make her a valuable member of our organization.

ENFORCEMENT

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.

Orders Issued or Adopted – Enforcement Table 1 provides a summary of all 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 (4 January 2018 through 6 March 2018)

Date	Agency	County	Notes
1/8/2018	Quincy Community Services District	Plumas	ACL Complaint R5-2017-0556 in the amount of \$18,000 for MMP violations that occurred between 15 April 2013 and 31 March 2016.
1/8/2018	Paradise Irrigation District	Butte	ACL Complaint R5-2017-0560 in the amount of \$18,000 for MMP violations that occurred between 7 January 2016 and 31 October 2016.
1/8/2018	Pactiv, LLC.	Tehama	ACL Complaint R5-2017-0559 in the amount of \$3,000 for an MMP violation that occurred on 8 August 2016.
1/8/2018	City of Mt. Shasta	Siskiyou	ACL Complaint R5-2017-0558 in the amount of \$6,000 for MMP violations that occurred between 9 March 2016 and 31 March 2016.
1/18/2018	City of Redding	Shasta	Administrative Civil Liability (ACL) Complaint R5-2017-0557 issued in the amount of \$18,000 to address Mandatory Minimum Penalty (MMP) violations that occurred between 2 June 2015 and 10 November 2015.
2/1/2018	Larranaga, Rene	Modoc	ACL Order R5-2018-0001 adopted in the amount of \$19,773, replaces ACL Complaint R5-2017-0533, to address failure to submit a Report of Waste Discharge (RoWD).
2/1/2018	Weststeyn, Jake	Glenn	CAO R5-2018-0700 issued to address violations associated with discharges of wastewater via subsurface pipes into Baker Slough.
2/1/2018	Mountain House Community Services District	San Joaquin	Time Schedule Order (TSO) R5-2017-0120 issued to provide a time schedule for completing actions necessary to ensure compliance with final effluent limitations for temperature that are outlined in Waste Discharge Requirements (WDR) Order R5-2017-0119.
2/9/2018	Former Gil's Shell SS Alturas	Modoc	Cleanup and Abatement Order (CAO) issued to direct the Discharger to delineate the extent of and mitigate contamination associated with the former Underground Storage Tanks (USTs) at the subject site.
3/5/2018	City of Williams	Colusa	ACL Complaint R5-2018-0512 issued in the amount of \$42,000 for MMP violations that occurred between 1 May 2013 and 31 December 2017.
3/5/2018	City of Roseville	Placer	ACL Complaint R5-2018-0513 in the amount of \$39,000 for MMP violations that occurred between 1 August 2016 and 31 December 2017.

Enforcement Table 1 (cont.)

Date	Agency	County	Notes
3/5/2018	Donner Summit Public Utilities District	Nevada	ACL Complaint R5-2018-0509 in the amount of \$9,000 for MMP violations that occurred between 1 January 2017 and 31 December 2017.
3/5/2018	Town of Discovery Bay Community Services District	Contra Costa	ACL Complaint R5-2018-0514 in the amount of \$15,000 for MMP violations that occurred between 1 May 2013 and 30 December 2017.
3/5/2018	California Department of Corrections and Rehabilitation	San Joaquin	ACL Complaint R5-2018-0503 in the amount of \$27,000 for MMP violations that occurred between 1 July 2017 and 31 December 2017.
3/5/2018	City of Rio Vista	Solano	ACL Complaint R5-2018-0511 in the amount of \$3,000 for MMP violations that occurred between 1 May 2016 and 30 November 2017.
3/5/2018	Aerojet General Corporation	Sacramento	ACL Complaint R5-2018-0508 in the amount of \$27,000 for MMP violations that occurred between 1 December 2015 and 30 November 2017.

1) **Enforcement Update** – Enforcement Table 2 summarizes the enforcement actions issued in all the Regions since the last EO Report. From a statewide perspective, Region 5 was responsible for 29% of all the enforcement actions tracked in CIWQS during this period including 58% of all NOV's and 32% of all ACL's.

Enforcement Table 2 – Statewide Enforcement Actions (4 January 2018 through 6 March 2018)

Region	VER	SEL	NOV	13267	NNC	TSO	CAO	CDO	ACL	Total
1	0	0	3	0	0	0	0	0	3	6
2	0	2	2	0	0	0	0	0	0	4
3	0	106	2	0	1	0	0	0	2	111
4	1	0	85	0	22	0	0	1	10	119
5F	1	1	15	1	0	0	0	0	0	18
5R	0	0	2	0	1	0	1	0	5	9
5S	6	1	115	10	0	1	1	0	8	142
RB5 Total	7	2	132	11	1	1	2	0	13	169
6	2	1	1	0	38	0	0	0	0	42
7	0	6	0	0	0	0	0	0	0	6
8	9	52	0	0	26	0	0	0	12	99
9	0	16	4	1	0	0	0	0	1	22
Total	19	185	229	12	88	1	2	1	41	578
Enforcement Actions:										
VER = Verbal Communication					TSO = Time Schedule Order					
SEL = Staff Enforcement Letter					CAO = Cleanup and Abatement Order					
NOV = Notice of Violation					CDO = Cease and Desist Order					
13267 = Water Code Section 13267 Investigative Order					ACL = Administrative Civil Liability					
NNC = Notice of Non-Compliance										

SANITARY SEWER OVERFLOWS, COMPLAINTS AND SPILLS

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

There were no SSO events in excess of 50,000-gallons in the period of November 2017 through January 2018.

For this reporting period, there were **429** total SSO spills: **39** Category 1, **4** Category 2, and **386** Category 3 spills. 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/ss0/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

Complaints

Central Valley Regional Board staff are responsible for responding to complaints related to water quality within the Central Valley Region as they are received. Since implementing a new tracking system in December of 2016, Central Valley Water Board staff have logged **416** complaints from phone calls, emails, and from the CalEPA Complaint database (<https://calepacomplaints.secure.force.com/complaints/>). To date, **363 (87%)** complaints have been investigated and closed, or referred to another environmental enforcement agency. Investigations for the remaining **53** complaints remain ongoing.

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 2017-2018 performance targets

http://www.waterboards.ca.gov/about_us/docs/resource_alignment_report.pdf.

Below is the Region 5 Performance Measurement Summary for the 2017-18 fiscal year. This report was produced with data through 68% of the current fiscal year.						
Region 5 Performance Measurement Summary from 1 July 2017 through 6 March 2018						
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	9	5	56%	n/a	n/a	It is anticipated that the target will be met.
Major Individual Facilities Inspected	27	11	41%	n/a	14	It is anticipated that the target will be met.
Minor Individual Permits Issued, Revised, and Renewed	8	8	100%	n/a	n/a	Performance measure shows four adopted permits and four revised permits.
Minor Individual Facilities Inspected	6	6	100%	n/a	6	Minor facility inspections for Redding Office staff have exceeded the target that was developed during a period when there were several vacancies.
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	16	64%	n/a	n/a	
Municipal Waste, Industrial Waste, and All Other Facilities - Number of Inspections	170	139	92%	n/a	157	The inspection target is reflective of the previous fiscal year's number of inspections conducted. RB Staff are exceeding inspection goals so far to date and the target may need to be modified accordingly.
Land Disposal						
Landfills Permits Issued, Revised, and Renewed	11	5	45%	n/a	n/a	Several permits are in the process of being completed.
Landfill Inspections	93	69	82%	n/a	76	The inspection target is reflective of the previous fiscal year's number of inspections conducted. RB Staff are exceeding inspection goals so far to date and the target may need to be modified accordingly.
All Other Permits Issued, Revised, and Renewed	2	0	0%	n/a	n/a	Enrollees in the Composting General Order (WQ-2015-0121) were inadvertently included in the performance report in the draft update. Those entries have been omitted for this revised report. The target facilities are two sites in the Mines program.
All Other Inspections	26	36	169%	n/a	44	The inspection target is reflective of the previous fiscal year's number of inspections conducted. RB Staff are exceeding inspection goals so far to date and the target may need to be modified accordingly.
NPDES Storm Water						
Stormwater Construction Inspections	385	233	69%	n/a	264	
Stormwater Industrial Inspections	195	138	72%	n/a	140	
Stormwater Municipal Inspections	0	1	N/A	n/a	1	
Other Programs						
Forest Activities Inspections	166	97	59%	n/a	98	Staff vacancies and CALFIRE being diverted to ongoing fires resulted in lower than anticipated inspection totals.
Confined Animal Facility Inspections	325	143	49%	n/a	159	Staff are catching-up on inspections that were postponed due to other priorities.
Clean Up						
New DoD Sites Into Active Remediation	9	4	44%	n/a	n/a	
New SCP Sites Into Active Remediation	80	22	28%	n/a	n/a	
Cleanup Program Sites Closed	64	33	52%	n/a	n/a	
New UST Sites Into Active Remediation	29	20	69%	n/a	n/a	
Underground Storage Tank Sites Closed	80	61	76%	n/a	n/a	
* Actuals: Number of facilities inspected or permits issued.						
** Total #: Number of inspections completed including all reinspections.						

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 subject to the Delta Mercury Control Program. The goal of the Delta MERP is to protect public health by reducing exposure to methylmercury in fish caught in the Delta.

The MERP Steering Committee meets bi-monthly 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 ongoing. Over 45 signs are now posted at various locations in the Delta. Interviews to hire a replacement program coordinator for the program will begin in March 2018. The Delta Conservancy and Board staff will direct the new program coordinator to complete the final year of implementation for MERP. The focus of this last year is sustainability of mercury exposure reduction program activities.

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

Several Pesticide Subcommittee meetings took place in January and February 2018 to develop fiscal year 2018-19 monitoring design proposals for the Delta RMP Steering Committee to consider.

The Mercury Subcommittee met on 28 February 2018 to discuss additional monitoring sites and design options for 2018-19 monitoring that will continue monitoring methylmercury in fish tissue and water to inform the upcoming Delta Mercury TMDL re-visit planned for 2020.

Also on 28 February 2018, Board staff held a conference call with State Board staff and the Aquatic Science Center to discuss revisions to the Delta RMP's Quality Assurance Program Plan and also coordinate work on a Communication and Corrective Action Protocol to ensure quality assurance and quality control with monitoring data.

The Steering Committee met on 2 March 2018 to approve the draft Year 1 Pesticides Data Report: *Annual Monitoring Report FY 2015/16 – Pesticides* as well as the two Nutrient Synthesis Reports prepared by the Aquatic Science Center (ASC). In addition, the Steering Committee discussed the Technical Advisory Committee (TAC) request for guidance on the pesticides monitoring questions for fiscal year 2018-19 and heard an info item regarding a pilot study for monitoring Constituents of Emerging Concern (CECs) in the Central Valley.

The Steering Committee also discussed and approved the Nutrients Subcommittee's request for changes to the Delta RMP Assessment Questions for Nutrients so that the assessment questions in the Delta RMP Monitoring Design are better aligned with the Delta Nutrient Research Plan.

3. **Delta Nutrient Research Plan**

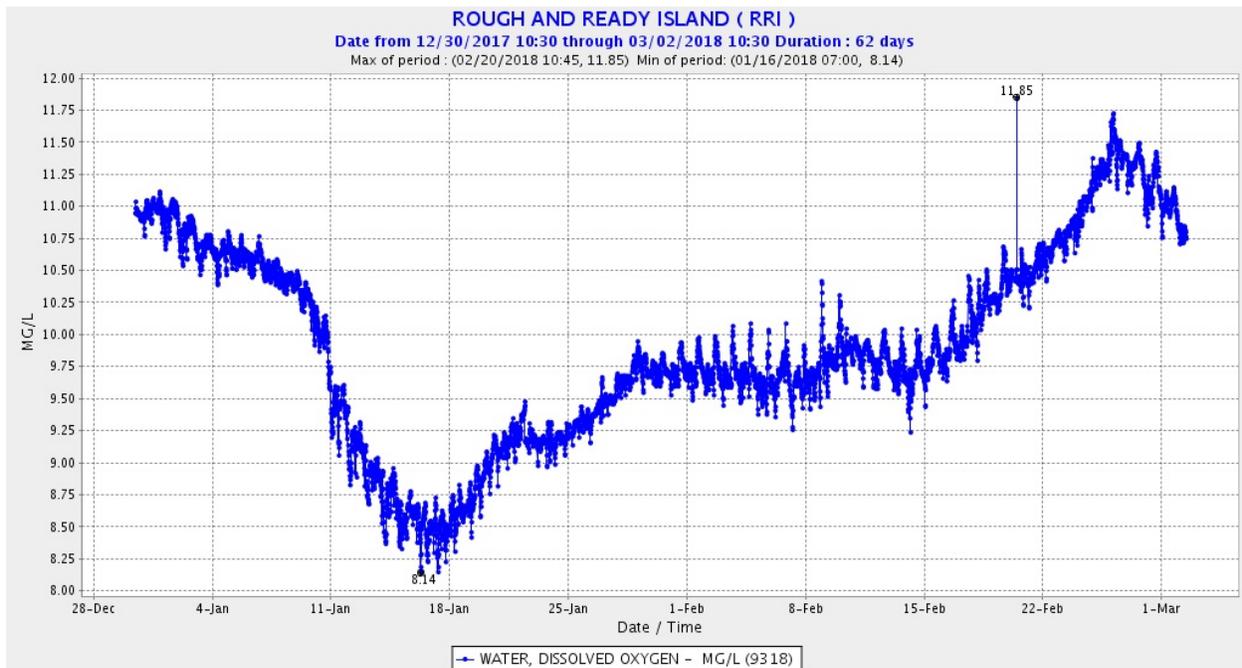
The draft Delta Nutrient Research Plan was released for stakeholder review in mid-January. The draft plan contains brief descriptions of nutrient-related problems in the Delta addressed in the Plan, management questions, and prioritized information needs for ongoing monitoring, special studies, and computer-based modeling. Nutrient-related issues in the Delta include insufficient net primary production, harmful algal blooms, non-native aquatic plant growth, impacts to drinking water systems, and low dissolved oxygen in some areas.

Upcoming meetings of the Stakeholder and Technical and Advisory Group (STAG) are 19 March and 16 May 2018. At its March meeting, the STAG will discuss comments received on the draft Plan and staff's revisions based on the comments. Over the next few months, staff and the STAG will also be discussing steps for coordinating with other programs and seeking additional funding in order to implement the plan. As a component of that coordination, the May STAG meeting will be a joint gathering with the Delta Regional Monitoring Program's Nutrients Subcommittee.

Project information, including the draft Delta Nutrient Research Plan, meeting materials, and supporting white papers and knowledge gap reports, are available on the Delta Nutrient Research Plan website: https://www.waterboards.ca.gov/centralvalley/water_issues/delta_water_quality/delta_nutrient_research_plan/

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

In 2006-2007, an aeration facility was constructed on the Port of Stockton’s West End Complex at Dock 20 as part of the San Joaquin River Dissolved Oxygen TMDL Implementation Program. Since 2011, the Port of Stockton has operated the aeration facility when dissolved oxygen concentrations are expected to fall below the dissolved oxygen water quality objective. From 1 January 2018 to 2 March 2018, there were no excursions below the dissolved oxygen water quality objective of 5 milligrams per liter in the channel and operation of the aeration facility was not necessary. Figure 1 shows the dissolved oxygen concentrations measured during 1 January 2018 through 2 March 2018 at the Rough and Ready Island monitoring station.



For more information on the San Joaquin River/DWSC dissolved oxygen TMDL Control Program: https://www.waterboards.ca.gov/centralvalley/water_issues/tmdl/central_valley_projects/san_joaquin_oxygen/index.shtml

TMDL BASIN PLANNING

1. Pesticide Basin Planning/TMDLs

Central Valley Pyrethroids Basin Plan Amendment and TMDL

On 3 October, the State Water Board released a notice of opportunity to comment for the proposed State Water Board approval of the Central Valley Pyrethroids TMDL and Basin Plan Amendment, which was adopted by the Central Valley Water Board on 8 June. The State Water Board's comment period ended on 2 November and seven comment letters were received. The notice and comment letters are available at https://www.waterboards.ca.gov/public_notices/comments/. The State Water Board is now expected to consider approval of this Basin Plan Amendment in May 2018. State Water Board consideration of this item was moved to a later date due to resource limitations and to allow time for coordination with the Central Coast Water Board, which has a TMDL for pyrethroids and sediment toxicity to be considered by the State Board. The Central Coast Water Board pyrethroid and sediment toxicity TMDL was approved by the State Water Board on 6 March 2017.

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 submitted to the Board on 12 January 2017. A resolution acknowledging receipt of the SNMP and directing staff to begin basin plan amendment work to implement the SNMP as appropriate was adopted at a 9 March hearing. Final copies of the SNMP and related policy documents can be found at: <http://www.cvsalinity.org/index.php/docs/central-valley-snmp/final-snmp.html>

Staff are continuing to work internally with Program Managers and externally with CV-SALTS stakeholders to draft the Staff Report with proposed Basin Plan Amendment language. Initial drafts of the proposed amendment were discussed at a public workshop held on 19 January 2018. A public comment hearing was originally scheduled for 22 March, 2018, however the hearing was cancelled in order to focus resources on preparation of the Draft Staff Report. The proposed Basin Plan Amendment will now be considered in a two-day adoption hearing conducted from 31 May to 1 June 2018. The supporting Staff Report is scheduled for release in mid-March with a 45-day public comment period.

2. Lower San Joaquin River Salt and Boron Water Quality Objectives (WQOs)

On 9 June 2017, the Board adopted the proposed Basin Plan Amendments (BPA) and supporting draft Staff Report to establish salinity WQOs on the Lower San Joaquin River. A State Board hearing was held on 9 January 2018 and the amendments were unanimously approved by the State Board members. The administrative record was finalized and will be submitted in March 2018 to the Office of Administrative Law, followed by US EPA. The amendment will be in effect after approval by USEPA.

Information on the proposed Amendment and supporting projects can be found at:

http://www.waterboards.ca.gov/centralvalley/water_issues/salinity/upstream_salt_boron/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. Evaluation of Municipal and Domestic Supply (MUN) Beneficial Use in Ag Dominated Surface Water Bodies

On 11 August 2017, the Board adopted the proposed Basin Plan Amendment to develop a region-wide MUN evaluation process in Ag dominated surface water bodies. A State Board hearing to approve the BPA is tentatively scheduled for May 2018.

More information on the project can be found at:

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

4. CV-SALTS Meeting Participation

On 11 January 2018, Pamela Creedon, Patrick Pulupa, Jeanne Chilcott, Anne Littlejohn and Glenn Meeks participated in the CV-SALTS Executive Committee meeting. Discussions focused on changes to the draft basin plan language that was released to the public for the 19 January 2018 CV-SALTS workshop and on the presentation for the workshop.

On 15 February 2018, Pamela Creedon, Patrick Pulupa, and Glenn Meeks participated in the CV-SALTS Executive Committee meeting. Discussions focused on a recap and follow-up from January 19th Regional Board Workshop and discussions of the newly developed Surveillance and Monitoring Program Basin Plan Amendment language and changes to the Salinity Control Program Basin Plan Amendment language.

On 31 January and 26 February 2018 Glenn Meeks and Walter Plachta participated in the CV-SALTS Public Education and Outreach Committee (PEOC) meetings. Discussion during the January meeting focused on a recap and follow-up of the 19 January workshop. Discussion during the February meeting focused on the

Attorney General's (AG's) press release to establish an Environmental Justice Department to address inequity in groundwater pollution impacts on disadvantaged communities. Discussion related to this topic focused on the need for the Regional Board to inform the AG of the work being conducted by CV-SALTS to help address groundwater pollution impacts. The PEOC also considered approval of the one page and two page drinking water inserts for outreach brochures.

On February 15, Walter Plachta attended a CV-SALTS outreach presentation that the Community Water Center (CWC) conducted for the Kings River East Groundwater Sustainability Agency Board in Dinuba. This outreach is part of the CWC's contract from the State Board to conduct CV-SALTS outreach to local groups.

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

An MAA meeting with Central Valley Water Board staff and representatives for USBR, the Westside San Joaquin River Watershed Coalition, and the Grassland Water District is scheduled for 26 March 2018. Nigel Quinn representing USBR will provide a summary of Real-Time Salinity Management Program activities including monitoring stations, telemetry, and progress made in outreach to water agencies. Participants will also discuss pending RTMP implementation grants and other topics such as the status of Central Valley Water Board's Basin Plan Amendment projects.

NPDES

General Orders

The Central Valley Water Board has issued several NPDES general orders to streamline the permitting process for similar-type discharges. Where existing NPDES permittees meet the eligibility requirements of the general orders staff seek to enroll the permittees under the general orders to streamline the permitting process. NPDES Table 1, below, summarizes the notices of applicability that were issued between 1 July 2017 and 28 February 2018.

NPDES Table 1

Facility	General NPDES Permit Number	General Permit Name
Glenn Springs Holdings, Inc. and Miller Springs Remediation Management Inc., Former J.R. Simplot Facility	R5-2016-0076-010	General Waste Discharge Requirements/NPDES Permit for Limited Threat Discharges to Surface Waters
Recology Hay Road Landfill Dewatering Project	R5-2016-0076-012	
Carson Hill Gold Mine Project	R5-2016-0076-014	
Sacramento Municipal Utility District (SMUD), Ice House Reservoir Auxiliary Dam Project	R5-2016-0076-013	
The Vendo Company, Groundwater Remediation System	R5-2016-0076-021	
Contra Costa Communities, LLC; Gilbert Property Construction Dewatering Project	R5-2016-0076-017	
Daikin Applied Americas, Inc.; Groundwater Remediation System	R5-2016-0076-020	
Gopher Hill Landfill Leachate Disposal, Plumas County	R5-2016-0076-022	
Dutch Slough Tidal Marsh Restoration Project	R5-2016-0076-023	
Union Pacific Railroad Company, Dunsmuir Railyard Project, Siskiyou County	R5-2016-0076-030	
General Electric Company and Wellmade Products Company, Groundwater Cleanup System	R5-2016-0076-027	
Ampine: A Division of Timber Products Company, Ampine Process Water Discharge	R5-2016-0076-018	
Nevada Irrigation District, Combie Reservoir Sediment and Mercury Removal Project	R5-2016-0076-019	

Constituents of Emerging Concern

On 10 January 2018, representatives from the Central Valley Clean Water Association (CVCWA) and Central Valley Municipal Separate Storm Sewer System (MS4s) group submitted a revised draft for the *Central Valley Pilot Study for Monitoring Constituents of Emerging Concern (CECs) Work Plan* (Work Plan) to Central Valley Water Board staff, which aims to pilot the State Water Board's *Constituents of Emerging Concern (CECs) Statewide Pilot Study Monitoring Plan* (Pilot Study). The Work Plan outlines a phased approach to sampling for CECs to determine impacts, if any, from CECs on surface waters. On 16 February 2018, Central Valley Water Board and State Water Board staff issued a joint conditional approval of the Work Plan requiring submittal of a revised Work Plan by 30 March 2018.

CVCWA and MS4s intend to coordinate with the Delta Regional Monitoring Program to implement the Work Plan with opportunity to obtain additional funding through Supplemental Environmental Projects. Central Valley Water Board staff expect sampling of ambient locations to begin by 1 July 2018 with effluent sampling to begin by 1 July 2019. If the Work Plan is not implemented by the proposed dates, Board staff plan to issue a 13267 letter to collect the necessary data from individual dischargers.

DAIRIES/CONFINED ANIMAL FACILITIES

Annual Report Reviews. Program staff have begun using a more comprehensive review process for dairy annual reports that has resulted in an increase in follow-up activity. A majority (about two thirds) of the approximately 1,200 annual reports submitted this year were complete and adequate. The remainder had some apparent discrepancy or missing information that staff has been following up on. In most cases, a phone call or letter is sufficient to acquire the information necessary to clarify or complete the annual report. In eight cases so far, Notices of Violation have been issued to dairy operators who failed to collect required monitoring data. Notices of Violation may be followed by formal enforcement if necessary to achieve future compliance.

OIL FIELDS

1. Waste Water Surface Ponds

As of 1 March 2018, Oil Field staff have received 26 Notices of Intent (NOIs) for coverage under General Waste Discharge Requirements General Orders for Oil Field Discharges to Land (General Order) 3 and three NOIs for coverage under General Order 2. These 29 NOIs represent all those expected for operators previously without waste discharge requirements, less six NOIs from four operators who have been recalcitrant. One Notice of Applicability (NOA) for an operator with multiple ponds in the Pyramid Hills Oil Field was issued. Issuance of an NOA for another Operator with ponds in the Pyramid Hills Oil Field, and issuance of two NOAs for ponds in the Lost Hills Oil Field are pending. Staff is continuing to work with applicants that are not covered under a Notice of Applicability to obtain coverage under the appropriate General Order or close their facilities.

Operators that have not applied for coverage under one of the General Orders or are not regulated under waste discharge requirements have submitted 39 closure plans for 39 sites to the Central Valley Water Board. Oil Field staff is continuing to review and respond to closure plans to insure the proper closure of these disposal facilities. There have been four operators with six facilities that have not responded to the requirements of their CAOs and were issued Notices of Violation. Oil Field staff is pursuing enforcement actions against these operators.

Oil Field staff continues to inspect facilities to ensure compliance with the Cleanup and Abatement Orders and to verify the condition of the facility that will be closed. Staff continues to review monitoring reports required by Waste Discharge Requirements and technical reports that request rescission of groundwater monitoring requirements from recently issued Revised Monitoring and Reporting Programs.

2. Spill Response

Central Valley Water Board staff responds to oil field spills and upsets reported to the Office of Emergency Services (OES). Four significant events occurred in January and February.

- A spill of crude oil and oil field produced wastewater into a dry stream bed occurred on the Section 26C Lease operated by Chevron USA, Inc., in the Midway Sunset Oil Field on 22 January 2018. Reportedly, a pipeline failure caused the discharge of approximately 0.6 bbl of crude oil and 0.52 bbl of oil field produced wastewater into the affected dry stream bed. Reportedly, cleanup of the affected areas was completed, and Staff of the California Department of Fish and Wildlife – Office of Spill Prevention and Response (CDFW-OSPR) conducted a post cleanup inspection of the affected areas.
- A spill of crude oil and oil field produced wastewater into a dry stream bed occurred on the Section 26C Lease operated by Chevron USA, Inc., in the Midway Sunset Oil Field on 14 February 2018. Reportedly, corrosion in a pipeline caused the discharge of approximately 0.5 bbl of crude oil and 3.9 bbl of oil field produced wastewater into the affected dry stream bed. Cleanup of the affected areas was completed and staff of the CDFW-OSPR conducted a post cleanup inspection of the affected areas.
- A spill of crude oil into what appeared to be dry stream bed occurred on the Lake Station facility operated by Plains All American GP, LLC., located east of the Buena Vista Oil Field on 17 February 2018. Reportedly, a valve failure during maintenance caused the discharge of approximately 230 bbl of crude oil into what was reported as a man-made ditch formed by erosion. Staff of CDFW-OSPR inspected the spill site and determined that the affected ditch was not a blue line stream bed nor waters of the state, therefore, considered the matter closed. Reportedly, Staff of the CDFW-OSPR observed cleanup activities in progress and will not conduct a post cleanup sign-off inspection. Staff is following up with the responsible party regarding the status of cleanup and may conduct a post cleanup inspection of the affected areas.

- A spill of crude oil and oil field produced wastewater into a dry stream bed occurred near the Station 36 facility operated by Chevron USA, Inc., in the Kern River Oil Field on 26 February 2018. Reportedly, a leak in a pipeline caused the discharge of approximately 0.2- bbl of crude oil and 1.2 bbl of oil field produced wastewater into the affected dry stream bed. Cleanup of the affected areas was still in progress as of 1 March 2018. Staff will follow-up with the responsible party regarding status of cleanup of the affected areas and may conduct a post cleanup inspection of the affected areas.

Staff is considering appropriate enforcement for the spills.

3. UIC Program

From 4 January 2018 through 7 March 2018, Underground Injection Control (UIC) Unit staff issued one letter identifying receipt of and review of technical information required from an operator regarding an information Order (13267 Order). The Order was issued to an oil field operator and required submittal of a technical report for 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 Order required the operator to either provide specific technical information, or to provide technical justification that its injection well(s) are injecting into an exempted aquifer/zone and therefore should not receive a 13267 Order

Staff have participated in discussions and provided comments to draft concurrence letters prepared by State Board staff regarding Water Boards concurrence of four Aquifer Exemption applications (Edison, Lost Hills, North Belridge, and South Belridge).

Staff completed reviews for three UIC projects and issued no objection letters, including memoranda, to the Division of Oil Gas and Geothermal Resources (Division) and operators (Edison, Midway Sunset, and McKittrick oil fields). Staff conducted initial reviews and submitted questions to the Division and operators regarding six UIC projects submitted to the Division for waste water disposal into a portions of the Midway Sunset, Cymric (2), Coalinga East, McKittrick, and Sutter City Gas oil fields.

Staff hired an additional Water Resource Control Engineer for the UIC Unit.

4. Senate Bill 4 (SB-4) Program

Since the last Executive Officer's Report, staff have completed four SB4 Well Stimulation Treatment (WST) Application package reviews, and submitted written comments to the State Board. All Application packages were for the Buena Vista Nose Area in Kern County. Six WST Application packages are under review.

Staff completed four groundwater monitoring plan related reviews. These plans are associated with planned well stimulations in the South Belridge Oil Field, Lost Hills Oil Field and in the Buena Vista Nose area.

One Water Resource Control Engineer and one new Engineering Geologist have been hired for the SB-4 Unit. These hires were to fill vacancies caused by attrition.

5. Food Safety

In January 2018, staff held a public meeting of the Food Safety Expert Panel. During the meeting, staff gave an update on the progress of the project and the effort to move forward with the implementation of studies governed by the Memorandum of Understanding between the Board and Permit Holders that generate or use produced water for crop irrigation. Board staff anticipates that Permit Holders will soon be able to select a consultant who can move forward with the work outlined in the first Scopes of Work for Tasks 1 – 3. Task 1 is a preliminary hazard assessment of crude oil constituents and additives. Task 2 is a rigorous and thorough review of the available literature on produced water reuse in agriculture and the potential occurrence of chemical additives and

petroleum-associated contaminants in food crops, in the context of current irrigation practices. Task 3 will be additional crop sampling for constituents of concern.

Also during the meeting, Dr. William Stringfellow, science advisor to the Board, gave a presentation on the results of crop sampling studies conducted in 2017. According to the report, all compounds detected in the crops were found at low or very low concentrations and well within safe ranges.

In January and February 2018, Central Valley Water Board staff issued 29 13267 Orders to dischargers, suppliers, and manufactures of chemical additives used in oil fields that supply produced water to irrigators. Out of the 29, two suppliers have not responded and staff is working on enforcement. Staff is also working to compile additive information that has been submitted in response to the 13267 Orders, as well as additive information submitted in monitoring reports. Staff anticipates incorporating the full list of additives into monitoring programs, and requiring all additives to be analyzed for during future crop sampling events. Crop sampling efforts of the Food Safety project will resume in March 2018.

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 April 2018 stakeholder meeting will be held at the Stanislaus County Farm Bureau, with a focused discussion on the recently adopted State Board Order issued in response to the petition of Eastern San Joaquin WDRs. 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_lands/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 7 February 2018, the State Water Board adopted 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 changed the current General Order, adding on-farm drinking water well monitoring for all growers starting in 2019, development of numeric targets to assess nitrogen loading to groundwater, anonymous field-level reporting of management practices to the Central Valley Water Board, changes to reporting requirements, and a number of other items. Some elements are precedential and required to be incorporated in ILRPs statewide within the next 5 years. The State Water Board Order also required the Central Valley Water Board to convene an external public review process for the surface water monitoring framework. More information regarding the State Water Board Order can be found at the following [web page](#):

http://www.swrcb.ca.gov/public_notices/petitions/water_quality/a2239_sanjoaquin_ag.shtml

ILRP Compliance, Outreach & Enforcement

Reminder letters for Late Annual Reports

Since January 2018, staff has mailed approximately 300 annual report reminder letters to the Sacramento Valley Coalition members. The letters provide members the opportunity turn in their reports prior to the issuance of Notices of Violation.

Included with each reminder letter is a tri-fold that describes the requirements of the Farm Evaluation Report and the Nitrogen Management Plan Summary Report. Staff plans to work with the State Water Board's Office of Public Participation to translate the tri-fold into other languages. The tri-fold can be found on the Central Valley Water Board ILRP web page:

https://www.waterboards.ca.gov/centralvalley/water_issues/irrigated_lands/2018_annrpt_trifold.pdf

Agricultural Parcel Inspections

The purpose of these inspections is to determine if the parcels are commercial irrigated lands and 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 Jan 5 – Mar 1
Sacramento Valley	313
Total	313

On-Farm Inspections for General Order Compliance

The purpose of on-farm inspections is for Board staff to visit coalition-enrolled farms and discuss water quality-related issues with growers. These inspections include staff review of the farm evaluations, nitrogen management plans and sediment and erosion control plans; and inspection of site conditions, including potential discharge points to surface waters, pollution management practices, chemical storage and handling areas, and wellhead protection practices.

Coalition Area	On Farm Inspections Jan 5 – Mar 1
East San Joaquin	9
San Joaquin Co & Delta	6
Total	15

Water Code Section 13260 Directives

Staff has added an additional step in the outreach process to growers. Staff now sends an outreach letter after parcel inspections and prior to the issuance of directives. These directives are sent to owners of commercial irrigated lands identified through staff inspections of agricultural-zoned parcels who don't respond adequately to outreach letters. 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 Jan 5 – Mar 1
San Joaquin Co & Delta	70
Sacramento Valley	1
Total	71

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

Between 5 January 2018 and 4 March 2018, Notices of Violation (NOVs) were sent to 52 coalition members within the Tulare Lake Basin Area 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 summary reports to their respective coalition or potentially face monetary penalties. Members have been responsive, with 50 of 52 recipients submitting the required paperwork.

Between 5 January and 1 March 2018, Notices of Violation were mailed to 98 members within the San Joaquin County and Delta and 60 were mailed to members and operators within the Western San Joaquin River Watershed 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 summary reports to their respective coalition or potentially face monetary penalties.

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 (2017)*	2,500	3,382	100	8,149	3,528	2,505	20,164
Number of Growers Enrolling Land Due to Directive/eNOI (Jan 5, 2018 – Mar 1, 2018)***		7		8	7		25
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 (2017)*	536,000****	702,081	83,913	1,332,327	516,357	431,452	3,602,131
Number of Acres, Annual Fees (2017-2018)**	436,000****	705,683	83,913	1,332,327	516,357	432,505	3,506,785
Number of Acres added due to Directive/eNOI (Jan 5, 2018 – Mar 1, 2018)***		858		805	120		1,783

* Grower participant lists are updated yearly by the Coalition Group on 31 July. Staff calculates the number of acres and participants based on data provided in the participant lists.

** 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 1 March 2018.

****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 (2017)*	42	87	1,272	762	4,658	1,012	42	1,247	9,122
Number of Growers Enrolling Land Due to Directive/eNOI (Jan 4, 2018 – March 4, 2018)***			1	13	7				21
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 (2017)*	32,930	33,818	158,842	528,687	785,692	224,264	98,136	487,526	2,349,895
Number of Acres, Previous Annual Fees (2018)**	34,090	33,818	158,842	528,687	761,479	224,596	98,136	487,526	2,327,174
Number of Acres added due to Directive/eNOI (Jan 4, 2018 – Mar 4, 2018)***			5	4024	1033				5,062

* 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 3 January 2018

Central Valley Groundwater Monitoring Collaborative (CVGMC)

On 16 February 2018, staff met with representatives of the Central Valley Groundwater Monitoring Collaborative (CVGMC) to receive updates on the group’s progress in developing a regional groundwater trend monitoring program. Discussions centered on timelines for deliverables, and the content of the upcoming Phase 1 Technical Workplan expected 16 May 2018. Groundwater monitoring is projected to begin in Fall of 2018.

Sacramento River Watershed Coalition Groups

California Rice Commission

On 26 January 2018, the 2017 Annual Monitoring Report (AMR) was approved as mostly complete by the Program Manager. The 2017 AMR covers the surface water and groundwater monitoring activities that were completed in 2017, which was the first year for reporting of groundwater quality trend monitoring results. Staff requested that CRC confirm if an elevated nitrate concentration observed at a single well is a confirmed exceedance and report their findings to the CVWB by 26 March 2018.

Sacramento Valley Water Quality Coalition

On 29 December 2017, the Executive Officer provided a response to a request by the Sacramento Valley Water Quality Coalition (Coalition) regarding exemptions from the requirement to complete Sediment and Erosion Control Plans for irrigated pasture, alfalfa, orchard grass, and wild rice for Member parcels in the Pit River and Upper Feather River subwatersheds. The exemptions were not granted, but an alternative approach was offered whereby a 5-year extension to the SECP certification deadline would be granted if criteria for the extension were provided and approved. The Coalition did not pursue the alternative approach.

On 5 January, the Executive Officer approved completion of the Coalition’s surface water quality management plan (SQMP) for Legacy Organochlorine Pesticides (DDE) in North Canyon Creek in the El Dorado Subwatershed. The approval was based on meeting the water quality objective and documentation of extensive implementation of applicable management practices.

On 16 January 2018, the Executive Officer conditionally approved the Coalition’s 2018 water year Monitoring Plan Update and Pesticide Evaluation Protocol. The Monitoring Plan Update proposes the water quality monitoring schedule for the period between October 2017 and September 2018.

On 26 January 2018, staff finalized the review of the 2016 Annual Monitoring Report (AMR). The 2016 AMR covers surface water monitoring, management plan progress, farm evaluations and Total Maximum Daily Load (TMDL) compliance activities that were completed in 2016.

On 14 February 2018, staff held a Quarterly Status Update Meeting with the Coalition to discuss the status of various management plans, management plan completion requests, dioxin monitoring, and other activities happening throughout the subwatersheds.

On 20 February 2018, staff provided informal feedback on an online Sediment and Erosion Control Plan certification course that is being developed by Blankinship & Associates for the Sacramento Valley Water Quality Coalition.

On 1 March 2018, the Coalition presented the results of their evaluation of factors that may be associated with dissolved oxygen and pH levels. This was the second phase of a project to address DO and pH management plans. The results are under staff review.

Placer-Nevada-South Sutter-North Sacramento Subwatershed Group

In October 2017, the Placer-Nevada-South Sutter-North Sacramento Subwatershed Group (PNSSNS) submitted a request for a Notice of Applicability (NOA) to serve as a third-party group under General Order R5-2014-0030, while concurrently terminating their contractor services agreement for the SVWQC. In November and December, staff and PNSSNS representatives met to discuss Water Board concerns regarding the potential gap in member coverage. On 15 November, the Assistant Executive Officer issued a letter urging PNSSNS to renew the agreement so their members can be assured of coverage under General Order R5-2014-0030. On 21 December, PNSSNS provided an interim agreement, which rescinded the termination of coverage and extends the agreement through 31 October 2018. With the interim agreement, PNSSNS members have coverage under General Order R5-2014-0030. Staff is preparing a response letter for PNSSNS's NOA detailing the additional information needed to complete their application.

San Joaquin River Watershed Coalition Groups

East San Joaquin Water Quality Coalition

On 30 January, the Executive Officer approved an addendum to the 2017 Annual Report Farm Evaluation Summary Analysis. The Farm Evaluation Addendum includes analysis of 557 surveys after the submittal of the 2017 annual report bringing the total number of 2016 Farm Evaluations received to 91%.

On 31 January, the Executive Officer approved the completion of Coalition's management plans for 10 site/constituent pairs; management plans will continue for 4 site/constituent pairs that do not meet the requirements for completion.

On 28 February, staff held the 31st Quarterly Meeting with the Coalition representatives to discuss the implementation status of Management Plans, Focused Outreach, Management Plan Completion, and the status of other activities in progress. The Coalition provided an update on the management plan monitoring results and outreach in the subwatersheds.

On 1 March, staff received the Coalition's Quarterly Monitoring Data Report for the period July 1 through September 30, 2017.

On 2 March, the Central Valley Water Board approved the Coalition's 21 September 2017 request to revise the Quality Assurance Project Plan FB and FD collection requirements. The revision includes the collection of a FD and FB on a 5% of total annual project samples per method basis and includes at least one FB and one FD from a site per sampling event.

San Joaquin County and Delta Water Quality Coalition

On 16 January, the Coalition submitted an addendum to the approved 1 August Monitoring Plan Update for the 2018 Water Year. The Coalition proposed an update to its current monitoring plan to include monitoring data June through September 2017 that was not available at the time when the Coalition submitted its approved MPU to staff. On 15 February, staff recommended that the Coalition should evaluate the potential risks or threats to water quality at certain Represented sites by 15 March.

On 9 February, based on the 16 November Coalition Management Plan Completion request, the Executive Officer approved completed management plans for Lone Tree Creek @ Jack Tone Rd (pH and Pimephales promelas), Roberts Island @ Whiskey Slough Pump (Ceriodaphnia dubia), and Union Island Drain @ Bonetti Rd. (Ceriodaphnia dubia).

On 2 March, the Central Valley Water Board approved the Coalition's 21 September 2017 request to revise the Quality Assurance Project Plan FB and FD collection requirements. The revision includes the collection of a FD and FB on a 5% of total annual project samples per method basis and includes at least one FB and one FD from a site per sampling event.

Westside San Joaquin River Watershed Coalition

On 15 January, the Coalition submitted its Annual Monitoring Plan Update (MPU), which covers monitoring from March 2018 through February 2019. Coalition and Water Board staff are currently working through the MPU together to ensure that all requirements are met.

On 22 January, the Coalition submitted a source identification study workplan for arsenic, boron, and selenium exceedances. The proposal is currently under staff review.

On 31 January, the Coalition took Water Board staff on a field visit to some areas of the Central California Irrigation District and Patterson Irrigation District. The purpose of the visit was to see different types of drainage situations and how the Sediment and Erosion Control Plan (SECP) requirements will need to be applied in these different situations. Water Board staff was able to provide additional guidance based on the field visit, and the Coalition will soon be submitting additional SECP workplan details in response.

On 13 February, Water Board and Coalition staff held the first quarterly meeting of 2018. The purpose of these meetings is to discuss Coalition reports and deliverables, management plan development and status, water quality data, and anything else that arises.

Tulare Lake Basin Coalition Groups

Buena Vista Coalition

On 12 February 2018, staff provided a letter to the Buena Vista Coalition regarding groundwater quality trend monitoring work plan requirements. The Buena Vista Coalition has not submitted an individual groundwater quality trend monitoring plan, but has opted to include its required trend monitoring work plan elements as components of the Central Valley Groundwater Monitoring Collaborative (CVGMC) Technical Work Plan. Waste Discharge Requirements R5-2013-0120 (General Order) requires that groundwater quality trend monitoring plans contain specific information. Staff summarized the requirements in a tabular format and provided them in an attachment to the letter. The Buena Vista Coalition must completely address trend monitoring work plan requirements by 16 May 2018 as part of the CVGMC's Phase 1 Technical Work Plan. Groundwater sampling is anticipated to begin by Fall 2018.

Kaweah Basin Water Quality Association

On 10 January 2018, staff issued a review of the Kaweah Basin Water Quality Association's individual Groundwater Trend Monitoring Workplan. As the Coalition is participating in the Central Valley Groundwater Monitoring Collaborative's regional monitoring effort, the staff comments were focused on proposed monitoring areas, the criteria for selection of monitoring wells, and proposed sampling schedule.

Kern River Watershed Coalition Authority

On 5 February 2018, staff provided review of the Kern River Watershed Coalition Authority's individual Groundwater Trend Monitoring Work Plan. Staff comments were primarily focused on well details and selection rationale. These comments also provide direction for issues that will be addressed collaboratively in the Central Valley Groundwater Monitoring Collaborative Technical Work Plan, which will be submitted by 16 May 2018. Groundwater trend monitoring is anticipated to begin by Fall of 2018.

Kings River Watershed Coalition Authority

On 16 February 2018, staff provided review of the Kings River Water Quality Coalition's individual Groundwater Trend Monitoring Work Plan. Staff emphasized the need to coordinate with the Central Valley Groundwater Monitoring Collaborative to ensure that all components of a trend monitoring plan required by the MRP are provided in the group's upcoming submittal on 16 May 2018.

Tule Basin Water Quality Coalition

On 23 January 2018, staff issued a review of the Tule Basin Water Quality Association's individual Groundwater Trend Monitoring Workplan. As the Coalition is participating in the Central Valley Groundwater Monitoring Collaborative's regional monitoring effort, the staff comments were primarily focused on the need to provide well construction details, proposed sampling schedule, and monitoring constituents.

Westside Water Quality Coalition

On 29 January 2018, staff issued a review of the Westside Water Quality Coalition's individual Groundwater Trend Monitoring Workplan. As the Coalition is participating in the Central Valley Groundwater Monitoring Collaborative's regional monitoring effort, the staff comments were primarily focused on proposed monitoring areas and aquifer zones, well construction details, and proposed sampling schedule.

Westlands Water Quality Coalition

On 29 February 2018, ILRP staff met with the Westlands Water Quality Coalition and Michael L. Johnson LLC Ecosystems Consulting staff via telephone to discuss the recent staff review of the Coalition's Groundwater Quality Management Plan. Staff provided clarification regarding comments provided in the review, and the Coalition anticipates being able to provide a revised submittal by 9 April 2018.

Growers Under the Individual Discharger General Order

On 26 January 2018, the Central Valley Water Board's Lead Prosecutor issued Notices of Noncompliance to Beard's Quality Nut Company, LLC and RB Ranch Development, LLC for failure to submit complete Farm Water Quality Plans, as required under Order R5-2013-0100 and in the 18 November 2016 Notice of Applicability issued by the Executive Officer. As requested by the Lead Prosecutor, the permittees are revising the FWQPs to bring them into compliance.

Other Projects

Data Management

The Data Management Team has processed Westlands Stormwater Coalition water quality monitoring data for the period October 2013 through December 2016. The DMT compiled data from various locations in hard files and e-files. Consequently, two data sets are pending upload to CEDEN at SWAMP and the remaining 21 EDDs are in the queue and ready for SWAMP. Going forward, the CVRDC will process Westlands data deliverables for the Coalition.

The Data Management Team continues to route water quality monitoring data through SWAMP for transfer to CEDEN and is current with its CEDEN loads. CEDEN transfers occur approximately once per month. After ILRP staff performs a completeness check, SWAMP staff loads the monitoring data to CEDEN. Three coalitions send its data directly to the CVRDC for transfer to CEDEN in May each year. Processed ILRP data notes the available data date ranges in the table below. Staff will continue to report on this effort.

Available Data for Each Coalition in CEDEN	Date Range
California Rice Commission	Jul 2004 - Jul 2016
Westside San Joaquin River Water Quality Coalition	Sep 2008 - Feb 2016
Sacramento Valley Water Quality Coalition	Jul 2004 - Mar 2017
Grasslands Bypass Project	Oct 1995 - Dec 2016
East San Joaquin Water Quality Coalition	Jul 2004 - Oct 2016
San Joaquin County and Delta Water Quality Coalition	Aug 2004 - Sep 2016
Westlands Storm Water Coalition	Nov 2008 - Sep 2013

Grassland Bypass Project

On 27 February 2018, the Executive Officer approved the U.S. Bureau of Reclamation's Final Quality Assurance Project Plan (QAPP) for the Compliance Monitoring Program for the operation of the Grassland Bypass Project.

On 28 February, the Executive Officer approved a modification of the Pesticide Management Plan for the Grassland Basin Drainers. The modification allows the Permittees to limit pesticide monitoring to the time of year when the Grasslands Bypass Project has the potential to discharge to the San Luis Drain (October through May).

Norman's Nursery

On 2 February 2018, Norman's Nursery submitted a Phase I Site Specific Management Plan for Norman's Nursery Linden. The plan is currently under staff review. Norman's Nursery Linden and the SJ Delta Coalition are jointly developing a Management Plan to address surface water and groundwater nitrate exceedances observed during 20 years of monitoring under MRP 97-811.

Rice Pesticides Program

On 14 December 2017, the 2017 Annual Monitoring Report for the Rice Pesticides Program was submitted to the Central Valley Water Board and released for public comments on 15 December. The California Rice Commission followed the submittal of the Annual Monitoring Report with a letter to the Executive Officer outlining their recommendations for the 2018 monitoring season on 19 December. The Annual Monitoring Report and recommendations are currently under staff review.

GROUND WATER STRATEGY

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 completed a Salt and Nitrate Management Plan in December 2016. The SNMP was discussed at a 9 March 2016 Board hearing, where the Board adopted a resolution to acknowledge receipt of the SNMP and directed Board staff to develop basin plan amendments to implement appropriate recommendations from the SNMP. Board staff and other CV-SALTS stakeholders are currently developing a proposed Basin Plan Amendment for a Central Valley Salt and Nitrate Control Program based on recommendations from the submitted SNMP and comments received from interested parties. A workshop to discuss the proposed Basin Plan Amendment was held on 19 January in Rancho Cordova. More details on CV-SALTS activities can be found in the Salinity and CV-SALTS section of this EO report. A draft staff report is being circulated for comment prior to release. 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. Discussions 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.

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 2016 meeting. A General Order for Confined Bovine Feeding Operations was considered and adopted by the Central Valley Water Board at its June 2017 meeting. Approximately 200 poultry facilities have submitted Notices of Intent to comply with the Poultry General Order. The deadline to submit a Notice of Intent for the Bovine Feedlot Order is July 1, 2018.

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/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 develop training for continued education credits.

Action 6.5.3 Reduce Site Cleanup backlog. The goal of this action is to reduce the number of inactive cases (i.e., the case backlog) in the Site Cleanup Program, which originally had 791 backlog cases. During the 2017/2018 fiscal year, 60 open, inactive cases have been reviewed. Of these, 56 were eliminated from the backlog. Of the cases reviewed, 4 need additional staff time and effort on the responsible parties part to resolve. Since the backlog reduction project began, all 791 backlog cases have been initially reviewed with 569 being eliminated from the backlog, and about 222 identified as requiring additional resources. Of these remaining 222 Open Inactive Cleanup Program Sites, 49 cases have been assigned to staff who are working on activating the cases.

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 2016. 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 consideration (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, but is also expected to speed up the processing of applications for WDRs from new or expanding facilities. Regional Water Board staff is beginning the process of developing general orders for domestic wastewater treatment facilities that discharge more than 100,000 gallons per day, nut hulling facilities, and canned and frozen food processors and working with the industry representatives for consideration of draft general orders.

Staff has been tracking time to monitor effectiveness of its Lean 6 Sigma project implementation measures. A new electronic time tracking spreadsheet has been implemented this fiscal year to better understand where the biggest time sync in the permitting process occurs. This will allow staff to focus attention to improving this part of the process. Improvements through Lean 6 Sigma and drafting new general orders 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 Central Valley Water Board staff by 13 May 2016. Staff received 29 of 30 Central Valley LAMPs by the submittal deadline, and one late submittal. Staff are also responsible for reviews of 8 LAMPs that partly extend into the Central Valley, but under external Regions' jurisdictions. The Redding, Rancho Cordova, and Fresno Offices are coordinating reviews in detail. Staff have reviewed all 30 LAMPs and resolved issues with local environmental health directors. Two remaining LAMPs are incomplete; we await revised versions. Staff have reviewed 7 of 8 LAMPs from external Regions; we await a request for review on the remaining LAMP. Prior to public noticing and recommendations to the Central Valley Water Board for consideration, staff request Local Agencies to gain their Board of Supervisors' approvals, and related new code adoptions. The Water Board will likely approve 26 LAMPs by the 13 May 2018 Policy deadline, 87% of our total. Local Agencies that lack Regional Board LAMP approvals will regulate either under OWTS

Policy Tier 1 (generally more conservative than a LAMP) or local codes, whichever is more stringent. Staff are currently working with 22 cities in four counties that have OWTS within incorporated areas. Cities have options to either allow county oversight, regulate under Tier 1, or submit LAMPs. Most cities will allow county oversight, although 2 to date have opted for Tier 1. Staff regularly update progress on the following webpage: https://www.waterboards.ca.gov/centralvalley/water_issues/owts/lamp_reviews/

CANNABIS PROGRAM

Cannabis General Order Enrollment and Developments

To date approximately 730 cannabis cultivators have applied for coverage under Regional Board General Order No. R5-2015-0113, which was adopted on 2 October 2015. Staff have reviewed and approved enrollment for approximately 722 of those applications. Table 1 provides a summary of the active enrollments to date.

Table 1

County	Tier 1 Enrollment	Tier 2 Enrollment	Tier 3 Enrollment	Total Active Enrollments
Calaveras	215	266	62	543
Yolo	23	42	27	92
Lake	31	27	7	65
Nevada	13	1	-	14
Sierra	4	1	-	5
Plumas	2	-	-	2
Mariposa	1	-	-	1
Total	291	331	96	722

Program staff have been working with the State Board to improve processing and tracking of enrollments as well as finalizing templates for notices of applicability and inspections. Staff have been actively reviewing and processing enrollments under the Statewide Cannabis General Order, and have begun outreach to ensure Central Valley Board enrollees transition to the Statewide Cannabis General Order in a timely manner. To date staff have received approximately 69 Statewide Cannabis General Order applications and have approved and enrolled approximately 31 dischargers under the Statewide Cannabis General Order. Table 2 provides a summary of the Statewide Cannabis General Order enrollments in the Central Valley Region to date.

Table 2

County	CE*	Tier 1L	Tier 1M	Tier 1H	Tier 2L	Tier 2M	Tier 2H	Total Active Enrollments
Calaveras	1	1	1	-	-	-	-	3
Sacramento	3	-	-	-	-	-	-	3
Lake	-	6	-	-	6	-	-	12
Nevada	-	6	-	-	-	-	-	6
Stanislaus	1	2	-	-	-	-	-	3
Yolo	-	-	-	-	2	-	-	2
Total	5	15	1	0	8	0	0	31

*CE: Conditionally exempt, enrolled in the Statewide Cannabis Waiver of Waste Discharge Requirements.

Cannabis Compliance and Enforcement

Notice of Violation

In March 2018, one Notice of Violation has been issued for non-compliance with a Cleanup and Abatement Order. Additionally, in February 2018 staff have participated in four notice of violation follow up inspections, three in Calaveras County and one in Lake County.

Cannabis Staffing

For the 17/18 fiscal year, the Central Valley Water Board received several new positions allocated to the Cannabis Program. These new positions have been placed in both the Redding and Rancho Cordova offices, with a total of 10 Program staff in Redding and 4 Program staff in Rancho Cordova.

Redding Vacancy/Hiring Status

- Senior ES (17/18 position) – Elizabeth Betancourt hired on 12-4-17
- Associate Governmental Program Analyst (17/18 position) – Katie Gilman hired on 11-27-17
- Engineering Geologist (17/18 position) – Kelly Hickcox hired on 2-20-18
- Environmental Scientist (17/18 position) – Michael Crook hired on 2-12-18
- Environmental Scientist (17/18 position) – Shane Price hired on 2-20-18
- Environmental Scientist (17/18 position) – Harihar Nepal, start date scheduled 3-19-18
- Water Resources Control Engineer – Ryan Cornwall hired on 1-16-18

Rancho Cordova Vacancy/Hiring Status

- Environmental Scientist – vacancy closed, interviews being scheduled
- Water Resources Control Engineer (17/18 position) – Jeffrey Tierney hired on 1-16-18
- Water Resources Control Engineer (17/18 position) – Interviews completed
- Engineering Geologist (17/18 position) – Danielle Tiopan hired on 1-16-18

NON - POINT SOURCE (NPS)

Clear Lake Nutrient Control Program Update

Staff is developing an implementation status update report for the Clear Lake Nutrient Control Program for public review in 2018. The report is currently undergoing internal review and is scheduled to be released for public review in Spring 2018. In addition, staff is continuing to evaluate potential options for amending portions of the Nutrient Control Program, including the compliance date (19 June 2017) and milestones for assessing implementation progress. Although many implementation activities have been completed and are in progress, available information indicates it was not possible to attain all allocations by the compliance date, primarily due to delays in acquiring funding to complete the Middle Creek Flood Damage Reduction and Ecosystem Restoration Project.

An additional workshop is being scheduled in Lake County in Spring 2018 to review staff's upcoming implementation status update report and to discuss stakeholder questions and concerns about the implementation status of the control program. Central Valley Water Board Members will be invited to attend this workshop. In addition to the workshop, staff is also creating education materials to address stakeholder concerns following the August 2017 public outreach meeting.

More information about the Clear Lake Nutrient Control Program as well as the outreach meeting materials and written comments can be found at:

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

CYANOBACTERIA BLOOMS UPDATE.

HABs Portal

The California Water Quality Monitoring Council developed a web-based portal "[Are harmful algal blooms affecting our waters?](#)" (HABs Portal) to track cyanobacteria and other harmful algal blooms (cyanoHABs) occurring across the state. This HAB Portal functions as a "one-stop shop" resource for the public, waterbody managers and local health departments for information on how to report a bloom, how to identify a cyanoHAB, and guidance documents for local waterbody managers and health agencies on posting advisories, proper field sampling protocols and laboratory resources.

Central Valley Bloom Notifications and Response – 2018 Summary

No "new" cases of cyanobacteria blooms have been reported to the Central Valley Water Board HAB Coordinator in 2018. However, staff was notified in early February that HABs in Discovery Bay never fully subsided from 2017 and that certain areas were still showing visible signs (i.e., surface mats and scum) of cyanobacteria blooms in the water. Contra Costa County Health Services Department did not perform any sampling but they did leave Caution signs posted at a few locations within Discovery Bay to ensure the public remained aware of the blooms.

In Clear Lake, the Big Valley Rancheria Band of Pomo Indians and the Elem Indian Colony received a small federal EPA grant to continue monitoring lake water quality conditions over the winter (December through March) at approximately 11 lake sites and 3 sites in the middle of each arm of the lake. Monitoring includes the collection of routine water quality parameters and the collection of water samples for cell identification, and total microcystin toxin testing, which will be performed at the EPA Region 9 Richmond lab. In December, very low concentrations (≤ 0.16 micrograms per liter) of microcystin were detected at 12 of the sites. In January, only 3 sites had microcystin detected at very low concentrations (≤ 0.12 micrograms per liter). February results are not available yet. Very few cyanobacteria were identified in the water samples as most of the organisms present were diatoms. Table 1 below provides a summary of the HAB Coordinator's cyanoHAB notifications and response activities conducted in 2018.

Table 1. Summary of Suspected and Confirmed Cyanobacteria Blooms in the Central Valley in 2018

Count	Month	Report Name (Report ID)	Status	Cyanobacteria (Genera) Identified?	Site Previously Reported in 2016/2017 ¹ ?	Toxin Detected	Human Illness (reported)	Wildlife Impacts (reported)
1	January	Clear Lake	No bloom; monitoring only	Pseudanabaena and other unidentifiable filamentous type cyanos;	Yes	Microcystin	None	None
2	February	Discovery Bay	Confirmed from last year	Not identified	Yes	Not tested	None	None

¹The 'site previously reported in 2016/2017' column only identifies if the site had a reported bloom in 2016 and 2017. This is not meant to imply that a bloom did not occur there in 2016/17 or previous years. It only indicates whether a suspected or confirmed bloom was reported to the Water Boards in 2016/17.

GRANTS

Clean Water Act §319(h) Nonpoint Source Grant Solicitation –

Approximately \$4 million will be 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. In addition, this solicitation is seeking Post-Fire Recovery Proposals. The solicitation closed on February 8, 2018. The Central Valley Water Board received three proposals for consideration: San Joaquin Valley Drainage Authority submitting Next phase implementation of the San Joaquin River real time salinity management program, the Sacramento-San Joaquin Delta Conservancy submitting Implementation of BMPs in the Delta: A Comprehensive Pesticide Management Project to Improve Water Quality, and the Lake County Watershed Protection District (Department of Water Resources) submitting Middle Creek Gravel and Sediment Extraction. Award decisions will be made May 2018.

For more information, please visit the NPS website:

https://www.waterboards.ca.gov/water_issues/programs/nps/319grants.shtml.

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

Implementation of Agricultural Best Management Practices (BMPs) in Alfalfa, Almonds, and Cotton that Aid in Restoration of the San Joaquin River Watershed (\$749,997) – The Sustainable Cotton Project is engaging more farmers of alfalfa, cotton, almonds and more acres in the Lower San Joaquin River watershed to implement proven BMPs. This grant works to reduce or eliminate farmers' use of diazinon and chlorpyrifos and will address the chlorpyrifos and diazinon TMDL for this watershed. (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 On-going Grants:

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 eight 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. (Closing 4/30/2019)

Ponderosa Way Road Assessment and Sediment Reduction Plan Phase II) (\$500,000) – The Resource Conservation District of Tehama County will conduct a road-related sediment survey on Ponderosa Way in Eastern Tehama County between State route 36E and State Route 32E (Project Area). This project will result in a sediment reduction plan for the Project Area with one or more demonstration projects in the Project Area. (Closing 3/31/2020)

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. (Closing 10/31/2018)

Post-Fire Response to Forest Management (\$329,519) – California Department of Forestry and Fire Protection will quantify the effects of post-fire management practices such as logging, ripping, and herbicide application on stormwater runoff rates, sediment delivery, organic matter transport, and soil properties in the Boggs Mountain Demonstration State Forest. (Closing 05/31/2020)

Roadside Fuel Reduction (\$370,000) – Yuba County will construct 185 acres of shaded fuel breaks along 30 miles of roadways in the Yuba foothill state recreation area. This project will result in enhanced fire safety and prevent water quality degradation from wildfires. (Closing 4/30/2019)

Timber Regulation and Forest Restoration Grants to be executed by June 30, 2018:

North Butte County Road Inventory and Improvement Project (\$375,000) – The Resource Conservation District of Butte County will conduct a road inventory and prepare an Action Plan to reduce sedimentation from native surface roads located within the Butte Creek and Big Chico Creek watersheds (67 miles), prepare a CEQA document, implement road upgrades along four (4) miles of Powellton Road within the Butte Creek watershed, and hold two public workshops.

Battle Creek Watershed Road Sediment Reduction Program Phase 1 & 2 (\$406,350) – The Western Shasta Resource Conservation District will prepare a prioritized erosion prevention plan to identify and reduce road-related sediment inputs to North Fork Battle Creek. The project will include a road assessment on approximately 23 miles of county roads, a training workshop to provide road crews with techniques to perform an effective implementation project along Rock Creek Road, and the preparation of CEQA documents.

Deer Creek North Yuba River Watershed Assessment and Sediment Reduction Plan (\$255,100) – The Tahoe National Forest will prepare an Action Plan to reduce sedimentation from native surface roads located within the Deer Creek and North Yuba watersheds, prepare a CEQA document, implement road upgrades within the Deer Creek watershed, and provide public outreach.

GENERAL

Remedial Action Injections at Crop Production Services, Stockton, San Joaquin County

Crop Production Services is facilitating microbial destruction of pesticides and fumigants beneath a former disposal pond by injecting a carbon substrate to the contaminated zone. On 27 November 2017, the carbon substrate 3DME®, an emulsified oil, and CRS®, a supplemental electron donor, was added to soil and groundwater beneath the former north pond. The injection which provides carbon and energy for microbes that are expected to degrade nitrate, ethylene dibromide, 1,2,3-trichloropropane, Propoxur, Endosulfan, Disulfoton, Chloroprotham and other pesticides.

PUBLIC OUTREACH

On 2 January, Anthony Toto participated in a conference call with the Kern Environmental Enforcement Network (KEEN) task force meeting to review and provide updates regarding environmental complaints lodged by various disadvantaged community groups and members. Anthony updated the group on Lamont PUD, Plan B status. Also, updated the group on a composting site in Kern County, which is applying for CUP and filed an Environmental Assessment to comply with CEQA.

On 10 January, Janis Cooke attended a stakeholder update meeting hosted by the Delta Science Program regarding the McCormack-Williamson Tract restoration and flood control project. The Delta Science Program is funding research and monitoring of the effects of the restoration on habitat and benefits to native fish species.

On 10 January, Irrigated lands Regulatory Program (ILRP) staff Gurbinder Dhaliwal and Terry Bechtel gave a presentation at the Butte County Grower's annual meeting to approximately 100 growers. Staff gave a general overview of ILRP, reporting requirements, new regulatory requirements, nitrogen management plan, and ongoing farm inspections.

On 17 January, Zaira Lopez-Narvaez attended the Tuolumne-Stanislaus Integrated Water Management Authority Watershed Advisory Committee (WAC) meeting in Sonora. The group discussed ongoing business items. The group also heard presentations regarding 303d listings and State Water Board funding from State Water Board staff.

On 18 January, Janis Cooke and Christine Joab held the Delta Nutrient Research Plan STAG meeting.

On 22 January, Christine Joab attended the American River Basin Integrated Regional Watershed Management Plan meeting. Meeting topics focused on updates of the Prop 1 IRWM Implementation Grant, an informational update on the status of their Regional Stormwater Resource Plan and a discussion of the 2018 effort to update their IRWM Plan.

On 23 January, Christine Joab attended and assisted in the facilitation of the Benthic Harmful Algal Bloom (HAB) workgroup meeting. Christine is one of the organizers for this international workgroup that is focused on discussing and sharing information on benthic cyanobacteria. During the January meeting, a presentation was provided by the Metropolitan Water District on their benthic HAB program in drinking water reservoirs.

On 25 January, Christine Joab attended the California Cyanobacteria and Harmful Algal Bloom (CCHAB) Network meeting.

On 25 January, Terry Bechtel gave a presentation to the California Association of Pest Control Advisors (CAPCA) group in Tracy. The presentation focused on the ILRP program with emphasis on groundwater and surface water impacts from agricultural practices.

On 25 January, Zaira Lopez-Narvaez attended the Yosemite-Mariposa Integrated Regional Water Management Advisory Council meeting in Mariposa. The meeting focused on member updates in which attendees provided information regarding their current efforts in the watershed. Some of the main topics discussed during the updates included workshops, projects and funding.

On 26 January, Bethany Soto and Mike Grill participated at the Tulare Basin Watershed Connections Workgroup, a group of natural resource managers working collaboratively on a holistic approach to advance watershed planning and resource management in the Tulare Basin Watershed. The meeting focused on the application process through the Bureau of Reclamation for the 2018 WaterSMART grant to obtain funding to become a formal group called the Tulare Basin Watershed Connection Collaborative. In addition, the members reviewed the draft Charter and Strategic Plan of goals and objectives for the group and its studies.

On 29 January, Zaira Lopez-Narvaez attended the Tule River Basin Integrated Regional Water Management (IRWM) Advisory Committee meeting held in Tipton. The meeting focused on members discussing the Tule River

Basin IRWM plan update as well as discussing grant opportunities, the group's project list and their financial report.

On 30 January, Rebecca Tabor attended the Sacramento Valley Water Quality Coalition's Management Advisory Committee meeting in Orland. Meeting topics focused on the State Board's Order regarding the East San Joaquin, Groundwater Quality Trend Monitoring Work Plan, Management Practice Evaluation Program Update, CV-SALTS, and the ILRP fee structure.

On 31 January, Christine Joab, Janis Cooke, and Betty Yee attended a webinar on U.S. EPA's technical guidance and new nutrient criteria development resources and nutrient web tool.

On 31 January, Walter Floyd, accompanied by Stewart Black and Marie McCrink, provided a presentation to the El Dorado County Supervisor Brian Veerkamp at a Town Hall Meeting. His presentation covered the on-going investigation activities occurring at the former Diamond Lime Plant, in Diamond Springs, which includes the Lindeman Property, Waste Connections, and Abel Trust cases. Other topics that were covered were pH measurements techniques and preliminary remediation plans.

On 31 January, Sue McConnell, Dana Kulesza, and Susan Fregien attended a field tour with the Central California Irrigation District, which is a member of the Westside San Joaquin River Watershed Coalition. The purpose of the tour was to observe how elements of CCID's irrigation system prevent discharge of sediment from their water delivery and drainage systems.

On 1 February, Lauren Smitherman, Patrick Morris, and staff from Region 2 hosted the initial Reservoir Working Group meeting with owners and operators of mercury-impaired reservoirs as part of outreach activities for the Statewide Mercury Control Program for Reservoirs. The structure and goals of the working group, including establishing technical, financial, and reservoir binning subcommittees were discussed. A technical seminar will be held late-May to discuss current methylmercury management actions in reservoirs throughout California. A follow-up meeting with the Reservoir Working Group is scheduled for early-June.

On 1 February, Guy Chetelat participated in the Central Valley Project Improvement Act restoration group meeting at DWR office in Red Bluff. The group, which includes agencies and public stakeholder representatives, discussed multiple Sacramento River projects that enhance aquatic habitat and floodplain function between Redding and Red Bluff. The projects enhance riffle and side channel habitat critical to survival of threatened salmon. The projects also reduce problematic channel erosion caused by sediment trapped behind the dams.

On 5 February, Bethany Soto participated in a conference call with the Tulare Basin Integrated Regional Planning Effort, which is a group of Integrated Regional Water Management (IRWM) practitioners from the Tulare – Kern Funding Area. The meeting focused on the status of each practitioner's IRWM grants, Tulare County now has the contract for the Disadvantaged Communities (DACs) Engagement Project, and updates were provided on groundwater sustainability agencies (GSAs).

On 7 February, Justin LaNier attended the Effectiveness Monitoring Committee at the Board of Forestry in Redding, CA. This public meeting covers proposals for research projects that seek to assess the effectiveness of CA's forest Practice Rules in implementing the Forest Practices act of 1973 as well as other laws including Porter-Cologne Water Quality Act. Projects were discussed in a public forum which was webcast. EMC members and agency representatives voted on funding recommendations for the Board of Forestry.

On 8 February, the California Indian Water Commission visited Redding and Elizabeth Betancourt met with them to review the new Statewide Cannabis Policy and General Order. Discussions included setback distances from tribal land, tribal consultation, as well as the requirements for archeological and cultural surveys for cannabis cultivation sites. The Commission indicated that they look forward to future opportunities to comment on the regulatory structure, and being involved in ensuring the preservation of cultural resources throughout the state.

On 9 February, Anthony Toto emailed the 2017 Central Valley Disadvantaged Community Water Quality Grants Program to both the chairs of the Kern Environmental Enforcement Network (KEEN) and Fresno Environmental Reporting Network (FERN) groups.

On 9 January, Anthony Toto participated in a conference call with 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 12 February, Zaira Lopez-Narvaez attended the Madera Integrated Regional Water Management (IRWM) group meeting held in Madera. The group discussed ongoing business items regarding the group's financial report, IRWM Plan Update, and Proposition 1 Disadvantage Community Involvement Funding. Members also reported updates for Sustainable Groundwater Management (SGMA) and Grant updates for round 1 implementation projects.

On 13 February 2018, Anthony Toto participated in a conference call with 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. Self-Help took samples of drinking water wells in the community of Tombstone. The Fresno Lab Contract was utilized to pay for the analyses.

On 15 February, Janis Cooke and Christine Joab attended the IEP Aquatic Vegetation Project Work Team meeting.

On 21 February, Zaira Lopez-Narvaez attended the Tuolumne-Stanislaus Integrated Water Management Authority Watershed Advisory Committee in Sonora. The meeting focused on discussing the group's current Workplan objectives to determine which items to focus on during 2018-2019. Members also brainstormed ideas and topics of interest for future presentations held during monthly meetings.

On 21 February, Bethany Soto attended the Kaweah River Basin Integrated Regional Water Management (IRWM) Plan Joint Meeting of the Group Governing Board and Stakeholder Advisory Group. The meeting focused on the status of the Prop 84 grants and projects. The group nominated and approved a Project Advisory Committee (PAC) IRWM member representative and alternate along with a PAC IRWM Disadvantaged Communities (DAC) representative and alternate for the Prop 1 DAC Involvement Program. Lastly, updates are still being made to the IRWM Plan to include Prop 1 information.

On 21 February, Christine Joab attended the California Water Quality Monitoring Collaboration Network's Swimmable California Series webinar on *Harmful Algal Blooms and Water Recreation*, which was presented by State Water Board Freshwater HAB program staff.

On 22 February, Christine Joab attended the CCHAB Network's Mitigation Subcommittee meeting. This subcommittee is developing a webpage on the CCHAB's website with useful information and a list of resources on mitigating cyanobacteria blooms in lakes.

On 22 February, Sue McConnell attended a Norcal Water Leaders Program meeting held at the Sacramento National Wildlife Refuge. The meeting was focused on the importance of water and habitat (within the Refuge and on rice lands) to the Pacific Flyway as well as the Sacramento Valley Salmon Recovery Program.

On 24 February, the Lake County Growers Association held an education forum for cannabis cultivators in Lake County. The meeting was held in Lakeport, CA, and staff from both the Redding and Rancho Cordova offices attended: Griffin Perea, Elizabeth Betancourt, Katie Gilman, Jeff Tierney, and Danielle Tiopan. One County supervisor was present for the first half of the event, wherein a presenter gave an overview of the County's current and proposed regulations for cannabis cultivation in unincorporated areas of the County. Central Valley Board staff spoke between 2:00 and 3:30 about the Statewide Cannabis General Order and Policy, transitioning from the Region 5 Order, and implementation elements of the statewide regulations.

On 6 March, Anthony Toto participated in a conference call with the Kern Environmental Enforcement Network (KEEN) task force meeting to review and provide updates regarding environmental complaints lodged by various disadvantaged community groups and members. Cindy Nelson of the California Public Utilities Commission (CPUC) presented an introduction to the CPUC.

**PERSONNEL AND ADMINISTRATION
STAFFING UPDATE**

January 1, 2018 through February 28, 2018

Promotion:

Robert Ditto – Senior Environmental Scientist
Scott Hatton – Supervising Water Resource Control Engineer

Leave of Absence:

Ashley Peters – Water Resource Control Engineer
Danielle Siebal – Water Resource Control Engineer
Marilyn Petruescu – Engineering Geologist

Retirement:

Daniel Little - Water Resource Control Engineer

Authorized Positions: 261.7

Vacant Positions: 19

Separations	New Hires
Michelle Wood – Senior Environmental Scientist Nichole Morgan – Supervising Water Resource Control Engineer Jacqueline Gonzales – Office Assistant	Danielle Tiopan – Engineering Geologist Jeffrey Tierney – Water Resource Control Engineer Marisela Pena – Engineering Geologist Margie Saldana – Office Technician Joey Sisk – Water Resource Control Engineer Nobuaki Masutsubo – Engineering Geologist Bryan Rock – Engineering Geologist Robert Nelson – Water Resource Control Engineer Micheale Easley – Engineering Geologist Michael Nilsen – Water Resource Control Engineer Ryan Cornwall – Water Resource Control Engineer Kelly Hickcox – Engineering Geologist Michael Crook – Environmental Scientist Shane Price – Environmental Scientist

Temporary Help Positions

Separations	New Hires
Travis Marshall – Eng/Arch Student Assistant Sarena Keosavang – Scientific Aid Kris Sisk – Scientific Aid	Destinee McGuire – Scientific Aid Phillip Carter – Scientific Aid Delany Broome – Scientific Aid Kira Smith – Scientific Aid William Ragan – Scientific Aid Noah Henry – Scientific Aid

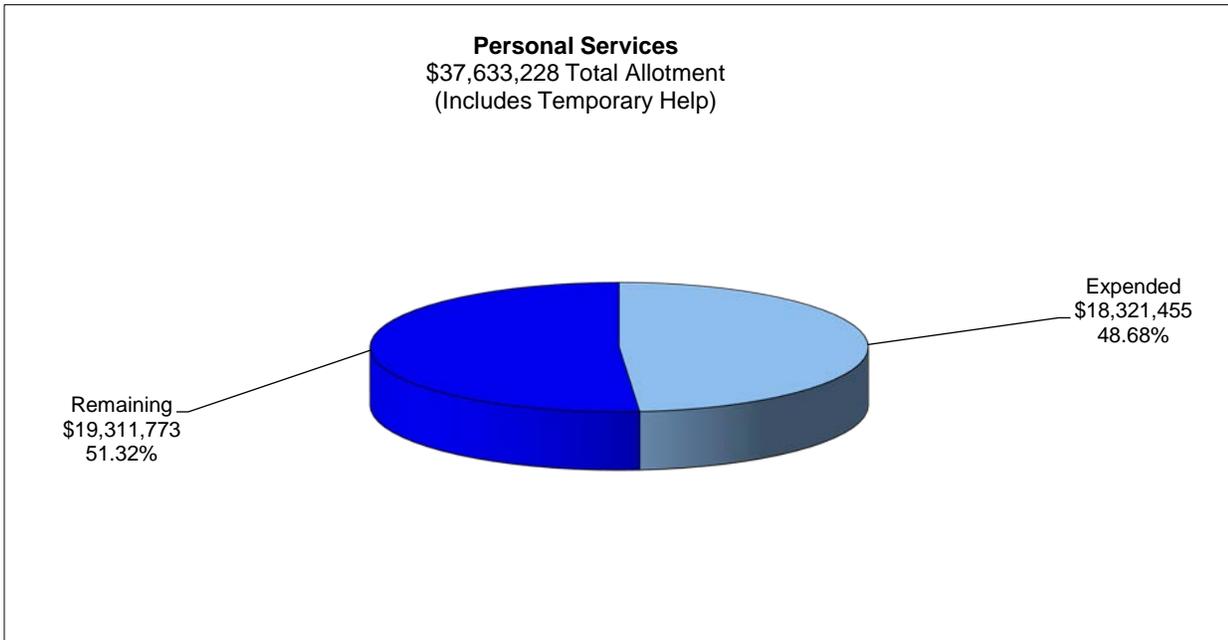
TRAINING UPDATE
January 1, 2018 through February 28, 2018

Class Title	Number of Attendees
Defensive Drivers Training	13
HAZWOPER Training -8 Hours	5
CA Storm Water Quality Assoc. 2018 First Quarterly Meeting	5
Introductory CEQA for SWRCB Staff	5
Advanced CEQA for Water Quality Control Planning	3
NPDES Permit Writers' Course	2
Emotional Intelligence	2
Disposal of Non-Designated Waste to Land	6
Maintaining a Respectful Work Environment	1
Contract Manager Training	12
Basic Supervision for State Supervisors	2
Cybersecurity Awareness	1
Delegating for Results	1
Strategies for Leading the Human Side of Change	1
P.E. Civil	5
Building High Performance Teams	2
Field Safety Training	1
So You Want to be a Supervisor	1
Leadership for the Government Executive	1

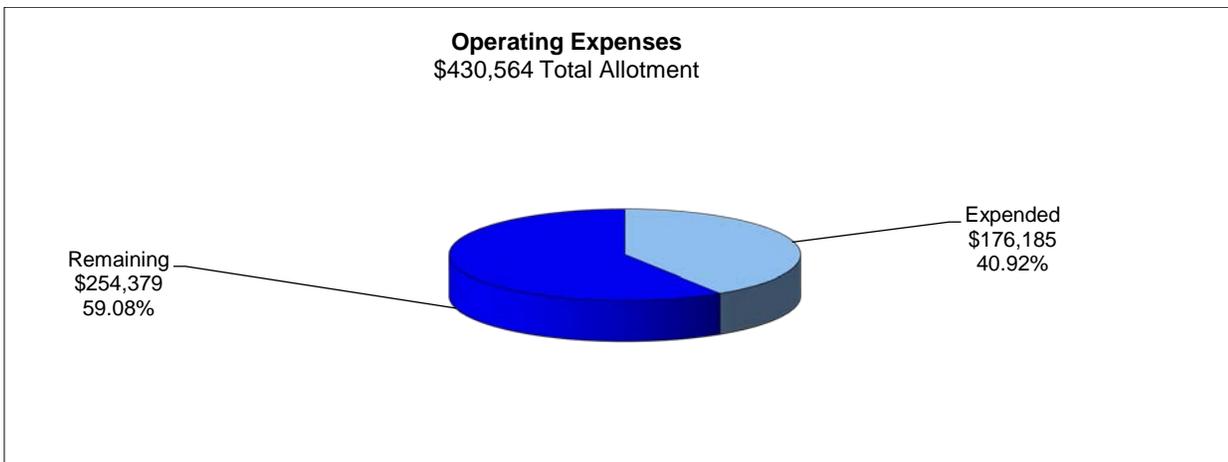
FISCAL UPDATE
Through December 31, 2017
(Approximately 50% of our budget should be expended)

Personal Services:

The information below represents the budget for the 2017-18 Fiscal Year. Our Personal Services budget supports 261.7 PYs. The Regional Board has received 10 new permanent positions for the Cannabis Cultivation Program and 3 new limited term positions for the Oil Fields Program.

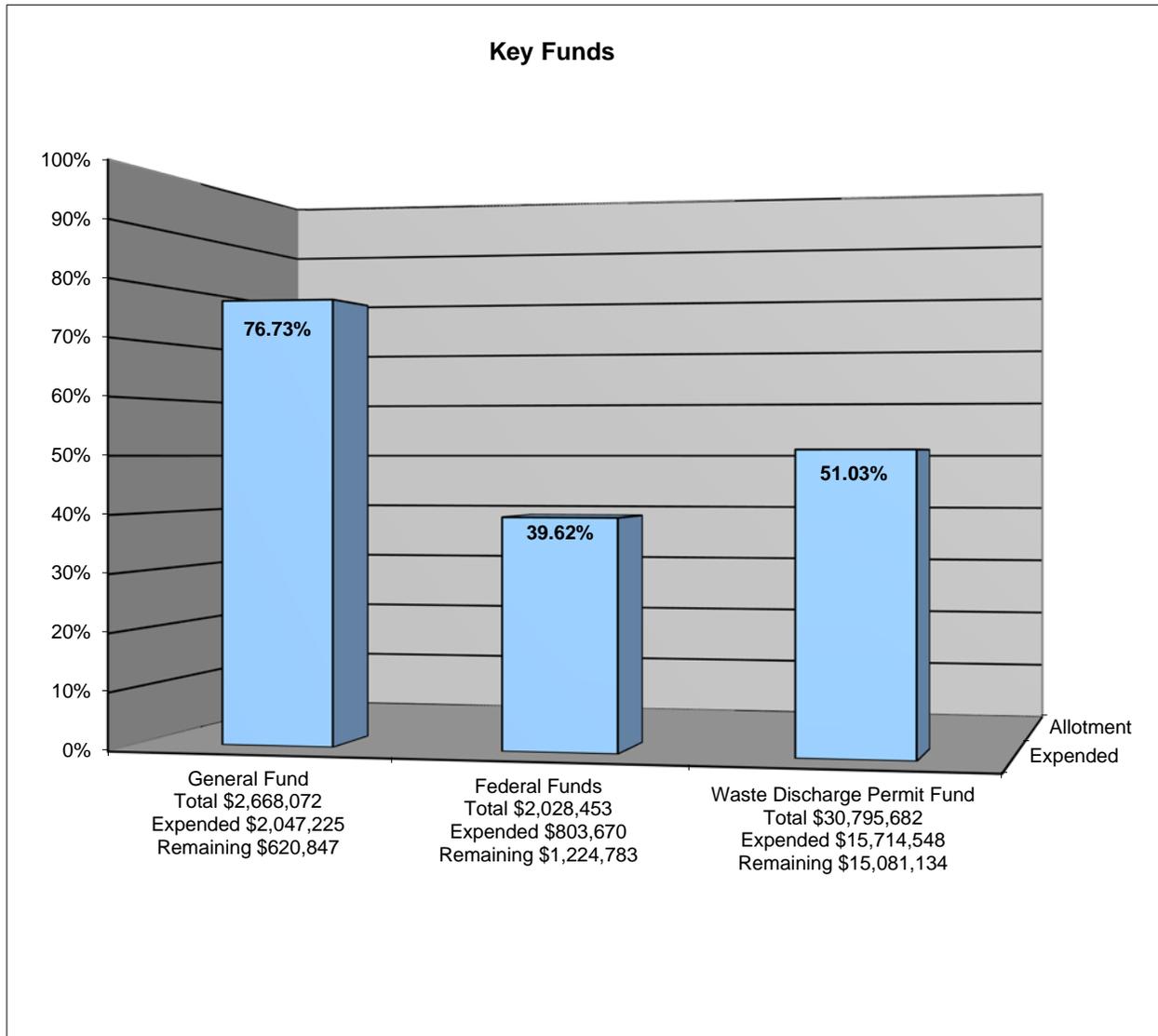


Operating Expenses:



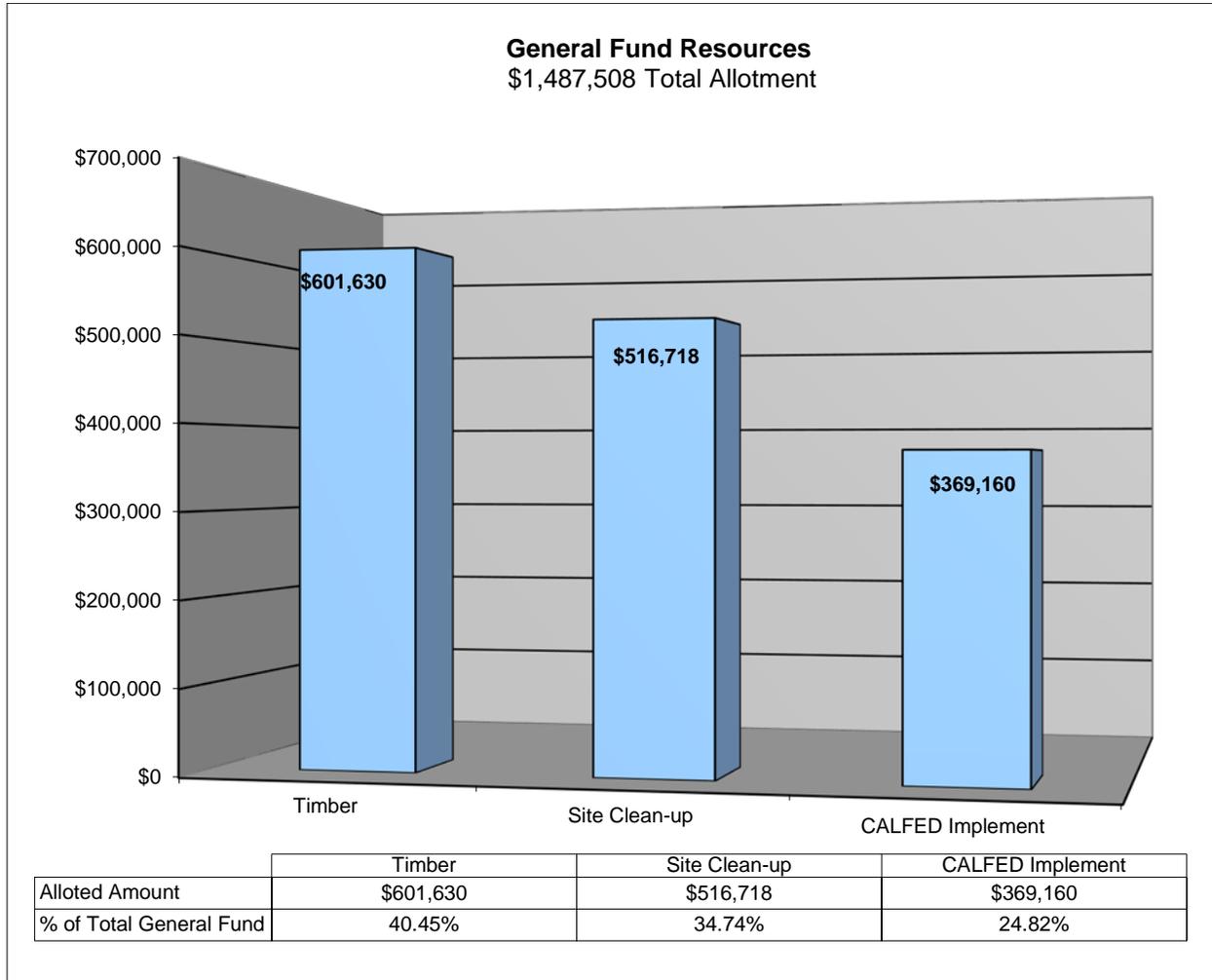
Key Funds:

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:

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

OPERATIONAL SUPPORT SERVICES

CONTRACT NUMBER	CONTRACTOR NAME	DESCRIPTION	START DATE	END DATE	AMOUNT
16-029-150	Courtney Aviation	Airplane inspection services - Rancho Office	04/18/17	03/31/19	\$ 40,000
16-018-150	Monterey Bay Analytical	Lab analysis -- Rancho Office	07/20/16	06/30/18	\$ 160,000
17-150-001	Class Act Alliance	Professional sign language interpretation	07/01/17	06/30/18	\$ 1,160
TBD	California Reporting	Electronic Reporting Tool and Transcription Services	TBD	06/30/19	\$ 9,999
15-072-150 - Am.1	California Reporting	Court reporter services in Rancho Cordova	07/01/15	06/30/19	\$ 36,000
17-034-150	TBD	Helicopter inspection services – Redding		09/30/20	\$ 60,000
WATER QUALITY STUDY/PLANNING					
14-043-150-2	Department of Water Resources	Water quality trends	11/01/14	03/31/18	\$ 150,207
15-035-150, Am. 1	Regents of UC Davis	Large scale analysis of annual report data	08/14/15	03/31/18	\$ 150,000
15-047-150	San Jose State Foundation	Support for Statewide Mercury Control Program	01/06/16	03/31/18	\$ 200,000
15-084-150	USGS	Sampling validation	04/01/16	03/31/18	\$ 19,968
16-048-150	UC Santa Cruz	Evaluation of temperature criteria to recommend methodology for deriving temperature criteria.	03/13/17	03/31/19	\$ 396,250
16-074-150	Lawrence Berkeley National Lab	Produce testing	02/27/17	06/30/18	\$ 250,000
16-074-150, Am. 1	Lawrence Berkeley National Lab	Plant, soil and water testing	TBD	6/30/19	\$183,511
17-150-022	DWR	Operation and maintenance in-stream water monitoring stations (North and South Fork Battle Creek)	TBD	06/30/20	\$ 180,000
17-022-150	Department of Water Resources	Ongoing operation and maintenance - SWAMP	TBD	06/30/20	\$ 180,000
TBD	Delta Conservancy	Administrative and program management of the Delta Monitoring Exposure Reduction Program (MERP)	TBD	06/30/20	\$ 154,191
17-080-150	UC Davis	Interpretation of Soil Chemistry	TBD	03/31/20	\$199,987

17-065-150	USGS	Non-point source aquatic passive sampling study plan (Phase 2)	TBD	24 months	190,000
17-081-150	Aquatic Science Center	Development of a computer-based biogeochemical model for the Delta and Suisun Bay to quantitatively explore nutrient loads and cycling and characterize ecosystem response under current and future scenarios.	TBD	3/31/20	\$400,000
TBD	Dept. of Fish and Wildlife	Tech assistance to design and implement a monitoring program to assess reference conditions in non-perennial streams	TBD	6/30/20	\$154,055
17-069-150	CSU Chico	Tech assistance to design and implement a monitoring program to assess reference conditions in non-perennial streams	TBD	06/30/20	\$ 135,500

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.

JUNE 2018 BOARD MEETING

WASTE DISCHARGE REQUIREMENTS (WDR) PROGRAM – DISPOSAL TO LAND

- Visalia WWTF (Revised WDRs)
- Lion Raisins (Revised WDRs)
- Langer Farms (New WDRs)
- Pacific Coast Producers (revised WDRs)
- SPI Oroville Cedar Mill (Revised WDRs)
- Bridge Bay Marina & Resort (Revised WDRs)
- North State Rendering (Revised WDRs)
- Ironhouse SD (Revised WDRs)
- CCWD La Contenta WWTF (Revised WDRs)
- Synagro – Clay Station (Revised WDRs)

LOCAL AREA MANAGEMENT PROGRAM APPROVALS

- Yuba County

LAND DISPOSAL PROGRAM – CHAPTER 15/TITLE 27

- City of Sac, Cannon and Scallon Properties (New WDRs)
- West Central Landfill (Amended WDRs)
- Union Mine Landfill (Revised WDRs)
- Winters Landfill (Revised WDRs)
- Butts Canyon Rd PG&E Geothermal (New WDRs)
- Southeast Regional LF (Revised WDRs)

OIL FIELD PROGRAM

- Sherwood Hills LLC and E&B Natural Resources (New WDRs)

NPDES PERMITS

MAY/JUNE 2018 BOARD MEETING

- CCWD Copper Cove WWTP Renewal
- CalMat Sanger Sand and Gravel Plant Rescission
- City of Redding, Stillwater WWTF Renewal
- City of Red Bluff WWRP Renewal
- Bully Hill & Rising Star Mines Rescission
- SFWPA Miners Ranch WTP Rescission
- City of Shasta Lake WTP Rescission
- Kinder Morgan Fox Rd GWTS Rescission
- City of Atwater, Regional WWTF Rescission
- County of Sacramento, Kiefer GWTS Rescission
- El Dorado Irrigation District, El Dorado Hills WWTP Rescission
- City of Jackson WWTP Renewal
- City of Dunsmuir WWTP Renewal

WASTE DISCHARGE REQUIREMENTS (WDR) PROGRAM – DISPOSAL TO LAND

- Corcoran WWTF (Revised WDRs)
- Treehouse Almonds (Revised WDRs)
- City of Patterson WWTF (Revised WDRs)
- Lobue Packing (Revised WDRs)

LOCAL AREA MANAGEMENT PROGRAM APPROVALS

- Kings County

LAND DISPOSAL PROGRAM – CHAPTER 15/TITLE 27

- City of Sac, Cannon and Scallon Properties (New WDRs)
- West Central Landfill (Amended WDRs)

AUGUST 2018 BOARD MEETING

- Yuba City WWTF Renewal
- City of Lodi White Slough WPCF Renewal
- CCWD Forest Meadows WWTP Renewal
- Yosemite National Park, Wawona WWTF Renewal

WASTE DISCHARGE REQUIREMENTS (WDR) PROGRAM – DISPOSAL TO LAND

- Corcoran WWTF (Revised WDRs)
- Treehouse Almonds (Revised WDRs)
- Ironhouse Sanitation District, Contra Costa County (Revised WDRs)

OCTOBER 2018 BOARD MEETING

WASTE DISCHARGE REQUIREMENTS (WDR) PROGRAM – DISPOSAL TO LAND

- City of Fresno and Clovis WWTF (Revised WDRs)
- Yocha Dee Hee – Cache Creek Golf Course (Revised WDRs)
- Liberty Packing (Revised WDRs)
- Farmersville WWTF (Revised WDRs)

NPDES PERMITS

- San Andreas Sanitary District WWTP Renewal
- Southern Cal Edison Balsam Hydro Project Renewal
- City of Davis WWTP Renewal

PENDING ACTIONS, BUT NOT YET SCHEDULED FOR A BOARD MEETING

- City of Lodi White Slough WPCF Rescission
- CCWD Forest Meadows WWTP Renewal
- SPI Anderson Rescission
- Malaga WWTF Rescission
- Portola WWTP Renewal
- City of Visalia WWTF Rescission
- Davis WWTP Renewal
- Sequoia/Kings Canyon National Parks Rotenone Application (New Permit)
- Delleker WWTP Renewal
- Ironhouse Sanitary District WWTF Renewal
- SPX Marley Cooling Tower GWTS Renewal
- City of Brentwood WWTP Renewal
- Yosemite National Park, Wawona WWTF Rescission
- Collins Pine Chester Sawmill Renewal

- Forbestown WTP Renewal
- Paradise WTP Renewal
- Hangtown WWTP Rescission
- Lincoln WWTP Renewal
- Yuba City WWTP Renewal
- City of Roseville, Dry Creek WWTP Rescission
- City of Roseville, Pleasant Grove WWTP Rescission
- Deer Creek WWTP Rescission
- Williams WWTP Rescission

WASTE DISCHARGE REQUIREMENTS (WDR) PROGRAM - DISPOSAL TO LAND

- Barrel Ten Winery (Revised WDRs)
- CA Dept. of Corrections, Mule Creek State Prison (Revised WDRs)
- City of Sutter Creek (Revised WDRs)
- City of Galt (Revised WDRs)
- City of Huron (WWTF)
- City of Lone (Revised WDRs)
- City of Lodi (Revised WDRs)
- City of Lemoore WWTF (Revised WDRs)
- City of Lone WWTF (Amended WDRs)
- City of Lemoore WWTF (Revised WDRs)
- City of Manteca WWTF (Revised WDRs)
- City of Modesto WWTF (Revised WDRs)
- City of Richgrove WWTF (Revised WDRs)
- City of Tuolumne WWTF (Revised WDRs)
- Dairy General Order (Revised WDRs)
- E&J Gallo Madera (Revised WDRs)
- E&J Gallo Livingston (Revised WDRs)
- Former Spreckels Mendota Facility (New WDRs)
- Golden Feather School District, Spring Valley School (Revised WDRs)
- Maxwell PUD (Revised WDRs)
- Mokelumne Rim Vineyards (Revised WDRs)
- Morningstar Packing Company (Revised WDRs)
- Olson Meats (Revised WDRs)
- Sacramento Rendering (Revised WDRs)
- Sun Maid Raisins Orange Cove (Revised WDRs)
- Tomatek and City of Firebaugh (Revised WDRs)
- UC Davis CABA, Yolo County (Revised WDRs)
- Tasteful Selections (Revised WDRs)
- Wonderful Pistachios (Revised WDRs)

LAND DISPOSAL PROGRAM CHAPTER 15/TITLE 27

- Eastlake Landfill, Lake County (Revised WDRs)
- Highway 59 Landfill, Merced County (Revised WDRs)

LOCAL AREA MANAGEMENT PROGRAM APPROVALS

- Lake County
- Sierra County

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-15	Central Valley Pyrethroids Basin Plan Amendment	2018-03-07 The Basin Plan Amendment was adopted by the Central Valley Water Board on 8 June 2017. The Amendment still needs State Water Board, OAL and USEPA approval before becoming fully effective. Anticipate approval hearing by State Water Board in May 2018.	Regional	R5
A-15	Central Valley Diuron Basin Plan Amendment	2018-03-07 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 being prepared for the 2018 listing cycle.	Regional	R5
A-16	Revisions to General Order for Poultry Facilities	2018-03-02 Order No. R5-2016-0087 was adopted on 6 December 2016. A General Order update was presented to the Regional Board in August 2017. Revisions to the General Order for Poultry Facilities are anticipated to be presented to the Regional Board for consideration in 2018.	Regional	R5
*A-16	Phase I update of the Bay-Delta Plan:- San Joaquin River flows and Southern Delta Salinity.	2018-02-14 The original Draft Substitute Environmental Document (SED) was released in December 2012 for public comment with a hearing to receive comments on the SED and written comments on the SED in March of 2013. A draft revised SED was then prepared and released for public comment on September 15, 2016. Several hearings and technical meetings were held on the draft revised SED in Sacramento, Stockton, Merced, and Modesto from November 2016 through January 2017. Written comments were due by March 17, 2017. Staff are in the process of preparing written responses to comments. Staff anticipates that the final SED (including responses to public comments) and Plan Amendment will be released for public review in the Spring 2018 and will be brought to the Board for consideration in Summer 2018.	Statewide	SB
A-17	Surface Water Augmentation with Recycled Water Regulations	2018-01-26 Division of Drinking Water completed the 15-day comment period on 12/18/17. There are no additional substantive changes to the draft regulations. Staff is preparing for March Board adoption and submittal of the proposed regulations package for CalEPA approval	Statewide	SB
A-17	Revised Total Coliform Rule	2018-01-26 Division of Drinking Water completed the 15-day comment period on 12/18/17. There are no additional substantive changes to the draft regulations. Staff is preparing for March Board adoption and submittal of the proposed regulations package for CalEPA approval	Statewide	SB

Key	Item	Status	Statewide or Regional Project	Org. Lead
A-17	Bacteria Standards for Ocean and Inland Surface Waters	2018-03-07 The State Water Board is developing proposed statewide bacteria water quality objectives and implementation options for the control of bacteria to protect human health in waters designated for water contact recreation (REC-1). This project also includes a general water quality standards variance policy applicable to all pollutants. The proposed bacteria water quality objectives and applicable implementation options if adopted will be included within the Water Quality Control Plan for Inland Surface Water, Enclosed Bays, and Estuaries of California and the Water Quality Control Plan for Ocean Water of California. Staff released the draft documents for public comment on June 30, 2017. A Staff Workshop was held on July 10, 2017 and Public Hearing was held on August 1, 2017. Revised provisions and responses to comments were released in January 2018. Staff is receiving information about state-specific epidemiological studies that may be relevant to the choice of indicators proposed in the Ocean Plan Amendment. Staff are reviewing this information to ensure ocean beaches are adequately protected. State Board Web site: http://www.waterboards.ca.gov/bacterialobjectives/	Statewide	SB
A-17	Statewide Aggregate General Order	2017-12-05 DWQ is preparing a statewide general order for aggregate processing facilities that discharge to land.	Statewide	SB
*A-17	Phase II update of the Bay-Delta Plan: Comprehensive Review	2018-02-07 The working draft Scientific Basis Report (Science Report) and a beta version of the Sacramento Water Allocations Model (SacWAM) for Phase II were released in the fall of 2017 with public meetings on both, including a training on SacWAM. The Science Report was subject to public comment and reviewed by the Delta Independent Science Board, and SacWAM was released for public review and was reviewed by an expert panel convened by the Delta Science Program. Following the reviews and public comments, the working draft Science Report and SacWAM were revised as necessary. The final Science Report was then submitted for independent peer review pursuant to the Public Health and Safety Code which found that the Science Report is based on sound science. The final Science Report and response to peer review comments, the updated version of SacWAM and the response to peer review comments, and additional information regarding the Phase II process and opportunities for input were posted on the State Water Board's website on October 4, 2017. Staff anticipates release of a draft Staff Report/SED identifying potential environmental, economic and other effects of potential Phase II modifications to the Bay-Delta Plan in spring of 2018 for public comment.	Statewide	SB
A-17	Industrial General Storm Water Permit Amendment for TMDL Implementation	2018-03-07 The State Water Board held a Public Hearing on January 9, 2018 to receive comments on the proposed Industrial General Permit Amendment. Public comments were due on February 14, 2018 at noon. The Amendment proposes to: 1) implement TMDLs, 2) update monitoring requirements per the new federal Sufficiently Sensitive Methods Rule, and 3) add statewide compliance options to incentivize storm water capture and regional collaboration, as appropriate. State Water Board consideration of adoption is anticipated in 2018. More detailed information regarding the can be found at the program webpage: www.waterboards.ca.gov/water_issues/programs/stormwater/industrial.shtml	Statewide	SB

Key	Item	Status	Statewide or Regional Project	Org. Lead
A-17	Mercury TMDL and Implementation Plan (Statewide Reservoirs)	2018-03-05 Staff from Regions 2 and 5 and State Water Board are developing a TMDL and implementation plan to address fish mercury(Hg) impairments in about 130 reservoirs statewide. Staff prepared the scientific and technical analysis and regulatory provisions for the implementation plan. The scientific peer review version of the staff report is posted on the project website. Staff is forming a reservoir owner working group to develop coordinated pilot tests.	Statewide	R5
A-17	Sediment Quality Objectives (SQOs) for Enclosed Bays and Estuaries: Phase II*	2018-03-07 Water Board staff is developing a methodology (for inclusion in the Water Quality Control Plan for Inland Surface Waters and Enclosed Bays and Estuaries) 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. Several groups and committees, including the SQO Advisory Committee, the Agency Coordination Committee, and the Harbor Technical Work Group, are collaborating on studies that will assist in the development, testing, and implementation of Phase II SQOs. The case study and test drive were completed in August 2017 and draft documents were released on October 24, 2017. The public comment period closed on December 14, 2017 and received a total of 11 comment letters. The Board held a hearing to receive public comments on December 5, 2017, and board consideration of adoption is anticipated for June 5, 2018.	Statewide	SB
*A-18	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)	2018-03-07 State Water Board staff is developing proposed Procedures (for Inclusion in the Water Quality Control Plan for Inland Surface Waters and Enclosed Bays and Estuaries)for Discharges of Dredged or Fill Materials to Waters of the State (Procedures). The draft Procedures were released for public comments on July 21, 2017, and the Board held a hearing on September 6, 2017. The public comment period closed on September 18, 2016. Staff is reviewing comments for considering proposed responses and revisions to the Procedures. Revised procedures for board consideration is anticipated in Summer 2018.	Statewide	SB
A-18	Approval of the CWA Section 303(d) List portion of the 2014 and 2016 California Integrated Report	2018-02-12 Clean Water Act section 303(d) List portion of the 2014 and 2016 California Integrated Report (303(d) List) is a combination of the 303(d) Lists approved by the San Francisco Bay, Central Coast, Central Valley, Santa Ana, and San Diego Regional Water Boards. The 303(d) List portion of the 2014 and 2016 Integrated Report along with the recommendations for the Los Angeles region was released for public comment on June 9, 2017. The State Water Board adopted the Los Angeles Water Board and statewide 303(d) List on October 3, 2017. The 303(d) List was submitted to the U.S. EPA for approval on February 5, 2018.	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	2018-03-01 The State Water Board adopted 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, became effective on April 1, 2016, and expired on January 1, 2018. 45-day public comment period closed November 30, 2017, with APA public hearing held November 27, 2017. Additional comment period provided from January 3, 2018 through February 2, 2018 for changes to text of proposed regulations and addition of documents relied upon	Statewide	SB
A-18	Statewide General Waste Discharge Requirements Order for Wineries	2018-01-09 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-18	Revisions to General Order for Poultry Facilities	2018-03-02 Order No. R5-2016-0087 was adopted on 6 December 2016. A General Order update was presented to the Regional Board in August 2017. Revisions to the General Order for Poultry Facilities are anticipated to be presented to the Regional Board for consideration in 2018.	Regional	R5
A-18	Revised UST Regulations	2018-02-28 State Water Resources Control Board staff is updating the underground storage tank (UST) regulations to be at least as stringent as the revised 2015 Federal UST regulations contained in 40 Code of Federal Regulations. The 45-day public comment period for the proposed regulations ended on January 2, 2018, and no public hearing was requested. State Water Board staff is currently reviewing the comments received and preparing responses for the rulemaking record. Based on the comments received and necessary revisions to the proposed regulations or the Initial Statement of Reasons, an additional comment period (either 15-day or 45-day) may be necessary. The State Water Board consideration of adoption of the proposed amendment is anticipated May 2018. The proposed amendments will then become effective October 1, 2018.	Statewide	SB
A-18	Environmental Laboratory Accreditation Regulations	2017-12-14 Division of Drinking Water staff will draft new regulations governing the accreditation of laboratories regulated by the Environmental Laboratory Accreditation Program (ELAP). The draft regulations will ensure standards for laboratory compliance is auditable and enforceable. The draft regulations are in development and staff held staff workshops on the draft regulations Summer 2017 and will initiate the formal rulemaking process late 2018. Staff propose presenting the draft regulations to the State Board in early 2019 for adoption.	Statewide	SB

Key	Item	Status	Statewide or Regional Project	Org. Lead
A-18	Proposed Suction Dredge Mining Activity	2018-01-26 Senate Bill 637 amended California Fish and Game Code and added a section to the California Water 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. State Water Board staff, together with Department of Fish and Wildlife staff, conducted five public outreach workshops throughout the State in January and February 2017. Staff has evaluated the information gathered during the workshops and will determine the appropriate proposed State Water Board action for suction dredge mining activities in Spring 2018.	Statewide	SB
A-18	Toxicity Amendments to the Inland Surface Waters, Enclosed Bays, and Estuaries Plan	2018-01-09 State Water Resources Board staff are preparing provisions for toxicity, which if adopted by the Board will be included in the Water Quality Control Plan for Inland Surface Waters, Enclosed Bays and Estuaries of California. If adopted, the proposed Provisions would establish numeric acute and chronic objectives for aquatic toxicity; establish effluent limits for non-storm water NPDES dischargers; incorporate the United States Environmental Protection Agency's (U.S. EPA's) Test of Significant Toxicity (TST) statistical approach for data analysis; and establish monitoring requirements for wastewater discharges to inland surface waters, enclosed bays, and estuaries in California. Staff held outreach meetings in April 2017 to receive feedback from stakeholders and interested parties on the proposed Provisions. Public release of the draft staff report and proposed amendment is anticipated for April 2018 with tentative staff workshops in April or May 2018 and a board hearing in June 2018. The proposed amendment is anticipated to be presented to the Board for consideration in November 2018.	Statewide	SB
A-18	Nonpoint Source (NPS) Implementation and Enforcement Policy Amendments	2018-03-07 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 Board regulation of nonpoint source wastewater discharges.	Statewide	SB
A-18	Approval of the CWA Section 303(d) List portion of the 2014 and 2016 California Integrated Report	2018-02-12 Clean Water Act section 303(d) List portion of the 2014 and 2016 California Integrated Report (303(d) List) is a combination of the 303(d) Lists approved by the San Francisco Bay, Central Coast, Central Valley, Santa Ana, and San Diego Regional Water Boards. The 303(d) List portion of the 2014 and 2016 Integrated Report along with the recommendations for the Los Angeles region was released for public comment on June 9, 2017. The State Water Board adopted the Los Angeles Water Board and statewide 303(d) List on October 3, 2017. The 303(d) List was submitted to the U.S. EPA for approval on February 5, 2018.		

Key	Item	Status	Statewide or Regional Project	Org. Lead
A-18	Statewide Urban Pesticides Reduction	<p>2018-03-07 The State Water Board is developing a statewide multi-agency Strategy to Minimize Urban Pesticides that will be proposed as amendments to both the Inland Surface Waters, Enclosed Bays, and Estuaries Plan, and to the Ocean Plan. An advisory committee provided information and materials for development of the following amendment components(1) an inter-agency coordination framework, (2) a regional monitoring framework, and (3) suggested permit language for MS4 permittees. Staff anticipates public release of the proposed amendments in Late 2018.</p>	Statewide	SB
A-19	Biostimulatory & Biological integrity Project	<p>2018-03-13 The State Water Board is proposing to adopt a statewide water quality objective for biostimulatory substances along with a program of implementation as an amendment to the Water Quality Control Plan for Inland Surface Water, Enclosed Bays and Estuaries of California. This project will also include a water quality control policy to establish and implement biological condition assessment methods, scoring tools, and targets aimed at protecting the biological integrity in wadeable streams. Some of the technical work being done by SCCWRP to support this project is nearing completion (the Biological Condition Gradient Model and Algal Stream Condition Index). Stakeholders met at the end of July to review and discuss these products. A Regulatory Advisory Group meeting was held on 8/31 to discuss issues raised by stakeholder and to discuss policy options so that staff can begin documenting options and preparing draft provisions and staff reports. Staff have been working with members of the technical team to discuss how multiple indicators will be interpreted for objective compliance as well as drafting up potential policy provisions for management to review. Staff anticipates public release of a draft in late 2018.</p>	Statewide	SB
A	Amendment to the Recycled Water Policy	<p>2018-03-13 The State Water Board adopted a resolution on December 6, 2016 directing staff to amend the Recycled Water Policy and re-convene the Science Advisory Panel for Constituents of Emerging Concern. Staff expects to release a draft of the proposed amendment and Staff Report with Substitute Environmental Documentation for public comment in April 2018. State Water Board staff conducted initial targeted stakeholder listening sessions in March and November 2017. State Water Board staff had two meetings in December 2017 to consult with any person or organization concerned with the environmental effects of the proposed amendment (CCR §15083). Staff also conducted two staff workshops in January 2018 to discuss specific details of the proposed amendment. Lastly, the Science Advisory Panel for CECs in Recycled Water presented their findings and recommendations at a public meeting on December 15, 2017. The Panel released their draft report for a 30-day public comment period January 31, 2018 and is considering comments and finalizing the report, which is scheduled for release at the end of March. The Public Notice is available here: https://www.waterboards.ca.gov/board_info/calendar/docs/notice_ceqa_scoping_recycled_water.pdf For more information can be found on the program page here: https://www.waterboards.ca.gov/water_issues/programs/water_recycling_policy/</p>	Statewide	SB

Key	Item	Status	Statewide or Regional Project	Org. Lead
C	Petition Order for Central Valley Regional Board's Eastern San Joaquin Agricultural Order	2018-02-12 On February 7, 2018, the State Water Board adopted an order for 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. A draft of the proposed order was released for comment on October 10, 2017. A Board workshop was held at the Cal/EPA Building in Sacramento on December 6, 2017. Additional Board workshops were held in Fresno on November 27, 2017 and in Redding on November 30, 2017 to provide an opportunity for petition staff to ask detailed questions. The deadline for written public comments was December 22, 2017.	Statewide	SB
C	Approval of the CWA Section 303(d) List portion of the 2018 California Integrated Report	2018-03-07 The 2018 California Integrated Report will consist of a complete assessment of data and information for the North Coast, Lahontan, and Colorado River regions. The other six regional water boards will have the opportunity to include high priority listings and delistings off-cycle. The data solicitation period ended on May 3, 2017. State and Regional Water Board staff will be assessing the data with a tentative State Water Board approval scheduled for May of 2019.	Statewide	SB
C	Onsite Wastewater Treatment Systems (OWTS) Policy Implementation	2018-03-07 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, 21 LAMPs have been approved by Regional Boards. State Water Board staff have begun the OWTS Policy conditional waiver update process and plan to present this item for the Board's considerations at the April 17, 2018 Board Meeting. (The conditional waiver expires on May 13, 2018.) In addition to renewing the conditional waiver, the list of impaired water bodies in OWTS Policy Attachment 2 has been amended. The amendments were developed with the TMDL program. A notice of public hearing and lyrics list notice will be transmitted the week of January 29, 2019. The public comment period will extend from February 5 to April 6, 2018. The item will be scheduled for the April 17, 2018 State Water Board hearing.	Statewide	SB
A	SB 83, Section 45 - Produced Water Pond Report	2018-02-07 The State Water Board posted on its website a status report on the regulation of oil field produced water ponds within each region. Link to report: https://www.waterboards.ca.gov/water_issues/programs/groundwater/sb4/oil_field_produced/produced_water_ponds/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

Key	Item	Status	Statewide or Regional Project	Org. Lead
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	2018-03-07 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. Board accepted receipt of SNMP on 9 March 2017 and directed staff to begin Basin Plan Amendment. Staff are currently developing basin plan amendment language with stakeholder input. Staff report scheduled for release on 19 March 2018. Hearing noticed for 31 May/1 June 2018.	Regional	R5
A	Revision of General Order for Existing Dairies	2018-03-01 Revision of Revised General Order R5-2013-0122 to include requirements for composting consistent with the statewide composting General Order WQ 2015-0121-DWQ and requirements for land application areas consistent with the Irrigated Lands Regulatory Program requirements. Staff is drafting revisions and anticipates Regional Board consideration of the revised General Order in mid-2018.	Regional	R5
A	Water Quality Objectives for Ammonia	2018-03-01 Scoping meetings held on 15, 16 and 22 March in Rancho Cordova, Fresno and Redding, respectively. Agency meeting held 24 May. Toxicity testing in progress.	Regional	R5
A	New winery waste guidelines	2017-11-27 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
A	Development of permit for Federal Non-Point Source activities on Forest Lands	2018-03-01 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, R5 and R6 are collaborating on this project. 6 initial public outreach meetings were held from October through early December 2017. Project information can be found here: http://www.waterboards.ca.gov/lahtontan/water_issues/programs/nps/federal_lands/	Regional	R5

Key	Item	Status	Statewide or Regional Project	Org. Lead
A	Delta Regional Monitoring Program- RMP	2018-03-05 The Delta RMP work plan and budget for FY17/18 includes monitoring for mercury in water and fish at multiple sites and an initial assessment of nutrient spatial variability across the Delta. The TAC is currently developing monitoring plans for mercury, nutrients, and pesticides/toxicity for next FY.	Statewide	SB
A	Statewide Storm Water Construction General Permit Reissuance	2018-03-01 State Water Board staff is developing the draft permit language for the reissuance of the Statewide Storm Water Construction General Permit (also referred to as the CGP). The proposed CGP reissuance will include implementation of Total Maximum Daily Loads and revisions to update the CGP requirements per information collected during the term of the existing permit. Information on the development of the proposed permit reissuance, including stakeholder outreach information, is posted 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	Once-Through Cooling [OTC] Policy- Implementation, interim mitigation payments	2018-02-13 The Statewide Policy on the Use of Coastal and Estuarine Waters for Power Plant Cooling, also known as the Once-Through Cooling or OTC Policy, regulates the use of seawater for cooling purposes at nineteen power plants in California. Final determinations and invoices covering once-through cooling from October 2015 through September 2016 were released in December 2017 through February 2018. Owners or operators of the powers plants are providing the payments to the Ocean Protection Council and the California Coastal Conservancy.	Statewide	SB
A	Implement Mercury TMDL/Control Program in Cache Creek Watershed - Sacramento River and San Joaquin River Basin Plan	2018-03-05 Mining wastes at 6 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	Chlorine Amendment	2017-02-28 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

Key	Item	Status	Statewide or Regional Project	Org. Lead
P	Antidegradation Policy	2018-02-05 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
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	2018-03-07 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 accepted by State Board staff. Staff gathering additional information to respond to State Board and USEPA staff comments. Expected completion date 2018.	Regional	R5
P	New Manual of Good Practice for Land Application of Food Processing/Rinse Water	2018-03-07 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. Salt and Nitrate Control Program to be considered for adoption 31 May/1 June 2018.	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 November 2017 through January 2018

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	
November 2017	1	0	5	6	3	0	1	4	9	1	104	114	124
December 2017	0	0	11	11	0	0	3	3	5	1	141	147	161
January 2018	1	1	7	9	2	1	1	4	18	0	113	131	144
Total	2	1	23	26	5	1	5	11	32	2	358	392	429

Spill Cause	Count of Spills	%
Root intrusion	227	52.9%
Debris-General	74	17.2%
Grease Deposition (FOG)	36	8.4%
Pipe Structural Problem/Failure	18	4.2%
Debris-Rags	16	3.7%
Other	14	3.3%
Debris from Lateral	11	2.6%
Vandalism	9	2.1%
Operator error	7	1.6%
Debris-Wipes/Non-Dispersables	6	1.4%
Debris from Construction	5	1.2%
Air Relief Valve (ARV)/Blow-Off Valve (BOV) Failure	2	0.5%
Damage by others not related to CS Const/Maint.	2	0.5%
CS Maintenance Caused Spill/Damage	1	0.2%
Pipe Structural Problem/Failure - Installation	1	0.2%
Grand Total	429	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 - November 2017 through January 2018

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
SR	Red Bluff CS	5SSO10845	841796	Certified	Category 1	48 East Ave	Tehama	Yes	43,500	34,296	11/24/2017	Grease Deposition (FOG)
SS	City Of Antioch CS	5SSO10890	843812	Certified	Category 1	1467 Mellissa Circle Antioch Ca	Contra Costa	Yes	8,228	8,023	11/15/2017	Root Intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	843758	Certified	Category 1	204919	Sacramento	Yes	6,187	5,887	1/9/2018	Other (specify below)
SS	Applegate, Zone 24 CS	5SSO10866	844519	Certified	Category 1	Applegate Road	Placer	Yes	4,810	4,439	1/24/2018	Pipe Structural Problem/Failure
SS	Sacramento Area Sewer District CS	5SSO10912	843662	Certified	Category 1	204777	Sacramento	Yes	4,380	4,320	1/3/2018	Debris from Construction
SS	Sacramento Area Sewer District CS	5SSO10912	843502	Certified	Category 1		204222 Sacramento	Yes	4,358	4,160	12/29/2017	Root Intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	843863	Certified	Category 1	205062	Sacramento	Yes	4,162	3,862	1/10/2018	Pipe Structural Problem/Failure
SS	Sacramento Area Sewer District CS	5SSO10912	843851	Certified	Category 1	205128	Sacramento	Yes	3,852	2,852	1/10/2018	Damage by Others Not Related to CS Construction/Mai
SS	Sacramento Area Sewer District CS	5SSO10912	844146	Certified	Category 1	205755	Sacramento	Yes	2,211	2,023	1/15/2018	Root Intrusion
SS	City of Stockton MUD CS	5SSO11433	844114	Certified	Category 1	820 Astor Drive, Stockton CA 95210	San Joaquin	Yes	1,260	1,260	1/21/2018	Grease Deposition (FOG)
SR	Mt Shasta CS	5SSO10835	843480	Certified	Category 1	Mc Cloud Ave at South B St	Siskiyou	Yes	900	900	1/1/2018	Root Intrusion
SS	City of Stockton MUD CS	5SSO11433	843211	Certified	Category 1	2023 Piza Circle	San Joaquin	Yes	844	844	12/24/2017	Grease Deposition (FOG)
SS	Sacramento Area Sewer District CS	5SSO10912	843510	Certified	Category 1	204272	Sacramento	Yes	975	829	1/1/2018	Grease Deposition (FOG)
SS	Sacramento Area Sewer District CS	5SSO10912	841980	Certified	Category 1		201459 Sacramento	Yes	2,214	809	11/20/2017	Grease Deposition (FOG)
SS	Sacramento Area Sewer District CS	5SSO10912	844547	Certified	Category 1	206633	Sacramento	Yes	884	690	1/27/2018	Debris-General
SS	Sacramento Area Sewer District CS	5SSO10912	844178	Certified	Category 1	206000	Sacramento	Yes	668	662	1/18/2018	Root Intrusion
SR	Shasta Lake CS	5SSO10851	841771	Certified	Category 1	Manhole E11 at north end of Boudeaux Pl	Shasta	Yes	600	600	11/24/2017	Grease Deposition (FOG)
SS	Nevada City CS	5SSO11011	843508	Certified	Category 1	222 sacramento	Nevada	Yes	640	560	12/31/2017	Root Intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	843864	Certified	Category 1	204941	Sacramento	Yes	550	550	1/9/2018	Debris from Construction
SS	Nevada City CS	5SSO11011	841660	Certified	Category 1	112 Orchard st	Nevada	Yes	420	420	11/16/2017	Root Intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	841702	Certified	Category 1		200453 Sacramento	Yes	388	386	11/15/2017	Debris-Rags
SS	Sacramento Area Sewer District CS	5SSO10912	843810	Certified	Category 1	204954	Sacramento	Yes	386	382	1/5/2018	Root Intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	844109	Certified	Category 1	205594	Sacramento	Yes	850	381	1/18/2018	Root Intrusion
SF	Ford City-Taft Heights CS	5SSO10730	841969	Certified	Category 1	Corner of 10th ave and A street in Taft CA	Kern	Yes	642	299	11/30/2017	Debris from Construction
SS	Hangtown Creek CS	5SSO10965	841539	Certified	Category 1	1100 Marshall Way	El Dorado	Yes	321	261	11/14/2017	Debris-Rags
SS	Sacramento Area Sewer District CS	5SSO10912	844352	Certified	Category 1	206323	Sacramento	Yes	286	253	1/21/2018	Debris-General
SS	City Of Jackson CS	5SSO10895	841698	Certified	Category 1	420 Pitt St	Amador	Yes	252	252	11/16/2017	Debris-Rags
SR	Shasta Lake CS	5SSO10851	841744	Certified	Category 1	1925 Locust Ave	Shasta	Yes	250	250	11/21/2017	Grease Deposition (FOG)
SS	South Placer Mud CS	5SSO11054	841793	Certified	Category 1	5481 East Sunwood Ct	Placer	Yes	235	232	11/23/2017	Non-Dispersables
SS	Sacramento Area Sewer District CS	5SSO10912	841723	Certified	Category 1		200776 Sacramento	Yes	192	172	11/16/2017	Root Intrusion
SR	Redding City CS	5SSO10801	843866	Certified	Category 1	Manhole R12-42, in Corona St north of 2445 Corona St	Shasta	Yes	315	165	1/15/2018	Other (specify below)
SS	South Placer Mud CS	5SSO11054	844385	Certified	Category 1	5113 De La Rose Dr	Placer	Yes	108	101	1/26/2018	Root Intrusion
SF	Mariposa PUD CS	5SSO10744	843761	Certified	Category 1	Highway 49 North	Mariposa	Yes	200	100	1/11/2018	Grease Deposition (FOG)
SS	City Of Jackson CS	5SSO10895	844097	Certified	Category 1	P8001	Amador	Yes	285	90	1/23/2018	Debris-Rags
SS	Nevada City CS	5SSO11011	843573	Certified	Category 1	575 East Broad st	Nevada	Yes	90	90	1/4/2018	CS Maintenance Caused Spill/Damage
SS	South Placer Mud CS	5SSO11054	843181	Certified	Category 1	6000 Brookside Ct	Placer	Yes	68	64	12/22/2017	Root Intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	843551	Certified	Category 1		204310 Sacramento	Yes	217	50	12/31/2017	Root Intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	842782	Certified	Category 1		201121 Sacramento	Yes	30	26	11/26/2017	Vandalism
SS	Dry Creek CS	5SSO10935	843899	Certified	Category 1	Clinton Ave and Darling Wy.	Placer	Yes	342	7	1/16/2018	Other (specify below)
SR	Oroville CS	5SSO10799	844151	Certified	Category 2	City of Oroville	Butte	No	9,000	0	1/23/2018	Vandalism
SS	Sacramento Area Sewer District CS	5SSO10912	841762	Certified	Category 2		200887 Sacramento	No	1,877	0	11/20/2017	Debris-General
SS	Nevada City CS	5SSO11011	843731	Certified	Category 2	320 Park Ave.	Nevada	No	1,514	0	12/11/2017	Root Intrusion
SF	City of Fresno CS	5SSO11202	844173	Certified	Category 2	1851-72	Fresno	No	1,281	0	1/22/2018	Grease Deposition (FOG)
SS	West Sacramento CS	5SSO11082	841829	Certified	Category 3	857 Garnet Street	Yolo	No	905	0	11/14/2017	Grease Deposition (FOG)
SF	Taft City CS	5SSO10940	843871	Certified	Category 3	110th street between Center street and Main street	Kern	No	900	0	1/14/2018	Debris-Rags
SS	Tracy CS	5SSO11066	842674	Certified	Category 3	14649 Von Sosten	San Joaquin	No	900	0	11/20/2017	Grease Deposition (FOG)
SS	Tracy CS	5SSO11066	843606	Certified	Category 3	1400 West Lowell	San Joaquin	No	800	0	12/17/2017	Grease Deposition (FOG)
SS	City of Sacramento Utilities CS	5SSO10901	843634	Certified	Category 3	4571 76th St. Sacramento, Ca.	Sacramento	No	750	0	1/6/2018	Grease Deposition (FOG)
SS	Soda Springs CS	5SSO11503	841754	Certified	Category 3	Export Force Main ARV on Palisades Drive	Placer	No	620	0	11/9/2017	Air Relief Valve (ARV)/Blow-Off Valve (BOV) Failure
SS	Sacramento Area Sewer District CS	5SSO10912	844432	Certified	Category 3		202588 Sacramento	No	603	0	12/12/2017	Root Intrusion
SF	Atwater CS	5SSO10716	841362	Certified	Category 3	Belmont Ct	Merced	No	585	0	11/1/2017	Grease Deposition (FOG)
SS	Discovery Bay CS	5SSO10929	844175	Certified	Category 3	Golf Valve Station at 2100 channel Rd. off Highway 4	Contra Costa	No	500	0	12/19/2017	Debris-Rags
SS	City of Stockton MUD CS	5SSO11433	843320	Certified	Category 3	1634 Anne St Stockton Ca	San Joaquin	No	490	0	12/21/2017	Grease Deposition (FOG)
SS	Sacramento Area Sewer District CS	5SSO10912	843294	Certified	Category 3		199515 Sacramento	No	472	0	11/1/2017	Grease Deposition (FOG)
SF	Grant Grove CS	5SSO11676	842007	Certified	Category 3	Grant Grove MH14	Tulare	No	400	0	12/4/2017	Root Intrusion
SS	City of Sacramento Utilities CS	5SSO10901	844346	Certified	Category 3	2340 Beaumont Street Sacramento, Ca.	Sacramento	No	392	0	1/28/2018	Grease Deposition (FOG)
SS	City of Sacramento Utilities CS	5SSO10901	842680	Certified	Category 3	2196 Beth Way Sacramento, Way	Sacramento	No	375	0	12/5/2017	Other (specify below)
SS	Sacramento Area Sewer District CS	5SSO10912	845134	Certified	Category 3	204786	Sacramento	No	365	0	1/7/2018	Root Intrusion
SS	Colfax CS	5SSO10907	843859	Certified	Category 3	232 Culver St. Colfax, Ca 95713	Placer	No	353	0	1/9/2018	Other (specify below)
SS	Maxwell PUD CS	5SSO10995	844098	Certified	Category 3	North Pacific Street X North Street	Colusa	No	318	0	1/22/2018	Pipe Structural Problem/Failure
SS	South Placer Mud CS	5SSO11054	843139	Certified	Category 3	8437 Joe Rodgers Rd Granite Bay, CA	Placer	No	309	0	11/11/2017	Root Intrusion
SS	City of Sacramento Utilities CS	5SSO10901	843632	Certified	Category 3	2624 Traction Ave. Sacramento, Ca.	Sacramento	No	305	0	1/6/2018	Other (specify below)
SS	City of Stockton MUD CS	5SSO11433	842747	Certified	Category 3	921 N. California St Stockton Ca	San Joaquin	No	305	0	12/11/2017	Root Intrusion
SS	Turlock CS	5SSO11069	844763	Certified	Category 3	495 and 533 Julian	Stanislaus	No	300	0	1/30/2018	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	Oakdale CS	5SSO11017	843324	Certified	Category 3	Hill Road	Stanislaus	No	300	0	12/29/2017	Debris-Rags	
SS	Tracy CS	5SSO11066	843607	Certified	Category 3	1827 Kavanaugh Ave Tracy calif	San Joaquin	No	300	0	12/25/2017	Grease Deposition (FOG)	
SS	Murphys CS	5SSO11007	843477	Certified	Category 3	454 Main st Murphys 95247	Calaveras	No	292	0	1/2/2018	Debris-General	
SS	Sacramento Area Sewer District CS	5SSO10912	845178	Certified	Category 3	204432	Sacramento	No	270	0	1/2/2018	Root intrusion	
SF	City of Fresno CS	5SSO11202	844059	Certified	Category 3	3405 N. Maroa Ave.	Fresno	No	270	0	12/26/2017	Grease Deposition (FOG)	
SS	Easterly CS	5SSO10938	843637	Certified	Category 3	938 E monte vista	Solano	No	266	0	1/9/2018	Debris-Rags	
SF	City of Fresno CS	5SSO11202	841636	Certified	Category 3	MH 2151-55	Fresno	No	257	0	11/5/2017	Pipe Structural Problem/Failure	
SS	Sacramento Area Sewer District CS	5SSO10912	845140	Certified	Category 3	204935	Sacramento	No	253	0	1/9/2018	Root intrusion	
SS	Sacramento Area Sewer District CS	5SSO10912	843254	Certified	Category 3		200116	Sacramento	No	237	0	11/10/2017	Vandalism
SS	South Placer Mud CS	5SSO11054	843170	Certified	Category 3	3393 Taylor Rd Loomis Ca 95650	Placer	No	225	0	11/13/2017	Root intrusion	
SS	Sacramento Area Sewer District CS	5SSO10912	843276	Certified	Category 3		200160	Sacramento	No	206	0	11/13/2017	Pipe Structural Problem/Failure
SF	Wasco State Prison CS	5SSO10775	843046	Certified	Category 3	Wasco State Prison	Kern	No	200	0	12/15/2017	Debris-Rags	
SS	Sacramento Area Sewer District CS	5SSO10912	844408	Certified	Category 3		202398	Sacramento	No	200	0	12/10/2017	Root intrusion
SF	Mariposa PUD CS	5SSO10744	841566	Certified	Category 3	5092 Smith Rd	Mariposa	No	200	0	11/15/2017	Debris-General	
SS	Sacramento Area Sewer District CS	5SSO10912	844444	Certified	Category 3		202371	Sacramento	No	199	0	12/9/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	845164	Certified	Category 3	206242	Sacramento	No	191	0	1/24/2018	Debris-General	
SR	Red Bluff CS	5SSO10845	843114	Certified	Category 3	Alley behind 430 Johnson st	Tehama	No	187	0	12/17/2017	Grease Deposition (FOG)	
SS	West Sacramento CS	5SSO11082	843251	Certified	Category 3	614 Andrew Street	Yolo	No	186	0	12/28/2017	Pipe Structural Problem/Failure	
SS	Sacramento Area Sewer District CS	5SSO10912	844423	Certified	Category 3		202143	Sacramento	No	184	0	12/6/2017	Root intrusion
SF	City of Fresno CS	5SSO11202	844193	Certified	Category 3	MH 2255-21	Fresno	No	179	0	1/21/2018	Grease Deposition (FOG)	
SS	Sacramento Area Sewer District CS	5SSO10912	845186	Certified	Category 3	205311	Sacramento	No	177	0	1/14/2018	Debris-General	
SF	City of Fresno CS	5SSO11202	844482	Certified	Category 3	1329 E Los Angeles	Fresno	No	155	0	12/12/2017	Pipe Structural Problem/Failure	
SS	South Placer Mud CS	5SSO11054	844070	Certified	Category 3	6005 Little Rock Rd., Rocklin, CA	Placer	No	155	0	12/10/2017	Root intrusion	
SS	Manteca CS	5SSO10993	842655	Certified	Category 3	1319 Nana Pl	San Joaquin	No	137	0	11/22/2017	Grease Deposition (FOG)	
SS	Sacramento Area Sewer District CS	5SSO10912	845175	Certified	Category 3	205732	Sacramento	No	135	0	1/19/2018	Debris-General	
SS	Murphys CS	5SSO11007	843471	Certified	Category 3	210 Mitchler rd Murphys CA 95247	Calaveras	No	135	0	12/30/2017	Debris from Lateral	
SS	Sacramento Area Sewer District CS	5SSO10912	844435	Certified	Category 3		201909	Sacramento	No	128	0	12/2/2017	Pipe Structural Problem/Failure
SF	Wasco State Prison CS	5SSO10775	844495	Certified	Category 3	Wasco State PRISON	Kern	No	125	0	1/30/2018	Debris-Rags	
SS	Easterly CS	5SSO10938	843069	Certified	Category 3	205 Elm st.	Solano	No	118	0	12/19/2017	Root intrusion	
SS	Sacramento Area Sewer District CS	5SSO10912	843289	Certified	Category 3		200149	Sacramento	No	114	0	11/10/2017	Vandalism
SS	Sacramento Area Sewer District CS	5SSO10912	844397	Certified	Category 3		204027	Sacramento	No	110	0	12/27/2017	Debris-General
SS	Sacramento Area Sewer District CS	5SSO10912	843256	Certified	Category 3		201001	Sacramento	No	109	0	11/22/2017	Pipe Structural Problem/Failure
SS	Sacramento Area Sewer District CS	5SSO10912	843261	Certified	Category 3		200030	Sacramento	No	105	0	11/9/2017	Debris-General
SS	Sacramento Area Sewer District CS	5SSO10912	845170	Certified	Category 3	204884	Sacramento	No	104	0	1/8/2018	Root intrusion	
SS	Sacramento Area Sewer District CS	5SSO10912	845129	Certified	Category 3	204276	Sacramento	No	104	0	1/1/2018	Root intrusion	
SS	Sacramento Area Sewer District CS	5SSO10912	843301	Certified	Category 3		200131	Sacramento	No	102	0	11/12/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	844421	Certified	Category 3		204219	Sacramento	No	100	0	12/30/2017	Debris-General
SS	Sacramento Area Sewer District CS	5SSO10912	844401	Certified	Category 3		204223	Sacramento	No	100	0	12/30/2017	Root intrusion
SS	Lincoln Village Maintenance District CS	5SSO11482	844581	Certified	Category 3	6329 Harrisburg Place	San Joaquin	No	100	0	12/27/2017	Root intrusion	
SF	Selma-Kingsburg-Fowler CS	5SSO11466	843246	Certified	Category 3	1780 1/2 20th Ave	Fresno	No	100	0	12/23/2017	Root intrusion	
SS	Sacramento Area Sewer District CS	5SSO10912	843309	Certified	Category 3		200831	Sacramento	No	95	0	11/18/2017	Debris-General
SS	West Sacramento CS	5SSO11082	843344	Certified	Category 3	1506 Sacramento Avenue	Yolo	No	94	0	12/19/2017	Debris-General	
SS	West Sacramento CS	5SSO11082	841830	Certified	Category 3	3400 Palomar Avenue	Yolo	No	94	0	11/20/2017	Debris-General	
SS	West Sacramento CS	5SSO11082	841827	Certified	Category 3	300 4th Street	Yolo	No	94	0	11/11/2017	Debris-General	
SS	City of Sacramento Utilities CS	5SSO10901	841433	Certified	Category 3	2324 Thompson Way Sacramento, Ca.	Sacramento	No	91	0	11/3/2017	Other (specify below)	
SS	Sacramento Area Sewer District CS	5SSO10912	844424	Certified	Category 3		203091	Sacramento	No	90	0	12/16/2017	Other (specify)
SS	City of Sacramento Utilities CS	5SSO10901	841791	Certified	Category 3	5200 Del Rio Rd. Sacramento, Ca.	Sacramento	No	90	0	11/18/2017	Root intrusion	
SS	Sacramento Area Sewer District CS	5SSO10912	845183	Certified	Category 3	204776	Sacramento	No	86	0	1/6/2018	Debris-General	
SS	Sacramento Area Sewer District CS	5SSO10912	844449	Certified	Category 3		204179	Sacramento	No	81	0	12/29/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	844451	Certified	Category 3		203632	Sacramento	No	79	0	12/20/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	845163	Certified	Category 3	206206	Sacramento	No	78	0	1/23/2018	Root intrusion	
SS	City of Stockton MUD CS	5SSO11433	841429	Certified	Category 3	635 N. Airport Wy. Stockton Ca.	San Joaquin	No	76	0	11/7/2017	Debris from Lateral	
SS	Sacramento Area Sewer District CS	5SSO10912	845156	Certified	Category 3	206649	Sacramento	No	75	0	1/31/2018	Debris-General	
SS	Nevada City CS	5SSO11011	844493	Certified	Category 3	Railroad ave	Nevada	No	75	0	12/30/2017	Root intrusion	
SS	Hangtown Creek CS	5SSO10965	842653	Certified	Category 3	872 cottage	El Dorado	No	75	0	12/6/2017	Debris-General	
SS	Sacramento Area Sewer District CS	5SSO10912	844453	Certified	Category 3		202394	Sacramento	No	74	0	12/10/2017	Root intrusion
SS	South Placer Mud CS	5SSO11054	844345	Certified	Category 3	3386 Margaret Dr Loomis	Placer	No	73	0	12/5/2017	Root intrusion	
SS	White Slough Water Poll Con Pu CS	5SSO11084	842626	Certified	Category 3	3065 Artistry St.	San Joaquin	No	72	0	11/21/2017	Debris from Construction	
SS	City of Woodland CS	5SSO10903	844165	Certified	Category 3	213 Riverside Drive	Yolo	No	69	0	1/5/2018	Root intrusion	
SS	Sacramento Area Sewer District CS	5SSO10912	845191	Certified	Category 3	205331	Sacramento	No	68	0	1/14/2018	Root intrusion	
SS	Sacramento Area Sewer District CS	5SSO10912	845143	Certified	Category 3	205303	Sacramento	No	67	0	1/13/2018	Root intrusion	
SS	Sacramento Area Sewer District CS	5SSO10912	845179	Certified	Category 3	204894	Sacramento	No	67	0	1/8/2018	Root intrusion	
SS	Sacramento Area Sewer District CS	5SSO10912	843319	Certified	Category 3		201073	Sacramento	No	62	0	11/24/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	843303	Certified	Category 3		200799	Sacramento	No	62	0	11/18/2017	Root intrusion
SR	Redding City CS	5SSO10801	843818	Certified	Category 3	Manhole L6-40, in alley behind 2213 Waldon St	Shasta	No	61	0	1/2/2018	Other (specify below)	

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	City of Woodland CS	5SSO10903	842685	Certified	Category 3	342 Riverside Dr	Yolo	No	61	0	11/25/2017	Pipe Structural Problem/Failure
5F	Tuolumne Utilities District CS	5SSO10771	843571	Certified	Category 3	back storage area of business	Tuolumne	No	60	0	12/23/2017	Pipe Structural Problem/Failure
SS	Dry Creek CS	5SSO10935	842032	Certified	Category 3	250 South Harding Blvd.	Placer	No	58	0	11/30/2017	Root Intrusion
SS	City of Stockton MUD CS	5SSO11433	841735	Certified	Category 3	700 W. Park St Stockton Ca.	San Joaquin	No	56	0	11/17/2017	Root Intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	845181	Certified	Category 3	205768	Sacramento	No	55	0	1/20/2018	Grease deposition (FOG)
5F	City of Fresno CS	5SSO11202	844064	Certified	Category 3	MH 3358-15	Fresno	No	53	0	12/19/2017	Debris-Rags
SS	City Of Antioch CS	5SSO10890	842785	Certified	Category 3	1010 BlueRock Dr., Antioch CA	Contra Costa	No	53	0	12/3/2017	Debris-General
SS	Dry Creek CS	5SSO10935	842779	Certified	Category 3	1338 Ridgerun Dr.	Placer	No	52	0	12/7/2017	Debris-Wipes/Non-Dispersables
SS	Sacramento Area Sewer District CS	5SSO10912	844388	Certified	Category 3		202124 Sacramento	No	51	0	12/5/2017	Pipe Structural Problem/Failure
SS	City Of Brentwood CS	5SSO10891	844038	Certified	Category 3	613 2nd St	Contra Costa	No	50	0	1/13/2018	Root Intrusion
SS	Davis CS	5SSO10921	841706	Certified	Category 3	1607 Tamarack Lane	Yolo	No	50	0	11/8/2017	Root Intrusion
SS	City Of Antioch CS	5SSO10890	844376	Certified	Category 3	921 Clay Ct Antioch	Contra Costa	No	46	0	1/22/2018	Root Intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	844415	Certified	Category 3		202504 Sacramento	No	46	0	12/11/2017	Root intrusion
SS	Dry Creek CS	5SSO10935	844166	Certified	Category 3	224 1/2 D St Roseville	Placer	No	45	0	1/16/2018	Root Intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	845167	Certified	Category 3	205400	Sacramento	No	40	0	1/14/2018	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	845138	Certified	Category 3	204621	Sacramento	No	40	0	1/4/2018	Debris-General
SS	Sacramento Area Sewer District CS	5SSO10912	844395	Certified	Category 3		203703 Sacramento	No	40	0	12/22/2017	Root intrusion
5F	Wasco State Prison CS	5SSO10775	842813	Certified	Category 3	wasco state prison	Kern	No	40	0	12/15/2017	Debris-Rags
SS	Sacramento Area Sewer District CS	5SSO10912	844387	Certified	Category 3		201957 Sacramento	No	39	0	12/3/2017	Root intrusion
SS	West Sacramento CS	5SSO11082	843044	Certified	Category 3	1404 Dobros Street	Yolo	No	37	0	12/14/2017	Debris from Lateral
SS	Sacramento Area Sewer District CS	5SSO10912	843292	Certified	Category 3		200739 Sacramento	No	37	0	11/17/2017	Grease deposition (FOG)
SS	Sacramento Area Sewer District CS	5SSO10912	843314	Certified	Category 3		199697 Sacramento	No	36	0	11/6/2017	Debris-General
SS	Sacramento Area Sewer District CS	5SSO10912	845142	Certified	Category 3	204779	Sacramento	No	34	0	1/6/2018	Debris-General
SS	City of Stockton MUD CS	5SSO11433	844668	Certified	Category 3	1316 E. Acacia St Stockton Ca.	San Joaquin	No	33	0	1/18/2018	Root Intrusion
SS	City of Stockton MUD CS	5SSO11433	841855	Certified	Category 3	1221 S. Hunter St Stockton Ca.	San Joaquin	No	32	0	11/28/2017	Debris from Lateral
5F	CSA 71.3 CS	5SSO11601	841663	Certified	Category 3	7900 Downing Ave, Bakersfield CA,	Kern	No	32	0	11/17/2017	Grease Deposition (FOG)
SS	Sacramento Area Sewer District CS	5SSO10912	843300	Certified	Category 3		199686 Sacramento	No	32	0	11/5/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	845135	Certified	Category 3	204822	Sacramento	No	31	0	1/8/2018	Root intrusion
SS	City of Stockton MUD CS	5SSO11433	841447	Certified	Category 3	18 E. Arcade Stockton Ca.	San Joaquin	No	31	0	11/7/2017	Debris from Lateral
5F	City Of Bakersfield CS	5SSO10717	844086	Certified	Category 3	3807 Auburn St	Kern	No	30	0	1/17/2018	Grease Deposition (FOG)
SS	Sacramento Area Sewer District CS	5SSO10912	845160	Certified	Category 3	205186	Sacramento	No	30	0	1/11/2018	Root intrusion
SS	Davis CS	5SSO10921	843840	Certified	Category 3	1826 Alameda Ave.	Yolo	No	30	0	1/8/2018	Root Intrusion
SS	City Of Lakeport CS	5SSO10896	843515	Certified	Category 3	102 Lupoyoma Heights	Lake	No	30	0	1/3/2018	Root Intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	844419	Certified	Category 3		203723 Sacramento	No	30	0	12/23/2017	Debris-General
5F	Tuolumne Utilities District CS	5SSO10771	843075	Certified	Category 3	manhole in intersection of Washington St and School St	Tuolumne	No	30	0	12/17/2017	Debris-General
SS	Sacramento Area Sewer District CS	5SSO10912	844433	Certified	Category 3		202678 Sacramento	No	29	0	12/13/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	845185	Certified	Category 3	205286	Sacramento	No	28	0	1/13/2018	Root intrusion
SS	City of Woodland CS	5SSO10903	844329	Certified	Category 3	1720 W. Miramonte Dr	Yolo	No	28	0	1/13/2018	Root Intrusion
SS	City of Woodland CS	5SSO10903	843550	Certified	Category 3	216 W. Court St	Yolo	No	28	0	12/22/2017	Debris-General
SS	Sacramento Area Sewer District CS	5SSO10912	845137	Certified	Category 3	206345	Sacramento	No	27	0	1/26/2018	Root intrusion
5F	City of Fresno CS	5SSO11202	845215	Certified	Category 3	MH 2455-13	Fresno	No	26	0	1/11/2018	Grease Deposition (FOG)
SS	Hangtown Creek CS	5SSO10965	844319	Certified	Category 3	2960 Weswinn Ct	El Dorado	No	25	0	1/11/2018	Debris-General
SS	Sacramento Area Sewer District CS	5SSO10912	845130	Certified	Category 3	204443	Sacramento	No	25	0	1/3/2018	Root intrusion
SS	City Of Folsom CS	5SSO10893	843841	Certified	Category 3	676 Loomis Circle	Sacramento	No	25	0	12/18/2017	Debris from Construction
5F	City Of Bakersfield CS	5SSO10717	843060	Certified	Category 3	2492 Beech St	Kern	No	25	0	12/17/2017	Other (specify below)
SS	Sacramento Area Sewer District CS	5SSO10912	844409	Certified	Category 3		202404 Sacramento	No	25	0	12/10/2017	Vandalism
SS	Sacramento Area Sewer District CS	5SSO10912	844402	Certified	Category 3		202389 Sacramento	No	25	0	12/9/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	843313	Certified	Category 3		199535 Sacramento	No	25	0	11/1/2017	Root intrusion
SS	City of Woodland CS	5SSO10903	843507	Certified	Category 3	168 Stone Way	Yolo	No	24	0	12/27/2017	Debris-General
SS	Sacramento Area Sewer District CS	5SSO10912	844471	Certified	Category 3		202881 Sacramento	No	24	0	12/11/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	845195	Certified	Category 3	206497	Sacramento	No	22	0	1/29/2018	Debris-General
SS	West Sacramento CS	5SSO11082	843341	Certified	Category 3	1720 Virginia Avenue	Yolo	No	22	0	12/31/2017	Pipe Structural Problem/Failure
SS	South Placer Mud CS	5SSO11054	844093	Certified	Category 3	2613 Cold Water Ct., Rocklin, CA	Placer	No	22	0	12/30/2017	Debris from Lateral
SS	West Sacramento CS	5SSO11082	841751	Certified	Category 3	612 Todhunter Ave.	Yolo	No	22	0	11/25/2017	Debris-Rags
SS	City of Sacramento Combined CS	5SSO10901	844386	Certified	Category 3	2800 Marshall Way Sacramento, Ca.	Sacramento	No	21	0	1/28/2018	Root Intrusion
SS	City Of Antioch CS	5SSO10890	844377	Certified	Category 3	3124 Jackson Pl Antioch	Contra Costa	No	21	0	1/10/2018	Pipe Structural Problem/Failure - Installation
SS	City of Stockton MUD CS	5SSO11433	843742	Certified	Category 3	1605 Telegraph Av Stockton Ca	San Joaquin	No	20	0	1/10/2018	Root Intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	844390	Certified	Category 3		202236 Sacramento	No	20	0	12/7/2017	Debris-General
SS	City of Sacramento Utilities CS	5SSO10901	841993	Certified	Category 3	2298 Craig ave. Sacramento, Ca.	Sacramento	No	20	0	12/1/2017	Grease Deposition (FOG)
SS	Sacramento Area Sewer District CS	5SSO10912	844406	Certified	Category 3		201623 Sacramento	No	20	0	12/1/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	844422	Certified	Category 3		201628 Sacramento	No	20	0	12/1/2017	Debris-General
SS	Pacific Gardens Sanitary District CS	5SSO11480	843746	Certified	Category 3	4269 Yacht Harbor	San Joaquin	No	20	0	11/24/2017	Root Intrusion
SS	City of Stockton MUD CS	5SSO11433	843342	Certified	Category 3	6003 Village Green Dr Stockton Ca.	San Joaquin	No	19	0	12/27/2017	Grease Deposition (FOG)
SS	City of Stockton MUD CS	5SSO11433	843228	Certified	Category 3	8630 Kelley Dr. Stockton Ca.	San Joaquin	No	19	0	12/21/2017	Debris-General
SS	Sacramento Area Sewer District CS	5SSO10912	845169	Certified	Category 3	206602	Sacramento	No	18	0	1/31/2018	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	5SSO10912	844420	Certified	Category 3		203787 Sacramento	No	18	0	12/26/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	844450	Certified	Category 3		202076 Sacramento	No	18	0	12/5/2017	Debris-General
SS	Sacramento Area Sewer District CS	5SSO10912	843312	Certified	Category 3		201395 Sacramento	No	18	0	11/27/2017	Root intrusion
5F	Malaga CWD CS	5SSO10742	844360	Certified	Category 3	E. Gould Ave. / S. Ward Ave. Manhole #112	Fresno	No	17	0	1/29/2018	Grease Deposition (FOG)
SS	Sacramento Area Sewer District CS	5SSO10912	845190	Certified	Category 3	205302	Sacramento	No	17	0	1/14/2018	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	844428	Certified	Category 3		204003 Sacramento	No	17	0	12/27/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	845144	Certified	Category 3	205410	Sacramento	No	16	0	1/16/2018	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	844461	Certified	Category 3		202989 Sacramento	No	16	0	12/15/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	845180	Certified	Category 3	205057	Sacramento	No	15	0	1/10/2018	Root intrusion
SS	Hangtown Creek CS	5SSO10965	843217	Certified	Category 3	842 Oak Terrace	El Dorado	No	15	0	12/27/2017	Debris-General
SS	Sacramento Area Sewer District CS	5SSO10912	844436	Certified	Category 3		202458 Sacramento	No	15	0	12/11/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	844437	Certified	Category 3		202458 Sacramento	No	15	0	12/11/2017	Root intrusion
5F	Tuolumne Utilities District CS	5SSO10771	843078	Certified	Category 3	manhole in front of 268 Lyons st	Tuolumne	No	15	0	12/10/2017	Debris-General
SS	Sacramento Area Sewer District CS	5SSO10912	844457	Certified	Category 3		201974 Sacramento	No	15	0	12/4/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	845133	Certified	Category 3	206024	Sacramento	No	14	0	1/22/2018	Root intrusion
SS	South Placer Mud CS	5SSO11054	844368	Certified	Category 3	6296 Brookside Circle, Rocklin, CA	Placer	No	14	0	12/22/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	843281	Certified	Category 3		201466 Sacramento	No	14	0	11/29/2017	Debris-General
SS	Sacramento Area Sewer District CS	5SSO10912	843315	Certified	Category 3		200719 Sacramento	No	14	0	11/17/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	845146	Certified	Category 3	206575	Sacramento	No	13	0	1/30/2018	Root intrusion
SS	Easterly CS	5SSO10938	843856	Certified	Category 3	781 wseley	Solano	No	13	0	1/13/2018	Other (specify below)
SS	Sacramento Area Sewer District CS	5SSO10912	844413	Certified	Category 3		203532 Sacramento	No	13	0	12/20/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	845166	Certified	Category 3	205277	Sacramento	No	12	0	1/12/2018	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	844465	Certified	Category 3		203364 Sacramento	No	12	0	12/18/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	843307	Certified	Category 3		200761 Sacramento	No	12	0	11/17/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	845194	Certified	Category 3	206417	Sacramento	No	11	0	1/29/2018	Debris-General
SS	Sacramento Area Sewer District CS	5SSO10912	845168	Certified	Category 3	206334	Sacramento	No	11	0	1/26/2018	Debris-General
SS	Sacramento Area Sewer District CS	5SSO10912	845187	Certified	Category 3	205435	Sacramento	No	11	0	1/15/2018	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	844442	Certified	Category 3		203954 Sacramento	No	11	0	12/27/2017	Root intrusion
SS	Dry Creek CS	5SSO10935	843665	Certified	Category 3	1338 Blossom Hill Wy.	Placer	No	11	0	12/22/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	844411	Certified	Category 3		202953 Sacramento	No	11	0	12/15/2017	Root intrusion
SS	City of Stockton MUD CS	5SSO11433	842735	Certified	Category 3	2927 Marsh St. Stockton Ca	San Joaquin	No	11	0	12/11/2017	Debris-General
SS	City of Stockton MUD CS	5SSO11433	842703	Certified	Category 3	610 E. Oak St Stockton CA	San Joaquin	No	11	0	12/6/2017	Debris-General
SS	Sacramento Area Sewer District CS	5SSO10912	843269	Certified	Category 3		201040 Sacramento	No	11	0	11/22/2017	Root intrusion
SS	City of Stockton MUD CS	5SSO11433	844670	Certified	Category 3	1622 E. Scotts Ave Stockton Ca	San Joaquin	No	10	0	1/29/2018	Debris-General
5F	Ford City-Taft Heights CS	5SSO10730	844332	Certified	Category 3	410 Monroe Street, Taft, CA	Kern	No	10	0	1/28/2018	Vandalism
SS	Turlock CS	5SSO11069	844765	Certified	Category 3	1199 Delbon	Stanislaus	No	10	0	1/26/2018	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	845162	Certified	Category 3	205748	Sacramento	No	10	0	1/20/2018	Root intrusion
SS	Davis CS	5SSO10921	843867	Certified	Category 3	1401 Drake drive	Yolo	No	10	0	1/13/2018	Root intrusion
SS	City of Stockton MUD CS	5SSO11433	843873	Certified	Category 3	205 E. Glencannon Stockton Ca	San Joaquin	No	10	0	1/12/2018	Root intrusion
SS	City Of Brentwood CS	5SSO10891	843829	Certified	Category 3	749 Valleygreen Dr	Contra Costa	No	10	0	1/11/2018	Pipe Structural Problem/Failure
SS	Sacramento Area Sewer District CS	5SSO10912	845158	Certified	Category 3	204717	Sacramento	No	10	0	1/5/2018	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	845154	Certified	Category 3	204461	Sacramento	No	10	0	1/3/2018	Root intrusion
SS	City of Stockton MUD CS	5SSO11433	843495	Certified	Category 3	4541 Da Vinci Ave Stockton Ca.	San Joaquin	No	10	0	12/29/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	844462	Certified	Category 3		203096 Sacramento	No	10	0	12/17/2017	Debris-General
SS	Sacramento Area Sewer District CS	5SSO10912	844460	Certified	Category 3		202839 Sacramento	No	10	0	12/14/2017	Debris-General
SS	Sacramento Area Sewer District CS	5SSO10912	844416	Certified	Category 3		202520 Sacramento	No	10	0	12/12/2017	Air Relief (ARV)/Blow-Off (BOV) Valve Failure
SS	Sacramento Area Sewer District CS	5SSO10912	844468	Certified	Category 3		202260 Sacramento	No	10	0	12/7/2017	Root intrusion
5R	Mt Shasta CS	5SSO10835	843476	Certified	Category 3	304 Ackley Ave	Siskiyou	No	10	0	11/30/2017	Root intrusion
SS	Turlock CS	5SSO11069	842691	Certified	Category 3	Cottonwood and Rose	Stanislaus	No	10	0	11/26/2017	Grease Deposition (FOG)
SS	Sacramento Area Sewer District CS	5SSO10912	843271	Certified	Category 3		201493 Sacramento	No	10	0	11/24/2017	Debris-General
SS	Sacramento Area Sewer District CS	5SSO10912	843296	Certified	Category 3		200795 Sacramento	No	10	0	11/19/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	843252	Certified	Category 3		200736 Sacramento	No	10	0	11/17/2017	Root intrusion
SS	City of Woodland CS	5SSO10903	842683	Certified	Category 3	273 Riverside Dr	Yolo	No	10	0	11/12/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	843291	Certified	Category 3		199670 Sacramento	No	10	0	11/4/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	845123	Certified	Category 3	205626	Sacramento	No	9	0	1/18/2018	Root intrusion
SS	City of Stockton MUD CS	5SSO11433	844060	Certified	Category 3	1727 N. Funston Ave Stockton Ca.	San Joaquin	No	9	0	1/16/2018	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	845124	Certified	Category 3	204314	Sacramento	No	9	0	1/2/2018	Debris-General
SS	City of Sacramento Combined CS	5SSO10901	843506	Certified	Category 3	1317 23rd street Sacramento, Ca.	Sacramento	No	9	0	12/31/2017	Debris-Rags
SS	Sacramento Area Sewer District CS	5SSO10912	844467	Certified	Category 3		204155 Sacramento	No	9	0	12/29/2017	Root intrusion
SS	City of Stockton MUD CS	5SSO11433	843151	Certified	Category 3	1737 West Lane Stockton Ca	San Joaquin	No	9	0	12/20/2017	Debris from Lateral
SS	City Of Antioch CS	5SSO10890	841406	Certified	Category 3	3525 Davi Pl. Antioch CA, 94509	Contra Costa	No	9	0	11/6/2017	Root intrusion
SS	South Placer Mud CS	5SSO11054	844791	Certified	Category 3	351 2nd St, Newcastle, CA	Placer	No	8	0	1/30/2018	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	845127	Certified	Category 3	205164	Sacramento	No	8	0	1/11/2018	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	845139	Certified	Category 3	204768	Sacramento	No	8	0	1/6/2018	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	845157	Certified	Category 3	204650	Sacramento	No	8	0	1/4/2018	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	Waterford CS	5SSO11080	843478	Certified	Category 3	319 Fearl Dr.	Stanislaus	No	8	0	12/31/2017	Other (specify below)
SS	Dry Creek CS	5SSO10935	843059	Certified	Category 3	710 Vernon St.	Placer	No	8	0	12/9/2017	Debris-Wipes/Non-Dispersables
SS	Sacramento Area Sewer District CS	5SSO10912	843318	Certified	Category 3		201048 Sacramento	No	8	0	11/23/2017	Root intrusion
SS	Easterly CS	5SSO10938	841750	Certified	Category 3	462 Deodara	Solano	No	8	0	11/22/2017	Root intrusion
SS	West Sacramento CS	5SSO11082	841828	Certified	Category 3	508 3rd Street	Yolo	No	8	0	11/13/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	843259	Certified	Category 3		200135 Sacramento	No	8	0	11/12/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	845189	Certified	Category 3	206459	Sacramento	No	7	0	1/29/2018	Debris-General
SS	Sacramento Area Sewer District CS	5SSO10912	845126	Certified	Category 3	204850	Sacramento	No	7	0	1/8/2018	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	845165	Certified	Category 3	204369	Sacramento	No	7	0	1/2/2018	Root intrusion
SS	Easterly CS	5SSO10938	843331	Certified	Category 3	2106 Beard ct.	Solano	No	7	0	12/29/2017	Grease Deposition (FOG)
SS	Sacramento Area Sewer District CS	5SSO10912	844464	Certified	Category 3		204230 Sacramento	No	7	0	12/29/2017	Root intrusion
SS	Easterly CS	5SSO10938	842696	Certified	Category 3	336 Zachary	Solano	No	7	0	12/9/2017	Other (specify below)
SS	City of Woodland CS	5SSO10903	843339	Certified	Category 3	1602 Coloma Way	Yolo	No	7	0	12/6/2017	Debris-General
SS	Sacramento Area Sewer District CS	5SSO10912	844458	Certified	Category 3		201988 Sacramento	No	7	0	12/4/2017	Damage by others not related to CS Const/Maint.
SS	Sacramento Area Sewer District CS	5SSO10912	843265	Certified	Category 3		201272 Sacramento	No	7	0	11/27/2017	Debris-General
SS	Sacramento Area Sewer District CS	5SSO10912	843295	Certified	Category 3		200779 Sacramento	No	7	0	11/18/2017	Debris-General
SS	South Placer Mud CS	5SSO11054	843194	Certified	Category 3	3280 Meadow Ct Rocklin Ca 95677	Placer	No	7	0	11/16/2017	Debris from Lateral
SS	Sacramento Area Sewer District CS	5SSO10912	843257	Certified	Category 3		199655 Sacramento	No	7	0	11/3/2017	Debris-General
SS	Sacramento Area Sewer District CS	5SSO10912	845177	Certified	Category 3	206526	Sacramento	No	6	0	1/30/2018	Root intrusion
SS	City of Stockton MUD CS	5SSO11433	843839	Certified	Category 3	7615 N. El Dorado St Stockton Ca.	San Joaquin	No	6	0	1/11/2018	Debris from Lateral
SS	Lake of The Pines CS	5SSO10983	843535	Certified	Category 3	11271 LakeShore South Auburn CA 95602	Nevada	No	6	0	1/2/2018	Debris-General
SS	Sacramento Area Sewer District CS	5SSO10912	845125	Certified	Category 3	204413	Sacramento	No	6	0	1/1/2018	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	844447	Certified	Category 3		203789 Sacramento	No	6	0	12/26/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	844418	Certified	Category 3		203570 Sacramento	No	6	0	12/21/2017	Debris-General
SS	Sacramento Area Sewer District CS	5SSO10912	844426	Certified	Category 3		203504 Sacramento	No	6	0	12/20/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	844425	Certified	Category 3		203444 Sacramento	No	6	0	12/19/2017	Root intrusion
SS	Dry Creek CS	5SSO10935	843230	Certified	Category 3	1206 McKinley	Placer	No	6	0	12/13/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	844431	Certified	Category 3		202246 Sacramento	No	6	0	12/7/2017	Root intrusion
SS	City of Stockton MUD CS	5SSO11433	842658	Certified	Category 3	819 Dallas Ave Stockton Ca	San Joaquin	No	6	0	12/4/2017	Root intrusion
SS	South Placer Mud CS	5SSO11054	843140	Certified	Category 3	2325 S. Whitney Blvd, Rocklin, CA	Placer	No	6	0	11/25/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	843311	Certified	Category 3		201083 Sacramento	No	6	0	11/24/2017	Root intrusion
SS	South Placer Mud CS	5SSO11054	843141	Certified	Category 3	5315 Clipper Ct. Rocklin Ca	Placer	No	6	0	11/21/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	843263	Certified	Category 3		200883 Sacramento	No	6	0	11/20/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	843262	Certified	Category 3		200796 Sacramento	No	6	0	11/19/2017	Debris-General
SS	Sacramento Area Sewer District CS	5SSO10912	843255	Certified	Category 3		200806 Sacramento	No	6	0	11/19/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	843305	Certified	Category 3		199486 Sacramento	No	6	0	11/1/2017	Pipe Structural Problem/Failure
SS	Sacramento Area Sewer District CS	5SSO10912	845174	Certified	Category 3	206478	Sacramento	No	5	0	1/29/2018	Debris-General
SS	Sacramento Area Sewer District CS	5SSO10912	845173	Certified	Category 3	206355	Sacramento	No	5	0	1/26/2018	Root intrusion
SS	City of Woodland CS	5SSO10903	844884	Certified	Category 3	18 Sutter St	Yolo	No	5	0	1/24/2018	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	845172	Certified	Category 3	206040	Sacramento	No	5	0	1/22/2018	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	845193	Certified	Category 3	205751	Sacramento	No	5	0	1/20/2018	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	845150	Certified	Category 3	205696	Sacramento	No	5	0	1/19/2018	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	845192	Certified	Category 3	205478	Sacramento	No	5	0	1/17/2018	Root intrusion
SS	Davis CS	5SSO10921	843868	Certified	Category 3	1130 Lsrteet	Yolo	No	5	0	1/15/2018	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	845155	Certified	Category 3	205315	Sacramento	No	5	0	1/15/2018	Debris-General
SS	Sacramento Area Sewer District CS	5SSO10912	845161	Certified	Category 3	205256	Sacramento	No	5	0	1/12/2018	Debris-General
SS	Sacramento Area Sewer District CS	5SSO10912	844456	Certified	Category 3		203852 Sacramento	No	5	0	12/27/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	844399	Certified	Category 3		203914 Sacramento	No	5	0	12/27/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	844434	Certified	Category 3		203794 Sacramento	No	5	0	12/24/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	844446	Certified	Category 3		203712 Sacramento	No	5	0	12/23/2017	Debris-General
SS	Sacramento Area Sewer District CS	5SSO10912	844472	Certified	Category 3		203724 Sacramento	No	5	0	12/23/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	844440	Certified	Category 3		203699 Sacramento	No	5	0	12/22/2017	Root intrusion
SR	Orland CS	5SSO11421	843552	Certified	Category 3	Alley between A and First Street and Shasta and Tehama Street	Glenn	No	5	0	12/18/2017	Debris from Lateral
SS	Dry Creek CS	5SSO10935	843124	Certified	Category 3	372 Circuit Dr.	Placer	No	5	0	12/17/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	844438	Certified	Category 3		203048 Sacramento	No	5	0	12/16/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	844469	Certified	Category 3		202590 Sacramento	No	5	0	12/12/2017	Debris-General
SS	Sacramento Area Sewer District CS	5SSO10912	844391	Certified	Category 3		202370 Sacramento	No	5	0	12/9/2017	Root intrusion
SS	City of Woodland CS	5SSO10903	843340	Certified	Category 3	640 Ariel Way	Yolo	No	5	0	12/9/2017	Pipe Structural Problem/Failure
SS	City Of Jackson CS	5SSO10895	842731	Certified	Category 3	711 Court st	Amador	No	5	0	12/6/2017	Debris-General
SS	Sacramento Area Sewer District CS	5SSO10912	844407	Certified	Category 3		201984 Sacramento	No	5	0	12/4/2017	Root intrusion
SR	Redding City CS	5SSO10801	841981	Certified	Category 3	Manhole R10-21, South of 3685 Alma in Harpole Rd ROW	Shasta	No	5	0	12/3/2017	Root intrusion
SS	Nevada City CS	5SSO11011	843223	Certified	Category 3	430 Zion street	Nevada	No	5	0	12/1/2017	Root intrusion
SS	City Of Folsom CS	5SSO10893	841977	Certified	Category 3	205 Oak Butte Court	Sacramento	No	5	0	11/30/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	843297	Certified	Category 3		201463 Sacramento	No	5	0	11/29/2017	Root intrusion
SS	White Slough Water Poll. Con Pu CS	5SSO11084	842627	Certified	Category 3	430 Concord St.	San Joaquin	No	5	0	11/27/2017	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	Yuba City CS	5SSO11100	841979	Certified	Category 3	870 Shasta Street	Sutter	No	5	0	11/27/2017	Root Intrusion
SS	Hangtown Creek CS	5SSO10965	841860	Certified	Category 3	2891 Molly Way	El Dorado	No	5	0	11/23/2017	Root Intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	843268	Certified	Category 3		200925 Sacramento	No	5	0	11/21/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	843277	Certified	Category 3		200958 Sacramento	No	5	0	11/21/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	843317	Certified	Category 3		200844 Sacramento	No	5	0	11/20/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	843273	Certified	Category 3		199972 Sacramento	No	5	0	11/7/2017	Vandalism
SS	San Andreas CS	5SSO11048	841425	Certified	Category 3	C.O. B-310a	Calaveras	No	5	0	11/7/2017	Root Intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	843316	Certified	Category 3		199691 Sacramento	No	5	0	11/5/2017	Debris-General
SS	Sacramento Area Sewer District CS	5SSO10912	845171	Certified	Category 3	205745	Sacramento	No	4	0	1/20/2018	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	845148	Certified	Category 3	205654	Sacramento	No	4	0	1/18/2018	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	845132	Certified	Category 3	205536	Sacramento	No	4	0	1/17/2018	Debris-General
SS	City of Woodland CS	5SSO10903	844759	Certified	Category 3	146 Coral Dr	Yolo	No	4	0	1/17/2018	Grease Deposition (FOG)
SS	Sacramento Area Sewer District CS	5SSO10912	844448	Certified	Category 3		204081 Sacramento	No	4	0	12/28/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	844463	Certified	Category 3		204120 Sacramento	No	4	0	12/28/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	844427	Certified	Category 3		203819 Sacramento	No	4	0	12/26/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	844466	Certified	Category 3		203828 Sacramento	No	4	0	12/26/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	844396	Certified	Category 3		203834 Sacramento	No	4	0	12/26/2017	Debris-General
SS	Sacramento Area Sewer District CS	5SSO10912	844441	Certified	Category 3		203882 Sacramento	No	4	0	12/26/2017	Pipe Structural Problem/Failure
SS	South Placer Mud CS	5SSO11054	844349	Certified	Category 3	5502 Lea Ct Rocklin	Placer	No	4	0	12/25/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	844393	Certified	Category 3		202877 Sacramento	No	4	0	12/14/2017	Debris-General
SS	City of Stockton MUD CS	5SSO11433	842801	Certified	Category 3	525 El Camino Stockton Ca.	San Joaquin	No	4	0	12/13/2017	Root Intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	844459	Certified	Category 3		202761 Sacramento	No	4	0	12/13/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	844403	Certified	Category 3		202585 Sacramento	No	4	0	12/12/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	843308	Certified	Category 3		200808 Sacramento	No	4	0	11/20/2017	Debris-General
SS	Sacramento Area Sewer District CS	5SSO10912	843274	Certified	Category 3		200499 Sacramento	No	4	0	11/16/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	843258	Certified	Category 3		200128 Sacramento	No	4	0	11/12/2017	Debris-General
SS	Sacramento Area Sewer District CS	5SSO10912	843272	Certified	Category 3		199570 Sacramento	No	4	0	11/2/2017	Debris-General
SS	Sacramento Area Sewer District CS	5SSO10912	843298	Certified	Category 3		199520 Sacramento	No	4	0	11/1/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	845188	Certified	Category 3	206303	Sacramento	No	3	0	1/25/2018	Root intrusion
SS	City of Woodland CS	5SSO10903	844883	Certified	Category 3	16 Sutter St	Yolo	No	3	0	1/24/2018	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	845145	Certified	Category 3	206094	Sacramento	No	3	0	1/23/2018	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	845184	Certified	Category 3	205159	Sacramento	No	3	0	1/11/2018	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	845159	Certified	Category 3	204785	Sacramento	No	3	0	1/7/2018	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	845182	Certified	Category 3	204409	Sacramento	No	3	0	1/3/2018	Debris-General
SS	Sacramento Area Sewer District CS	5SSO10912	844443	Certified	Category 3		204236 Sacramento	No	3	0	12/30/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	844430	Certified	Category 3		204147 Sacramento	No	3	0	12/29/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	844473	Certified	Category 3		203778 Sacramento	No	3	0	12/26/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	844404	Certified	Category 3		203737 Sacramento	No	3	0	12/24/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	844454	Certified	Category 3		203684 Sacramento	No	3	0	12/22/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	844455	Certified	Category 3		203696 Sacramento	No	3	0	12/22/2017	Debris-General
SS	Easterly CS	5SSO10938	843076	Certified	Category 3	254 poplar st.	Solano	No	3	0	12/19/2017	Debris-Wipes/Non-Dispersables
SS	Sacramento Area Sewer District CS	5SSO10912	844439	Certified	Category 3		203334 Sacramento	No	3	0	12/18/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	844392	Certified	Category 3		202737 Sacramento	No	3	0	12/13/2017	Debris-General
SS	Sacramento Area Sewer District CS	5SSO10912	844470	Certified	Category 3		202716 Sacramento	No	3	0	12/13/2017	Operator error
SS	Sacramento Area Sewer District CS	5SSO10912	843282	Certified	Category 3		201568 Sacramento	No	3	0	11/30/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	843253	Certified	Category 3		201375 Sacramento	No	3	0	11/28/2017	Debris-General
SS	Sacramento Area Sewer District CS	5SSO10912	843304	Certified	Category 3		201105 Sacramento	No	3	0	11/25/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	843293	Certified	Category 3		200993 Sacramento	No	3	0	11/22/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	843290	Certified	Category 3		200968 Sacramento	No	3	0	11/21/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	843302	Certified	Category 3		200789 Sacramento	No	3	0	11/18/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	843267	Certified	Category 3		200194 Sacramento	No	3	0	11/13/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	843285	Certified	Category 3		200133 Sacramento	No	3	0	11/12/2017	Vandalism
SS	Sacramento Area Sewer District CS	5SSO10912	843306	Certified	Category 3		199618 Sacramento	No	3	0	11/3/2017	Debris-Rags
SS	Sacramento Area Sewer District CS	5SSO10912	843299	Certified	Category 3		199523 Sacramento	No	3	0	11/1/2017	Root intrusion
SS	City Of Antioch CS	5SSO10890	844379	Certified	Category 3	4002 Boulder Dr Antioch	Contra Costa	No	2	0	1/29/2018	Root Intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	845151	Certified	Category 3	205772	Sacramento	No	2	0	1/21/2018	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	845141	Certified	Category 3	204693	Sacramento	No	2	0	1/5/2018	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	845122	Certified	Category 3	204459	Sacramento	No	2	0	1/3/2018	Operator error
SS	Sacramento Area Sewer District CS	5SSO10912	844452	Certified	Category 3		204257 Sacramento	No	2	0	12/31/2017	Debris-General
SS	Sacramento Area Sewer District CS	5SSO10912	844429	Certified	Category 3		204235 Sacramento	No	2	0	12/30/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	844405	Certified	Category 3		204244 Sacramento	No	2	0	12/30/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	844474	Certified	Category 3		204006 Sacramento	No	2	0	12/28/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	844476	Certified	Category 3		204050 Sacramento	No	2	0	12/28/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	844475	Certified	Category 3		204016 Sacramento	No	2	0	12/28/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	844400	Certified	Category 3		203951 Sacramento	No	2	0	12/27/2017	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	5SSO10912	844417	Certified	Category 3		203449 Sacramento	No	2	0	12/19/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	844394	Certified	Category 3		203021 Sacramento	No	2	0	12/16/2017	Root intrusion
SS	Easterly CS	5SSO10938	843048	Certified	Category 3	137 McClellan st.	Solano	No	2	0	12/12/2017	Debris-Wipes/Non-Dispersables
SS	Sacramento Area Sewer District CS	5SSO10912	844410	Certified	Category 3		202475 Sacramento	No	2	0	12/11/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	844445	Certified	Category 3		202430 Sacramento	No	2	0	12/10/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	844398	Certified	Category 3		202261 Sacramento	No	2	0	12/7/2017	Root intrusion
SS	City of Stockton MUD CS	5SSO11433	842003	Certified	Category 3	1025 N. Edison St Stockton Ca	San Joaquin	No	2	0	11/30/2017	Debris from Lateral
SS	Sacramento Area Sewer District CS	5SSO10912	843270	Certified	Category 3		201094 Sacramento	No	2	0	11/25/2017	Vandalism
SS	Sacramento Area Sewer District CS	5SSO10912	843287	Certified	Category 3		201029 Sacramento	No	2	0	11/22/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	843310	Certified	Category 3		200870 Sacramento	No	2	0	11/20/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	843280	Certified	Category 3		200804 Sacramento	No	2	0	11/19/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	843286	Certified	Category 3		200399 Sacramento	No	2	0	11/15/2017	Root intrusion
SS	Deer Creek CS	5SSO10923	842004	Certified	Category 3	DC-2017-11-10	El Dorado	No	2	0	11/12/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	843275	Certified	Category 3		200102 Sacramento	No	2	0	11/10/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	843279	Certified	Category 3		200076 Sacramento	No	2	0	11/9/2017	Other (specify)
SS	Sacramento Area Sewer District CS	5SSO10912	843284	Certified	Category 3		199884 Sacramento	No	2	0	11/7/2017	Operator error
SS	Sacramento Area Sewer District CS	5SSO10912	843283	Certified	Category 3		199679 Sacramento	No	2	0	11/4/2017	Root intrusion
SF	Ford City-Taft Heights CS	5SSO10730	841330	Certified	Category 3	401 Monroe Street, Taft ,CA	Kern	No	2	0	11/2/2017	Debris-Rags
SS	Easterly CS	5SSO10938	844341	Certified	Category 3	730 Camellia Wy	Solano	No	1	0	1/29/2018	Root intrusion
SS	City Of Antioch CS	5SSO10890	844380	Certified	Category 3	4732 Vista Grand Antioch	Contra Costa	No	1	0	1/26/2018	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	845153	Certified	Category 3	206301	Sacramento	No	1	0	1/25/2018	Operator error
SS	Sacramento Area Sewer District CS	5SSO10912	845176	Certified	Category 3	206282	Sacramento	No	1	0	1/25/2018	Root intrusion
SS	City of Stockton MUD CS	5SSO11433	844366	Certified	Category 3	620 W. Vine St Stockton Ca.	San Joaquin	No	1	0	1/24/2018	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	845128	Certified	Category 3	206128	Sacramento	No	1	0	1/23/2018	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	845152	Certified	Category 3	206165	Sacramento	No	1	0	1/23/2018	Operator error
SS	Sacramento Area Sewer District CS	5SSO10912	845136	Certified	Category 3	205578	Sacramento	No	1	0	1/18/2018	Debris-General
SS	Sacramento Area Sewer District CS	5SSO10912	845131	Certified	Category 3	204853	Sacramento	No	1	0	1/8/2018	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	845147	Certified	Category 3	204788	Sacramento	No	1	0	1/7/2018	Debris-General
SS	West Sacramento CS	5SSO11082	843583	Certified	Category 3	1016 Rogers Street	Yolo	No	1	0	1/6/2018	Debris-Wipes/Non-Dispersables
SS	Sacramento Area Sewer District CS	5SSO10912	845149	Certified	Category 3	204452	Sacramento	No	1	0	1/3/2018	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	844412	Certified	Category 3		204083 Sacramento	No	1	0	12/28/2017	Root intrusion
SS	City of Stockton MUD CS	5SSO11433	842768	Certified	Category 3	1976 La jolla Dr.	San Joaquin	No	1	0	12/11/2017	Grease Deposition (FOG)
SS	City of Stockton MUD CS	5SSO11433	842730	Certified	Category 3	411 E. Flora Stockton Ca	San Joaquin	No	1	0	12/6/2017	Debris-General
SS	Sacramento Area Sewer District CS	5SSO10912	844414	Certified	Category 3		201669 Sacramento	No	1	0	12/3/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	843264	Certified	Category 3		201190 Sacramento	No	1	0	11/27/2017	Pipe Structural Problem/Failure
SS	El Dorado Hills CS	5SSO10941	842005	Certified	Category 3	EDH-2017-11-06	El Dorado	No	1	0	11/27/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	843260	Certified	Category 3		201108 Sacramento	No	1	0	11/26/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	843288	Certified	Category 3		200047 Sacramento	No	1	0	11/9/2017	Operator error
SS	Sacramento Area Sewer District CS	5SSO10912	843266	Certified	Category 3		199508 Sacramento	No	1	0	11/1/2017	Operator error
SS	Sacramento Area Sewer District CS	5SSO10912	843278	Certified	Category 3		199571 Sacramento	No	1	0	11/1/2017	Root intrusion