

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



**EXECUTIVE OFFICER'S REPORT
April 6/7, 2017**

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SUCCESS STORIES

Site Cleanup Program – SB445 Funding Awarded

- **Corning Groundwater Chlorinated Solvents, Tehama County:**

In 1992, the City of Corning Public Works Dept. reported pollution by tetrachloroethylene (PCE) at a concentration of 1 microgram per liter (ug/L) in their Houghton Avenue municipal supply well. The City took the well off-line as a precaution. PCE and other chlorinated ethenes have been detected in groundwater monitoring wells at underground storage tank cleanup sites along a densely populated one-mile section of Solano Avenue. The extent of the chlorinated ethene plume has not been defined. Vapor intrusion may also be a threat to nearby residents and businesses. Data required to develop a solution are lacking and timely action is needed to avoid emergency replacement of downgradient supply wells. Although several potential responsible parties have been identified, none have available funds for investigation or cleanup, nor do they have environmental impairment insurance coverage. Staff prepared a detailed scope of work, cost estimate, and Project Execution Plan (PEP) proposing passive and active soil vapor, soil, and groundwater investigation tasks. The contract amount authorized by the SWRCB Site Cleanup Subaccount Program (SCAP) is \$329,000. The SWRCB expects to select an environmental investigative consultant later in 2017.

SITE CLEANUP-SUCCESSFULLY CLOSED-NO FURTHER ACTION REQUIRED

- **Final Record of Decision for Site SD011, Beale AFB, Yuba County.**

In January 2017, the Record of Decision (ROD) for Site SD011 at Beale Air Force Base 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 excavation of lead-contaminated soil and offsite disposal as the final remedy. Site SD011 is the Aerospace Ground Equipment maintenance area including an active fueling station located near the flight line. Fuel-related compounds, volatile organic compounds (VOCs), and metals were released to soil as a result of surface spills and leaks from former underground storage tanks, oil-water separators, and vehicle wash racks. Soil vapor extraction and bioventing were performed as interim response actions to remediate VOCs and petroleum hydrocarbons in soil. The estimated volume of excavation is 50 cubic yards. The site will be considered suitable for unlimited use and unrestricted exposure upon completion of the remedy. Groundwater beneath the site is being addressed separately as part of basewide groundwater Site CG041.

- **Final Record of Decision for Site CG040, Beale AFB, Yuba County.**

In February 2017, the Record of Decision (ROD) for Site CG040 at Beale Air Force Base 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 selects no further action for soil, sediment, and surface water as the final remedy. Site CG040 is located west of the Cantonment Area and covers an area of approximately 630 acres. A portion of the site was historically used for military housing; however, no structures remain except roads, underground infrastructure such as sewer lines, and a few buildings at the eastern edge of the site. The remainder of the site is open annual grassland with a few trees. Low levels of polycyclic aromatic hydrocarbons (PAHs) and/or lead were identified in surface soil and surface water in localized areas; however, a site-specific risk management decision was made that no action is necessary based on their extent and risk to human health and the environment. The site is now considered suitable for unlimited use and unrestricted exposure. Two other sites within the boundary of CG040, Site TU001 (J Street Gas Station) and Site SS043 (Building 469 Loading Dock and Railroad Track Off-Loading Area), are being investigated separately. Groundwater underlying Site CG040 is being addressed separately as part of basewide groundwater Site CG041. [MWC]

- 249 West Eighth Avenue Chlorinated Ethenes, Butte County**
 The case is a former Caltrans maintenance shop and fueling facility which ceased operations at in 1968. The shop building was later used by an automobile repair hobbyist. The current owner plans to construct an apartment complex on the Site. In May 2015, as part of a property transaction, a shallow soil and soil vapor survey of the UST area reported benzene greater than screening levels for vapor intrusion hazards. Butte County referred the case to Central Valley Water Board in March 2016. Central Valley Water Board staff oversaw an investigation of the extent of pollution which detected vinyl chloride, perchloroethylene, and trichloroethylene in soil at concentrations exceeding screening levels for vapor intrusion hazards. However, subsequent investigations indicated that the chlorinated ethene impacts were localized and did not extend beneath the proposed residential structures. Staff closed the SCP case in February 2017.
- Huss Lane Bus Facility, Case, Butte County**
 The subject case is a 10.5-acre Butte Regional Transit bus maintenance facility owned by Butte County Association of Governments (Discharger). During remodeling of the facility, pollution by diesel range and motor oil range organics was observed in an infiltration gallery which received discharge from an oil-water separator. In May 2016, the Discharger conducted an investigation which determined that the pollution was limited to the infiltration gallery drain rock and did not extend into the underlying soil. In October 2016, the Discharger decommissioned the oil-water separator and infiltration gallery, which included the removal and off-site disposal of approximately 216 tons of soil. Verification sampling did not detect petroleum hydrocarbons or volatile organic compounds in the sidewalls or base of the excavation which extended up to 8 feet bgs. The investigation and OWS removal did not encounter groundwater (estimated to be 8 to 20 feet bgs). Staff closed the case in March 2017.

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

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

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

a) FRESNO OFFICE

- Goshen Travel Plaza (Formerly Fast Break Food Store), 30821 Highway 99, Goshen, Tulare County**
 The site is a convenience store with retail motor fuel sales. Gasoline USTs and product piping were removed in 1992. Analytical results of soil samples indicated impact to soil, and an unknown volume of impacted soil was excavated and disposed of offsite.

Four groundwater monitoring and two soil vapor extraction wells were installed, and limited soil impact was detected up to 21 feet below ground surface, and trace concentrations were sporadically detected to 76 feet bgs. No free product was documented in groundwater beneath the Site. Groundwater monitoring wells sampled during the last four sampling events did not indicate petroleum hydrocarbons exceeding their detection limits.

A one day SVE pilot test during November 1999 removed an estimated 36 pounds of gasoline from the subsurface. Drinking water is supplied by the Cal Water Service. The closest municipal well is 3,700 feet from the Site. There are three other wells within 2,000 feet of the Site, the closest of which is 600 feet.

Any remaining petroleum hydrocarbons at the Site should continue to naturally attenuate and should not adversely impact environmental quality, the beneficial uses of groundwater, or pose an unacceptable risk to human health. The case was closed on 7 February 2017 in accordance with criteria contained in the *Low-Threat UST Case Closure Policy*.

- **M.U.S.D. Transportation Department, 1000 West Olive Avenue, Madera, Madera County**

The site is owned by the Madera Unified School District (M.U.S.D.) and is occupied by paved parking and lawn areas, with no occupied structures or other improvements. There are no existing water supply wells or surface water bodies within 1,000 feet of the Site. Depth to groundwater beneath the Site was measured at 120 feet below ground surface (bgs) in December 2015.

Three USTs and associated fuel dispensers, located in the northeast corner of the Site were removed in December 1998 with oversight by the Madera County Resource Management Agency, Environmental Health Department (MCEHD). A hole was observed in the bottom of one of the USTs. Soil samples collected from beneath the former USTs indicated concentrations of TPHg as high as 8,400 mg/kg and concentrations of TPHd as high as 20,000 mg/kg.

Subsurface soil investigations were conducted in April 1999 and May to July 2014 within and around the former UST and fuel dispensers' location. The investigation determined that soils impacted by the release are within an area centered on the former dispenser locations and do not extend offsite. The highest concentrations of petroleum product constituents in soil occur at approximately 20 feet bgs and the average thickness of the impacted soil is approximately 30 feet. The mass of petroleum product remaining in soil beneath the Site is estimated to be about 30,700 pounds equivalent to about 5,000 gallons of gasoline.

Groundwater monitoring was performed using one monitoring well from November 2001 to June 2003. Additional groundwater monitoring was performed from May until December 2015 using a network of four monitoring wells. This work detected only slight concentrations of petroleum hydrocarbons in groundwater on four occasions, and non-detect during the two most recent monitoring events.

Remaining petroleum hydrocarbons in soil and groundwater beneath the Site should continue to degrade naturally, and should pose no significant threat to human health and safety, groundwater beyond the Site, or to the environment. The case was closed 22 December 2016 pursuant to the closure criteria under the State Water Resources Control Board's *Low-Threat Underground Storage Tank Case Closure Policy*, adopted in May 2012.

- **Chaney Property, 20194 Laurel Avenue, Stratford, Kings County**

The Site is unoccupied but once contained an automotive service station which was closed prior to 1989. The Site is located in an area of commercial and residential development in the east central portion of the City of Stratford. The nearest water supply well is approximately 1,200 feet north-northeast, and the nearest surface water, the Stratford Canal, is 1,050 feet due east.

Five USTs were removed in May 1989, with oversight by Kings County Environmental Health Services Division (KCEHSD). Analytical results of soil samples from the excavation indicated concentrations of TPHg, as high as 5,300 mg/kg, and results of a groundwater sample from the excavation indicated concentrations of TPHg at 97,000 µg/L. On 14 June 1989, KCEHSD transferred regulatory oversight of the case to the Central Valley Regional Water Quality Control Board (Central Valley Water Board).

Groundwater monitoring of four onsite wells was conducted in 2003, 2010, and most recently between March 2013 and August 2015, with the depth to groundwater at between four and seven feet bgs. Groundwater analytical results have indicated the presence of significant concentrations of petroleum constituents in the wells nearest the source area, but non-detect in samples from the more distant wells.

In January 2014, a soil, soil vapor, and groundwater investigation was conducted to assess the extent and concentration of petroleum hydrocarbon contaminants in shallow soil; evaluate the potential for contaminant vapor intrusion to pose a human health risk, and to further evaluate the extent of contaminant migration in

groundwater. Analytical results of soil vapor samples taken were analyzed for benzene, ethyl benzene, and naphthalene, and indicate there is no significant risk to human health.

During the period 2 June to 7 July 2015, remedial excavation removed and disposed of approximately 130 cubic yards of soil impacted petroleum product, equivalent to approximately 30 pounds of petroleum product. Remaining petroleum hydrocarbons in soil and groundwater beneath the Site should continue to degrade naturally, and should pose no significant threat to human health and safety, groundwater beyond the Site, or to the environment. The case was closed 23 January 2017 pursuant to the closure criteria under the State Water Resources Control Board's *Low-Threat Underground Storage Tank Case Closure Policy*, adopted in May 2012.

- **Blue Family Lp, 3080 East Olive Avenue, Fresno, Fresno County**

The Site is a former service station building that is currently used for retail sales as a mini-mart store, in an area of residential, commercial, and light industrial development. The nearest water supply wells are more than 1,000 feet from the Site. Groundwater is estimated to be approximately 110 feet bgs beneath the Site, and flows toward the northwest. There are no surface water bodies within 1,000 feet of the Site.

On 26 July 2016, a waste oil UST and fuel delivery plumbing associated with previously removed gasoline USTs and dispensers were removed from the Site. Analytical results of soil samples collected from beneath the waste oil UST (source area) indicated concentrations of petroleum hydrocarbon constituents in subsurface soil at 10 feet bgs. The Fresno County Division of Environmental Health (FCDEH) issued an Underground Storage Tank Unauthorized Release (Leak)/Contaminated Site Report on 10 August 2016, and referred the case to the Central Valley Regional Water Quality Control Board (Central Valley Water Board) for regulatory oversight.

A soil assessment investigation was conducted in August and September 2016 at the direction of the Central Valley Water Board. The investigation determined the presence of approximately 79 pounds of motor oil in the subsurface soil between 3 and 23 feet bgs, within the area of the former waste oil UST.

Remaining petroleum hydrocarbons in soil beneath the Site should continue to degrade naturally, and should pose no significant threat to human health and safety, groundwater beyond the Site, or to the environment. The case was closed 15 February 2017 pursuant to the closure criteria under the State Water Resources Control Board's *Low-Threat Underground Storage Tank Case Closure Policy*, adopted in May 2012.

b) **REDDING OFFICE**

- **249 West Eighth Avenue USTs and Chlorinated Ethenes, Case 40303, Butte County**

The subject case is a former Caltrans maintenance shop and fueling facility with one 750-gallon unleaded gasoline underground storage tank (UST) and one 500-gallon leaded gasoline UST. Caltrans ceased operations at the property in 1968, and abandoned the USTs in place by backfilling with concrete prior to promulgation of UST regulations. The shop building was later used by an automobile repair hobbyist. The current owner plans to construct an apartment complex on the Site. In May 2015, as part of a property transaction, a shallow soil and soil vapor survey of the UST area reported benzene at concentrations exceeding screening levels for vapor intrusion hazards. Butte County Department of Environmental Health referred the case to Central Valley Water Board in March 2016. Staff requested an investigation of the extent of pollution. The investigation determined that the benzene impacts were localized and did not extend beneath the proposed residential structures. Staff closed the UST case in February 2017.

- **Brandy Creek Marina, Case 450362, Whiskeytown, Shasta County**

In April 1999, Shasta County Environmental Health Division oversaw removal of a 2,500-gallon UST at the site. No evidence of a release was observed. The case remained open because a manifest for disposal of the tank rinseate, sludges, and residual liquids was not submitted to the County. The case transferred to Central Valley Water Board in 2013. Attempts to obtain the missing manifest were unsuccessful. Based on the County inspector's observations during tank removal, the site poses minimal risk of migration and exposure to the public. Staff closed the case in January 2017.

c) **SACRAMENTO OFFICE**

• **Altaville Forest Fire Station, 125 North Main Street, Altaville, Calaveras County**

The Site's former UST system was removed from the Site in 1998 and the Site currently consists of several storage buildings, barracks, and above ground storage tanks (ASTs) containing both diesel and gasoline fuels. About 100 pounds (15 gallons) of petroleum hydrocarbons were removed through natural attenuation. Geocon estimates that less than 1 pound of petroleum hydrocarbons remain in groundwater at the Site. The residual petroleum hydrocarbons area expected to attenuate without impacting sensitive receptors. The nearest domestic wells and surface water bodies are approximately 1,000 feet from the Site. Additional active remediation and monitoring are not warranted, and Central Valley Water Board staff concurs with Geocon's recommendation for regulatory closure in accordance with the Policy.

• **CHP Mariposa Facility, 5264 Highway 49 North, Mariposa, Mariposa County**

The Site's former UST, dispenser, and associated piping were removed from the Site during April 2004 and were replaced with an AST system. The Site is currently in use as an active fuel service station for the CHP. About 170 pounds (25 gallons) of petroleum fuel were removed from the Site during the excavation and removal of the UST, dispenser, and associated piping. The extent of the residual petroleum plume is defined and concentrations in groundwater are expected to fall below established WQOs without impacting human health or the environment. Mariposa Creek is located about 1,400 feet downgradient of the Site. The nearest production wells are about 600 feet downgradient from the Site and samples collected from these wells indicate that they are not impacted by petroleum hydrocarbons; therefore, the remaining petroleum constituents are unlikely to pose a threat to human health or further impact waters of the State as they attenuate. Consequently, the cost associated with additional active remediation and monitoring is not justified, and Central Valley Water Board staff concurs with URS's recommendation for regulatory closure as a low-threat site.

• **Former Rancho Monticello Marina, 6590 Knoxville Road, Napa, Napa County**

In March 1986, a release was reported due to visual observation of petroleum hydrocarbons. Multiple phases of investigation and groundwater monitoring were conducted between March 1986 and November 2015. Secondary source removal consisted of soil aeration during excavation and removal of the product lines. Due to the steep slope, excavation and access to the source area were limited. Based on decreasing concentrations in groundwater, natural degradation appears to have reduced the contaminant mass. Maximum pollutant concentrations in groundwater are below water quality objects, making the length of the pollutant plume that exceeds WQOs 0 feet. The nearest surface water body is Lake Berryessa 50 feet to the east, and the closest water supply well is greater than 1,000 feet from the Site. Decreasing concentrations trends were observed in Site wells. Initial mass released is estimated to be about 950 pounds, and mass remaining is estimated to be approximately 210 pounds. The Site meets the general and media specific criteria for case closure under the Low Threat Closure Policy. The Site is currently vacant and anticipated future land use includes a marina and camp ground. The site was closed on 8 February 2017.

• **Former Mcclish Property, 800 East Grant Avenue, Winters, Yolo County**

The Site is a portion of the 580-acre parcel, just south of the farm house. The Site has several old farm outbuildings, with a new residential development adjacent to the west boundary, and farm fields to the south and east. In September 1997, a gasoline UST and associated dispenser were removed. In 2013 and 2014 Phase I and Phase II investigations were conducted and petroleum hydrocarbons were detected in soil and groundwater near the former UST. Soil and groundwater investigations were conducted in 2015 and petroleum hydrocarbons were not detected in the on-Site domestic water supply well and irrigation well. Results of the investigations indicated no active remediation was needed, and human health and groundwater resources are not threatened by the remaining, naturally attenuating, plume of petroleum hydrocarbons. No comments were received during the mandatory public participation comment period. After a period of groundwater monitoring, site conditions met the criteria for closure under the LTCP. The Site was closed on 13 February 2017.

• **Former D & C Market, 2757 Highway 20, Marysville, Yuba County**

The Site is currently a vacant lot. In September 1992, petroleum hydrocarbons were detected when two USTs and associated dispensers were removed. In July 1994, petroleum hydrocarbons were detected in

groundwater and from 2001 through March 2015 soil and groundwater investigations were conducted, and active remediation using dual-phase extraction removed approximately 86 pounds of petroleum hydrocarbons. Petroleum hydrocarbons were not detected in water samples collected from the on-Site and the four nearest water supply wells, thus, water supply wells are not threatened by the remaining, naturally attenuating, plume of petroleum hydrocarbons. No comments were received during the mandatory public participation comment period. After a period of groundwater monitoring, site conditions met the criteria for closure under the LTCP. The Site was closed on 13 February 2017.

c) **Local Agency UST Closures with Concurrence of Board Staff**

Sacramento County

- Chevron Station #9-8977, 2449 Northgate Boulevard, Sacramento, CA
- 7-Eleven Store #37620, 2401 Fruitridge Road, Sacramento, CA

STAFF RECOGNITION

SUPERIOR ACCOMPLISHMENT AWARDS

At the February 23/24, 2017 Board Meeting, Executive Officer Creedon presented Superior Accomplishment Awards to the following staff:

Candidate: Doug Barber
Unit: NPDES Unit, Redding Office
Title: Water Resources Control Engineer
Supervisor: Jeremy Pagan

Doug Barber is a Water Resource Control Engineer working in the Redding office's NPDES Unit. Doug has been with the Water Board for just over two years; he previously worked as a wastewater engineer for a large consulting firm.

Doug does a tremendous job balancing his work load and various demands for his time while making key contributions to the NPDES Unit, including writing NPDES permits, conducting compliance inspections, pursuing enforcement actions, and participating in public outreach activities.

During 2016, Doug renewed three NPDES permits, in addition to managing other components of the NPDES program workload. Because of Doug's ability to cultivate good working relationships with Dischargers and other stakeholders, the NPDES permits for the Sewerage Commission - Oroville Region, the City of Corning, and the City of Willows were developed efficiently, were uncontested, and were adopted on schedule. Writing three individual NPDES permits in a single calendar year, while also performing other case management, and compliance/enforcement activities, is an exceptional accomplishment and is a testament to Doug's ability to work efficiently and manage competing priorities.

Doug routinely conducts site visits and compliance inspections and maintains a positive, professional, and helpful demeanor. Doug makes it a priority to visit and inspect his sites frequently to catch problems early, and ensure that the regulated community is aware of our field presence, and our availability to help work through problems.

Doug has written numerous Notices of Violations and is currently working on an Administrative Civil Liability Complaint against a Discharger for a high volume sanitary sewer overflow which discharged to surface water.

Doug is dependable, hardworking, ambitious, and consistently exceeds expectations. Doug is a team player and valuable staff person who plays a significant role in the Redding office's NPDES Unit. His contributions to the unit and to the Central Valley Water Board are most appreciated.

Candidate: Jennifer Haynes-White and Daniel Davis
Unit: Confined Animal Facilities Regulatory Unit
Title: Engineering Scientist (Jennifer), Engineering Geologist (Daniel)
Supervisor: Charlene Herbst

Jennifer Haynes-White and Daniel Davis have demonstrated superior job performance conducting complex and challenging tasks within the Confined Animal Facilities Regulatory Unit.

Over the past five years, Jennifer has done excellent work developing enforcement actions, including Cleanup and Abatement Orders and Administrative Civil Liability Complaints, for a variety of violations, most recently in connection with a dairy lagoon failure which flooded a nearby neighborhood. She worked extensively on the final stages of the recently adopted Poultry General Order, including preparing responses to comments and incorporating last-minute changes to the Order. Jenn's inspection reports are well-written and extensively documented with photographs, and she has taken the lead in oversight of the reviews of annual reports. Jenn is always willing to take on additional assignments and assist in the tracking and routine enforcement for failure to file documents that is an integral part of regulating 700 dairies.

Daniel's experience in groundwater and geochemistry has made him an invaluable resource for the Confined Animal Facilities Unit during his eight and one half years with the Unit. He recently researched and wrote the Well Design and Destruction section for the Groundwater Quality Protection Strategy, including contacting all counties in the region to determine their approach to well regulation. Daniel analyzes groundwater conditions and chemistry for the Unit's enforcement cases, and provides expert advice to other staff on the meaning behind observed groundwater sampling results. This work is in addition to his normal caseload of inspections and resulting enforcement actions.

Both Jenn and Daniel are extremely dedicated employees who, in addition to long hours in the field, are willing to put in extra efforts in the office to support the Unit's enforcement cases. They handle a high volume of complex and often stressful work with dedication and professionalism. Jenn and Daniel are great assets to the Confined Animal Facilities Unit and to the Region as a whole.

EMPLOYEE OF THE MONTH RECOGNITION

SACRAMENTO OFFICE JANUARY 2017

Candidate: Ruben Mullins
Unit: Investigation, Cleanup, and Enforcement Unit 1
Title: Scientific Aid
Supervisor: Joe Mello

Rubin Mullins works in the Investigation, Cleanup and Enforcement Unit in Rancho Cordova. Rubin is being recognized with this award because of his consistent and positive contributions that include completing tasks with exceptional care, accuracy, and efficiency, along with taking on more complex tasks, and working independently, with minimal guidance.

At the request of the enforcement coordinator for the Underground Storage Tank program, Ruben developed an Excel spreadsheet to track enforcement orders that will automatically send e-mail reminders to reviewers and the Enforcement Coordinator. He has been extremely valuable in providing support to the Unit by conducting numerous tasks making line-staff time more effective. Such tasks include coordinating services with analytical laboratories, consultants, and representatives of County Environmental Health Departments. Ruben is responsive to requests and completes his tasks in a prompt and thorough manner. Moreover, he is great at trouble shooting problems and reasoning through new situations.

Candidates: Michael Sekigahama, Paige FitzGibbon and Matt Krause
Unit: SWAMP
Title: Scientific Aid
Supervisor: Anne Littlejohn

Paige, Matt and Michael are valuable members of the SWAMP program and are being recognized for going above and beyond their normal duties by helping to tackle two backlogged projects.

The first project was addressing a large backlog of Title 22 monitoring water quality data collected as part of recent Board Basin Planning efforts. Paige, Matt and Michael have been instrumental in preparing 18 months of lab report data into formatted spreadsheets that can be used for CEDEN submittal. This effort involves tirelessly reviewing and verifying thousands of data records and providing the proper quality control information. Through this process, these SWAMP team members helped to develop and troubleshoot timesaving Excel templates and macro programs.

The second project was a huge (and stinky!) backlog of bacteria processing trays. The trays are a result of E. coli and total coliform analyses conducted by SWAMP staff and they require sterilization before disposal. Due to equipment issues, the lab autoclave was out of commission and the SWAMP program accumulated over 6 months' worth of trays that needed to be processed. Once the autoclave was in working condition, Paige, Matt

and Michael tested different methods to maximize performance and sterilized all of the trays, bundle by bundle. SWAMP's tray backlog was cleaned out in record-setting time and the lab smells a lot better now!

Along with all of their other responsibilities, Paige, Michael and Matt worked on these projects with great enthusiasm and attention to detail. They are hard-working, positive and respectful people and it is an honor to have them as part of our SWAMP team. For these reasons and many more, they are deserving of recognition.

**FRESNO
JANUARY 2017**

Candidate: Nicolette Dentoni
Unit: NPDES Permitting
Title: Water Resource Control Engineer
Supervisor: Matt Scroggins

Nicolette has worked for the Central Valley Water Board as an engineer in the NPDES Permitting Unit for approximately 1.5 years. In that time, Nicolette has established herself to be a valuable employee and an asset to the Board.

Nicolette quickly came up to speed on the intricacies of the NPDES permitting program. Her diligence, efficiency, and ability to rapidly synthesize information led to the uncontested adoption of her first NPDES permit approximately nine months after starting with the Water Board. In addition, she reviewed numerous technical reports, performed several compliance inspections, served a key role in an ongoing permit lawsuit, and conducted various other important activities related to the NPDES program. Nicolette consistently produces high quality work products that are very well organized and need little revision, which greatly contribute to overall unit efficiency.

Nicolette is a pleasure to work with and has proven she can get the job done. Her dedication to the Board's mission is evident and much appreciated. For these reasons and more, Nicolette is very deserving of the Employee Recognition Award.

**REDDING OFFICE
JANUARY 2017**

Candidate: Ashley Worth
Unit: Cannabis Regulatory and Enforcement Unit, Redding
Title: Environmental Scientist
Supervisor: Griffin Perea

Ashley is being nominated for her continued contributions to the Cannabis Unit and to the Redding office as a whole. Ashley was hired in the fall of 2014 as an Environmental Scientist for the Redding Cannabis Unit and immediately began demonstrating an outstanding work ethic and willingness to tackle complex issues.

Ashley oversees both enforcement actions and permitting of cannabis cultivation sites in the Central Valley Region and has helped to build the Cannabis unit and program. Ashley has consistently demonstrated a high level of technical aptitude and enthusiasm for the work done by the Board. Ashley has been an integral part of the Cannabis program development and has been involved with all aspects of the program, including identifying sites, leading field inspections, conducting formal enforcement, participating in public outreach events, creating program guidelines, and performing permitting activities. In addition to the core program responsibilities, Ashley has been involved with several other projects in the Redding office, including the Harmful Algal Bloom efforts and emergency spill response.

Ashley's willingness to learn and tackle new problems is second to none and she has quickly become a "go to" person in the office. Ashley has consistently exceeded expectations, developed good working relationships with the regulated community, and has been a valuable team player. Ashley is highly respected within the Central Valley Water Board and her positive attitude and work ethic has greatly benefited the Cannabis Unit and the Redding office as a whole. Ashley's contributions to the Cannabis Unit and the Central Valley Water Board are greatly appreciated.

EMPLOYEE OF THE MONTH AWARD

FRESNO OFFICE FEBRUARY 2017

Candidate: Jan Alfson
Unit: Site Cleanup/DOD
Title: Engineering Geologist
Supervisor: Russell Walls

Jan's consistently high output and professional work product greatly contributes to the success of the Site Cleanup Program and our organization.

During the previous month, project tasks that were completed include:

1. Completed no further action required letter and memorandum for Teasdale Quality Foods; and
2. Completed Public Notices for proposed site closure of the Foster Farms-Applegate Ranch and the Foster Farms-Lincoln Ranch sites; and
3. Reviewed and completed letters on technical assessment reports on the following sites: Chevron-Antelope and Bakersfield Refinery; and
4. Completed letters that requested work plans for additional assessment and/or remediation at the following sites: Foster Farms-Highway 140 Ranch Complex, PG&E-Merced facility, Star Robinson Lease, and Wingate Chemical; and
5. Reviewed and completed letters on work plan submittals for the following sites: Beacon Refinery (former), Central Valley Ready Mix, and Mobil M-1 Pipeline Corridor; and
6. Completed letter to California Resources Corporation that requested it sign up for the Board cost recovery program for the Star Robinson Lease.

Jan maintains a positive and professional demeanor. He willingly works on any project he is given and always meets deadlines. Jan is a very consistent and reliable employee. Jan's recent and sustained efforts in the performance of his assigned duties make him a valuable addition to our organization.

SACRAMENTO OFFICE FEBRUARY 2017

Candidate: Yared Kabede
Unit: Irrigated Lands Regulatory Program
Title: Environmental Scientist
Supervisor: Susan Fregien

Yared is recognized for two recent assignments involving extensive evaluations of pesticide data acquired from DPR.

In the first task, Yared produced a step-by-step example of the Pesticides Evaluation Protocol. This involved downloading and evaluating more than 45,000 pesticide use records. This required careful, accurate work and developing a user-friendly guidance.

In the second task, Yared downloaded and analyzed more than 17,000 pesticide use records to compare pesticide applications by growers in two watershed areas. He prepared multiple tables comparing pounds of chemical used that will enable the program to compare use across different crops in the watersheds.

Yared built on his substantial Excel skills utilizing statistical tools to successfully complete these tasks. His attention to detail, willingness to take on challenging tasks, and self-motivation are greatly appreciated.

Yared has worked very hard to improve a variety of skills that benefit our work in the Irrigated Lands Program, including many classes that are directly applicable (e.g., Database Management, Spreadsheet Analysis, ArcGIS). Yared can be relied on to complete his work accurately and timely which is a great benefit to his supervisor. Yared is very deserving of the employee of the month award.

Candidate: Natasha Vidic
Unit: Title 27 Permitting and Mining Unit
Title: Engineering Geologist
Supervisor: Marty Hartzell

Natasha Vidic is an Engineering Geologist in the Title 27 Permitting and Mining Unit in the Sacramento Office. Since joining the Title 27 Unit, Natasha has become the lead staff for mine sites in our southern area of coverage and for a few additional mines in the Clear Lake area. Natasha has been busy getting acquainted with these mine sites including mine site visits and meeting with the owner and operators to learn their mining and/or remediation processes, and has quickly come up to speed on multiple, complicated mine sites.

One of Natasha's mine sites is the Jamestown Mine in Tuolumne County where the Central Valley Water Board oversees a financial trust for management of this closed mine site. Natasha has taken the initiative to provide a thorough review of the expenditures for the Jamestown Mine site, and has been working with the Board's trustee to implement a more efficient payment and accounting process.

Natasha works well with staff, dischargers, and consultants, she is courteous and professional, and always has a positive, team-orientated attitude. For all this and more, Natasha is well-deserving of the Employee of the Month award.

**REDDING OFFICE
FEBRUARY 2017**

Candidate: Rebecca L. Tabor P.E.
Unit: WDR Unit
Title: Water Resource Control Engineer
Supervisor: George R. Low, P.G.

Currently Rebecca manages 67 permitted facilities under both individual and general order WDR's. Her additional duties within the WDR unit also include being the County representative for Siskiyou and Tehama Counties. As such she is responsible for reviewing and responding to CEQA documents and complaints associated with activities within those counties.

Rebecca's recent accomplishments include the recent adoption of a WDR and Resolution adopting an Initial Study/Mitigated Declaration for expansion of a land application area associated with a food processing facility for which we were the lead CEQA agency. Additionally she has also completed another WDR which is tentatively scheduled to be adopted at the April 2017 BM. Rebecca diligently works in reviewing her case files and over the past year has worked to reduce here permit backlog by utilizing available General Orders or rescinding WDRs that are no longer required.

She has always been responsive and professional when working with our dischargers and the public. Most recently she has had to manage a series of complaints associated with one of her facilities from a very vocal resident in the community. Rebecca handled the complaint with a very calm and professional demeanor while working with both the discharger and the complainant to come to a resolution that satisfied all parties involved.

Rebecca is also very ambitious and does not shy away from challenges that she may face. In fact she often seeks out these challenges. For example this past year she has volunteered to take on the development of one of three General Orders that the Central Valley Water Board will be developing.

Rebecca continues to be a positive, punctual, consistent, well organized, and thorough in her work. Her ambitious attitude, strong work ethic, and dedication are appreciated by all. The Redding office greatly benefits from Rebecca's dedication and hard work within the WDR Unit.

Performance Targets

Performance measurement and reporting is an important component of a complete system of performance management needed to demonstrate how well programs or strategies are working and why. Information obtained through better performance measurement and program evaluation provides insight that enables us to understand and replicate successes, and continuously improve programs. To this end, the Water Boards establish annual performance targets for key output measures. In effect, these targets are goals that establish measurable levels of performance to be achieved within a specified time period. The Water Board has a systematic target setting approach for several of its programs. Using this new method, performance targets are based on available resources and uniform cost factors for key workload outputs. This target setting approach is described in the link below and was used to develop the FY 2016-2017 performance targets http://www.waterboards.ca.gov/about_us/docs/resource_alignment_report.pdf.

Below is the Region 5 Performance Measurement Summary for the 2016-17 fiscal year. This report was produced with data through 67% of the current fiscal year.						
Region 5 Performance Measurement Summary from 1 July 2016 to 3 March 2017						
Programs	Original Target	* Actuals: Permits or Facilities Inspected	% Complete = Actuals/Original Target	Revised Target	** Total # of Inspections Performed	Comments
NPDES Wastewater						
Major Individual Permits Issued, Revised, and Renewed	5	3	60%	n/a	n/a	The majority of NPDES permits are scheduled for the latter half of the fiscal year.
Major Individual Facilities Inspected	25	11	44%	n/a	11	The majority of NPDES inspections are scheduled for the latter half of the fiscal year.
Minor Individual Permits Issued, Revised, and Renewed	11	3	27%	n/a	n/a	The majority of NPDES permits are scheduled for the latter half of the fiscal year.
Minor Individual Facilities Inspected	16	8	50%	n/a	8	The majority of NPDES inspections are scheduled for the latter half of the fiscal year.
Minor General Enrollees Facilities Inspected	0	0	N/A	n/a	0	
Waste Discharge to Land – Wastewater						
Municipal Waste, Industrial Waste, and All Other Facilities - Permits Past Review Date Updated	25	13	54%	24	n/a	In the first half of the fiscal year staff have been reviewing Local Area Management Plans (LAMPs) submitted by local agencies in response to the Onsite Wastewater Treatment systems (OWTs) policy. Staff still anticipate meeting the current fiscal year's permitting target.
Municipal Waste, Industrial Waste, and All Other Facilities - Number of Inspections	165	108	72%	n/a	119	
Land Disposal						
Landfills Permits Issued, Revised, and Renewed	11	4	36%	n/a	n/a	It is anticipated that the target will be met.
Landfill Inspections	104	55	66%	n/a	69	
All Other Permits Issued, Revised, and Renewed	2	2	100%	n/a	n/a	
All Other Inspections	20	24	140%	n/a	28	
NPDES Storm Water						
Stormwater Construction Inspections	385	251	85%	n/a	327	An increased number of inspections are being performed in response to the exceptionally wet winter season.
Stormwater Industrial Inspections	195	138	72%	n/a	140	
Stormwater Municipal Inspections	0	0	N/A	n/a	0	
Other Programs						
Forest Activities Inspections	166	83	52%	n/a	87	It is anticipated that the target will be met.
Confined Animal Facility Inspections	280	150	60%	n/a	169	Staff is accelerating inspections during the rainy season and anticipate meeting the target.
Clean Up						
New DoD Sites Into Active Remediation	15	2	13%	n/a	n/a	A large percentage of DoD sites are scheduled to initiate remediation in the fourth quarter of the current fiscal year.
New SCP Sites Into Active Remediation	84	17	20%	n/a	n/a	A large percentage of SCP sites are scheduled to initiate remediation in the fourth quarter of the current fiscal year.
Cleanup Program Sites Closed	68	67	99%	n/a	n/a	A significant number of sites at the McClellan AFB that were targeted for closure in the 15/16 fiscal year were closed early in the 16/17 fiscal year.
New UST Sites Into Active Remediation	29	23	79%	n/a	n/a	
Underground Storage Tank Sites Closed	80	57	71%	n/a	n/a	
* Actuals: Number of facilities inspected or permits issued.						
** Total #: Number of inspections completed including all reinspections.						

ENFORCEMENT

The Central Valley Regional Water Quality Control Board's ultimate goal in using its enforcement authority is to ensure dischargers achieve compliance. Enforcement serves as a critical ingredient to encourage the regulated community to anticipate, identify, and correct violations. Appropriate consequences, including civil liabilities for violations offer some assurance of equity between those who choose to comply with requirements and those who violate them.

This section of the Executive Offer's Report (EO Report) is intended to inform the Board and the public on enforcement efforts since the last EO Report was issued. For this reporting period, the following sections provide: a summary of formal enforcement actions; and, a table of formal and informal enforcement actions.

Orders Issued or Adopted – Enforcement Table 1, provides a summary of Formal Enforcement Actions (Cleanup and Abatement Orders; Cease and Desist Orders; 13267 Investigative Orders; and Administrative Civil Liability Complaints and Orders) that have been taken 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 (24 January 2017 through 3 March 2017)

Action Date	Agency	County	Notes
1/24/2017	Konark Ranches, LLC	Kern	Administrative Civil Liability (ACL) Complaint R5-2017-0502 issued in the amount of \$70,070 for failure to submit a Report of Waste Discharge (RoWD) for coverage under the Irrigated Lands Regulatory Program (ILRP) as required under Water Code section 13260. A hearing for this ACL is scheduled for 6/7 April 2017 before the Central Valley Regional Water Quality Control Board (Central Valley Water Board).
1/26/2017	Collins Pine Company, Chester	Plumas	ACL Order R5-2017-0501 adopted in the amount of \$3,000 for one mandatory minimum penalty (MMP) effluent violation that occurred on 12 January 2016.
2/6/2017	SimonCRE Raylan III, LLC	Amador	ACL Order R5-2016-0569 adopted in the amount of \$55,297 for violations of the <i>General Permit for Storm Water Discharges Associated with Construction and Land Disturbance Activities, Order 2009-0009 DWQ</i> at the Dollar General construction project in Pioneer.
2/15/2017	RELP Metro, LLC	Sacramento	Offer to Settle Administrative Civil Liability in the amount of \$214,920 for alleged violations of the <i>General Permit for Storm Water Discharges Associated with Construction and Land Disturbance Activities, Order 2009-0009 DWQ</i> at the Metro Airpark.

Enforcement Table 1 (cont.)

Action Date	Agency	County	Notes
2/23/2017	William and Maria Egleston	Merced	ACL Order R5-2017-0005, adopted in the amount of \$23,716, replaces ACL Complaint R5-2016-0542 for failure to obtain Coalition membership or submit a RoWD as required by Water Code section 13260 in a timely manner. The required RoWD was 491 days past due when the Dischargers obtained regulatory coverage.
2/23/2017	Victor Produce, Inc.	Merced	ACL Order R5-2017-0009, adopted in the amount of \$35,490, replaces ACL Complaint R5-2016-0550 for failure to submit the 2015 Farm Evaluation as required by the East San Joaquin Order. As of 8 August 2016, this Farm Evaluation was 160 days past due.
2/23/2017	Singh Farms, LLC	Madera	ACL Order R5-2017-0008, adopted in the amount of \$35,490, replaces ACL Complaint R5-2016-0548 for failure to submit the 2014 and 2015 Farm Evaluations as required by the East San Joaquin Order. As of 8 August 2016, the Farm Evaluations were 526 days and 160 days past due, respectively.
2/23/2017	Brooks J and Arlene J Rushing Trust	Stanislaus	ACL Order R5-2017-0006, adopted in the amount of \$8,135, replaces ACL Complaint R5-2016-0546 for failure to obtain coalition membership or submit a RoWD as required by Water Code section 13260. As of 8 August 2016, the Dischargers are 802 days past due in obtaining regulatory coverage.
2/23/2017	Bounds Family Trust	Madera	ACL Order R5-2017-0007, adopted in the amount of \$26,520, replaces ACL Complaint R5-2016-0541 for failure to submit the 2013, 2014, and 2015 Farm Evaluations as required by the East San Joaquin Order. As of 8 August 2016, these Farm Evaluations were 830 days, 526 days, and 160 days past due, respectively.
2/23/2017	Baldev S. and Kamaljit K. Batth	Fresno	ACL Order R5-2017-0002, adopted in the amount of \$35,490, for failure to obtain regulatory coverage in the Irrigated Lands Regulatory Program.
2/24/2017	Harris Ranch Beef Company	Fresno	Cease and Desist Order (CDO) R5-2017-0012 requiring the Discharger to cease and desist discharging wastes in violation of their Waste Discharge Requirements (WDRs). CDO R5-2017-0012 includes a number of requirements (e.g., CEQA evaluation, technical reports, etc.) and a schedule for the Discharger to obtain compliance with their WDRs.

Enforcement Summary –Table 2, summarizes the formal and informal enforcement actions taken by the Regions since the last EO Report. From a statewide perspective, Region 5 was responsible for 31% of all the enforcement actions tracked in CIWQS during this period including 46% of all NOV's and 30% of all ACL's.

Enforcement Table 2 – Statewide Enforcement Actions (24 January 2017 through 3 March 2017)

Region / Office	Enforcement Actions							
	VER	SEL	NOV	NNC	TSO	CDO	ACL	Total
1	0	0	2	0	0	0	0	2
2	0	1	2	0	0	0	12	15
3	0	1	8	0	0	0	0	9
4	2	0	52	44	1	0	9	108
5F	2	0	13	0	0	1	2	18
5R	7	6	11	0	0	0	1	25
5S	3	0	32	0	0	0	7	42
RB5 Total	12	6	56	0	0	1	10	85
6	3	2	0	0	0	0	0	5
7	0	0	0	0	0	0	0	0
8	1	29	2	9	0	0	5	46
9	0	6	1	0	0	0	0	7
Total	18	45	123	53	1	1	36	277
Enforcement Actions:								
VER = Verbal Communication				TSO = Time Schedule Order				
SEL = Staff Enforcement Letter				CDO = Cease and Desist Order				
NOV = Notice of Violation				ACL = Administrative Civil Liability				
NNC = Notice of Non-Compliance (Stormwater)								

SANITARY SEWER OVERFLOWS, COMPLAINTS AND SPILLS

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

There were three SSO event resulting in a spill in excess of 50,000-gallons between December 2016 and January 2017.

- **Alma Street, City of Mount Shasta - 88,000 Gallon Spill**

At 8:20 AM on 8 January 2017, City of Mount Shasta Public Works personnel received notification from a City of Mount Shasta (City) resident of a manhole surcharging at the intersection of Alma Street and Mount Shasta Boulevard in the City. It was estimated that the overflow began at approximately 8:00 AM and continued until 5:45 PM the same day, with a flow rate of approximately 150 gallons per minute. Bypass pumping began on 8 January and continued until 18 January. During that time, City personnel cleared the sewer main of heavy gravel and debris, and removed and repaired two areas of root intrusion in the line. This overflow was caused, in part, by large amounts of infiltration and inflow into the collection system due to significant precipitation in the area. Additionally, this area is also a known bottleneck in the collection system that the City is aware needs to be addressed.

- **Cold Creek, City of Mount Shasta - 2.69 Million Gallon Spill**

Central Valley Water Board staff was notified on the morning of 11 January 2017 at approximately 8:30 AM of a sanitary sewer spill south of Hatchery Lane, west of Interstate 5, in the City of Mount Shasta (City). It was believed by City staff that the spill may have started on 2 January 2017 when a significant drop in the influent flow meter reading at the City's Wastewater Treatment Plant (WWTP) was observed. Suspect areas in the system were inspected by City staff to determine the source of the decrease in inflow to the WWTP, but the location of the spill was not determined until the afternoon of 11 January. On 11 January 2017 Central Valley Water Board staff met with City personnel and engineering staff. It was discovered that high creek flow due to recent storm events had caused erosion along the banks of Cold Creek, causing a tree to fall onto an exposed section of a sewer main pipe crossing the creek, shearing the pipe at both banks of the creek. This resulted in the release of raw sewage directly into Cold Creek for a total of 10 days. The City has estimated the total volume of the spill to be 2.69 million gallons, 50% of which they estimate to be from infiltration and inflow. By 12:45 PM on 12 January 2017, a bypass was installed and operational, stopping any additional wastewater release from the broken line. Repairs of the main interceptor line were completed the morning of 18 January 2017, and the bypass system was removed. Central Valley Water Board staff coordinated efforts with the City and Siskiyou County Health Department to conduct water quality monitoring for e. coli, fecal coliform, and total coliform upstream and downstream of the spill location in the weeks following the spill. Water quality monitoring was ceased when it was determined through cooperation with the Siskiyou County Health Department that downstream levels of e. coli, fecal coliform, and total coliform had returned to background, pre-spill, levels.

- **Lake Berryessa Resort Improvement District – 2.3 Million Gallons**

On 24 January 2017 a break in a 10-inch diameter pipe that conveys partially treated (undisinfected) wastewater from Pond 3 (treatment) to Pond 4 (polishing) was observed releasing wastewater and rain water at approximately 100 gallons per minute (gpm). The break occurred at a welded section of pipe which is believed to have been compromised due to ground settling during a large storm in early January. The release was to land and then to Stone Corral Creek, which is a tributary to Putah Creek. On 25 January 2017 a contractor evaluated the failure in the pipe—which was on the bottom side of the pipe—but was unable to seal the compromised section. A temporary repair to the pipe was completed on 26 January 2017.

For this reporting period, there were **393** total SSO spills: **67** Category 1, **8** Category 2, and **318** Category 3. Relevant data from all of the spills occurring during this reporting period is included as **Attachment A**.

Additional Information on SSOs

Additional information regarding SSOs—including the current Monitoring and Reporting Program (MRP)—can be found at the State Water Board's webpage at: http://www.waterboards.ca.gov/water_issues/programs/ssso/index.shtml. Sewage Collection Agencies report SSOs on-line at the State Water Board's CIWQS database pursuant to the requirements of State Water Board Order No. 2006-0003-DWQ (*General Statewide Waste Discharge Requirements for Sewage Collection Agencies*).

ADDITIONAL SPILLS (NOT SSOs)

- **PG&E Helms Plant, Fresno County**

Beginning on 8 January 2017, storm water runoff due to high rates of precipitation (16.5 inches of rain in 7 days – on top of snowpack) produced sanitary sewer system infiltration and inundation (I & I) which exceeded the capacity of the sewer and discharged from a manhole outside the WWTF. The discharger anticipated the overflow and had pumps and emergency tankage ready, but was ultimately unable to keep up with the excess flow. No measurement of the overflow volume is available due to failure of the flow measurement device, but the discharger estimates that tens of thousands of gallons of rainwater and minimal wastewater component discharged from the manhole in six minutes. Due to seasonally low wastewater output at this remote location, wastewater flow was minimal. Storm water flow at this time of year comingles with snowmelt and enters ephemeral stream drainages which drain to the Kings River, several miles distant. The discharger is developing a plan to identify and correct I & I issues. The WWTF is presently discharging clean water during a testing phase following package plant replacement and wastewater is being tanked and hauled off site.

- **Helms Housing & Support Facility, Fresno County**

On 8 January 2017, during a period of high storm water runoff due to high rates of precipitation (16.5 inches of rain in 7 days – on top of snowpack) an electronic equipment failure at this wastewater treatment facility allowed the discharge of 14,000 gallons of treated wastewater to discharge to a leach field in 8 hours, a flow rate approximately seven times the design flow. The discharge likely resulted in daylighting of effluent from the leach field, which was covered with snow. Potentially, wastewater comingled with storm water flowed to ephemeral drainages which drain to the Kings River; however, sampling was not completed due to snow conditions, continued precipitation, and a road washout due to the storms. The discharger is developing a plan to identify and correct high flows.

COMPLAINTS AND OTHER WATER QUALITY THREATS OR IMPACTS

Complaints. Central Valley Regional Board staff is responsible for responding to complaints related to water quality within the Central Valley Region as they are received. So far, in the 2016-17 fiscal year, Central Valley Water Board staff has logged **143** complaints from phone calls, emails, and from the CalEPA Complaint database (<https://calepacomplaints.secure.force.com/complaints/>). So far, **122 (85%)** complaints have been investigated and closed, or referred to another environmental enforcement agency. Investigations for the remaining **21** complaints remain ongoing.

DELTA ACTIVITIES

1. Delta Mercury Exposure Reduction Program

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

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

On 28 February 2017, the two community-based organizations that received small grants from MERP for FY16/17 submitted their midterm reports. These reports summarize the work completed by their organizations for the first half of the grant cycle. The Asian Pacific Self-Development and Residential Association (APSARA) and the Yolo County Children's Alliance (YCCA) both reported substantial progress in their respective communities to promote the awareness of consuming fish from the Delta safely.

In March 2017, Central Valley Water Board staff coordinated with the Department of Water Resources (DWR) to print laminated posters of the OEHHA fish consumption advisories in various languages for the community-based organizations to use as teaching tools.

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

2. Delta Regional Monitoring Program (RMP)

On 23 February, the Mercury Subcommittee met to develop recommendations for mercury monitoring in FY17/18 and beyond. The subcommittee proposed: continuation of monitoring largemouth bass at six sites in the Delta once per year; monitoring mercury and methylmercury in water at the same sites eight times per year; and monitoring mercury and methylmercury in sediment at the same sites quarterly. This proposal continues the basic framework of annual fish sampling for trend monitoring. Interpretation of the fish data are supported by the water and sediment data. New for FY17/18 is monitoring water at all six fish collection sites instead of only five sites and some sediment sampling.

On 28 February and 7 March, the Nutrients Subcommittee met to review proposals for monitoring and data evaluation activities in the next two years. The subcommittee agreed upon recommendations to the Technical Advisory Committee to fund the following projects for FY17/18: a) support for nutrient science meetings to discuss recent nutrients synthesis reports and other new data; b) joint project with the Bay Nutrient Management Strategy for standardization and calibration of chlorophyll sensors across multiple programs; and c) monitoring spatial variability of nutrients broadly across the Delta using high-frequency, boat-mounted sensors.

On 28 February 2017 and 9 March, the Pesticides Subcommittee met to review monitoring design proposals for the Delta RMP Current Use Pesticide monitoring program. Options under discussion include: continuing a portion of the current monitoring for 3 months to complete the water year; focused monitoring at two supersites with ex-situ toxicity testing; focused monitoring on sites that would be most useful for the

pyrethroids and chlorpyrifos and diazinon control programs using either targeted or randomized sites; and monitoring on a sub-region basis.

The Delta RMP Technical Advisory Committee will hold a meeting on 14 March 2017 to review the proposals for FY 2017-18 that were prioritized by the subcommittees and finalize a monitoring plan recommendation to the Steering Committee for approval at the 3 May 2017 meeting.

In March 2017, the Delta RMP sent a final response letter to the Independent Review Panel's draft assessment of the Delta RMP's Monitoring Design. The Independent Review Panel was charged with 1) determining if the Delta RMP Monitoring Design is adequate to answer the program's management and assessment questions, and 2) recommending scientific criteria for distributing limited resources towards monitoring. Suggestions from the panel are being considered by the Steering Committee in the decision making process for modifications to the Monitoring Design. The final report from the panel is expected in April 2017.

3. **Delta Nutrient Research Plan**

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

- A white paper on the roles of nutrients in controlling primary productivity is anticipated to be available for review by the end of March. Two independent panel members were unable to continue working on the white paper, which delayed its completion.
- A subcommittee of the STAG, the Prioritization Work Group, has been meeting to develop a process for the Nutrient Research Plan for organizing and prioritizing research recommendations. The prioritization process will be considered by the STAG.
- Upcoming meetings of the STAG are 24 March and 17 April.
- Staff anticipates having a draft Nutrient Research Plan available for review in May 2017.

Papers describing current research for nutrients and cyanobacteria blooms, invasive aquatic plants, and biogeochemical modeling, as well as other project information, are available here:

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

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

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. The aeration facility is used to increase dissolved oxygen concentrations in the river when concentrations fall below the water quality objective. The aeration facility has been in operation since 2012 after the completion of a demonstration of the project from 2008 through 2010. The maintenance and operation of the facility is funded under an agreement by several San Joaquin River Dissolved Oxygen TMDL stakeholders, including the Port of Stockton, San Joaquin Tributaries Authority, San Luis & Delta-Mendota Water Authority, San Joaquin Valley Drainage Authority and the State Water Contractors. The original agreement was amended in 2016 and expires in May 2017. The amendment provides for additional one-year renewal periods.

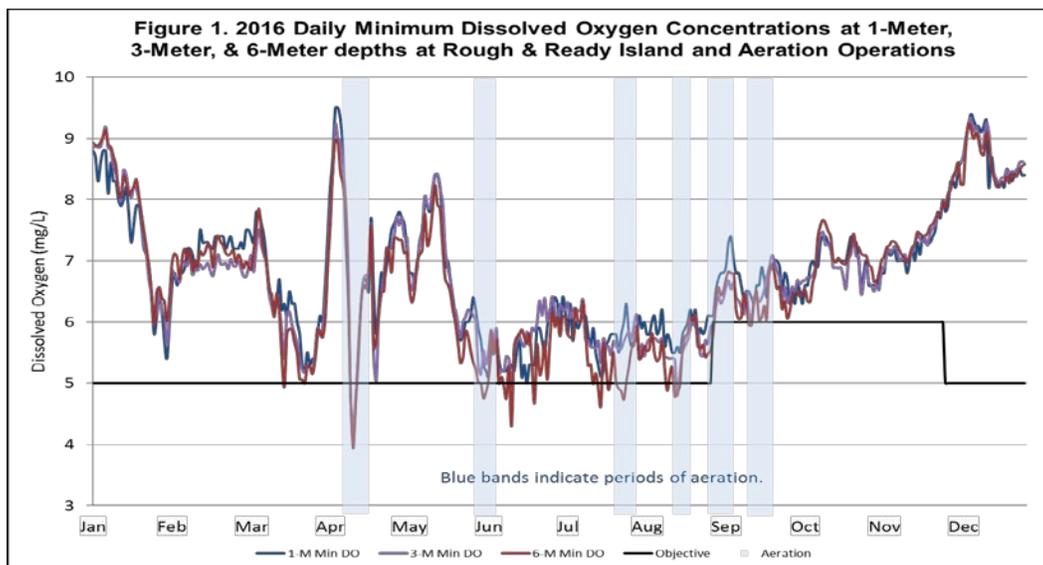
Since the inception of the original agreement, the aeration facility has been operated each year from 2012 through 2016. Table 1 summarizes the annual operations, pounds of oxygen delivered and annual costs. Operations have varied each year depending on site specific conditions but have been less than 60 days per year. Annual operations and maintenance costs have ranged between \$48,000 and \$119,000. Variations in annual cost are mainly due to the number of days of operation and the type of repairs incurred in each year. The aeration agreement and annual operations and maintenance summaries are available on the Water Board's San Joaquin River Dissolved Oxygen TMDL

website: http://www.waterboards.ca.gov/centralvalley/water_issues/tmdl/central_valley_projects/san_joaquin_oxygen/implementation_activities/index.shtml#doaeration

Figure 1 shows the minimum dissolved oxygen concentrations measured during 2016 in the San Joaquin River at the Port of Stockton's West End Complex (Rough and Ready Island) and the days of aeration operations. In 2016, there were five periods when the aerator was operated (April, June, July, August, and September). So far in 2017, dissolved oxygen concentrations have been above the water quality objective and aeration operations have not been needed.

Table 1. San Joaquin Dissolved Oxygen Aeration Facility Operations and Cost

Year	Days of Operation	Pounds of Oxygen Delivered (approximate)	Annual Cost (operations & maintenance)
2012	42 days (Jun-Oct)	193,000	\$62,766.00
2013	23 days (Sep)	80,000	\$48,506.87
2014	58 days (Sep – Oct)	212,000	\$91,234.65
2015	54 days (Jul – Oct)	228,000	\$118,851.77
2016	41 days (Apr, Jun, Jul-Sep)	123,133	\$81,883.04



SALINITY AND CV SALTS

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

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

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

A public hearing to consider accepting the SNMP and direct staff to begin Basin Plan Amendments to incorporate appropriate elements was held at a 9 March 2017 Board meeting. Notification of the 9 March public hearing and associated comment period was sent out on the Board's email list-serve and posted on the Board's website on 19 January 2017. The comment period closed on 21 February. Eleven comment letters were received. Received comments were discussed at the 9 March Hearing. A resolution to acknowledge receipt of the SNMP and direct staff to begin basin plan amendment work to implement the SNMP as appropriate was adopted at the 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>

Policy and strategy summaries, a copy of the resolution adopted at the March hearing and copies of the written comments as well as the presentation provided at the hearing can be found at:

http://www.waterboards.ca.gov/centralvalley/board_decisions/tentative_orders/1703_cvsalts/index.shtml

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

On 27 February, proposed Basin Plan Amendments (BPA) and supporting draft Staff Report to establish salinity WQOs on the Lower San Joaquin River (LSJR) was released for public review and comment. A peer review of certain scientific elements of the proposed regulatory action was completed on 2 March. The Board will receive oral comments at a public hearing on 6/7 April in Clovis. The Public review period will close on 14 April 2017. The Board will consider adoption of the proposed BPA at a public hearing on 8/9 June in Rancho Cordova.

Information on the proposed Amendment 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. **CV-SALTS Meeting Participation**

On 6 January, Jim Brownell and Anne Littlejohn participated in a LSJR Committee conference call. The call was held to discuss changes to the draft Staff Report for the proposed Amendment to the Basin Plan for LSJR salinity WQOs.

On 30 January, Glenn Meeks participated in the CV-SALTS Public Education and Outreach Committee meeting to review the communications plan and review outreach materials, including the SNMP fact sheets and completed policy and strategy summaries.

On 1 and 22 February and 6 March, Jeanne Chilcott and Glenn Meeks participated in CV-SALTS planning meetings for the 9 March Hearing.

On 2 February, Jeanne Chilcott and Glenn Meeks participated in the CV-SALTS Executive Committee meeting held at the Central Valley Water Board offices in Rancho Cordova. The meeting primarily focused on the final SNMP, planning for the 9 March Board hearing and discussions on the Public Education and Outreach Committee developed informational materials (fact sheets and summaries).

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

The USBR 2016 Annual Report of MAA activities was submitted on 27 January. USBR has not announced the hiring of a new Project Manager for the Program to Meet Standards. However, the next meeting with representatives of the USBR will be held on 20 March. On 9 February, Jim Brownell met informally with USBR's new water quality coordinator, Elwood Raley, to discuss project history topics. The Steering Committee of the Board-approved Real Time Management Program will meet in Los Banos on 4 April.

5. **Evaluation of Municipal and Domestic Supply (MUN) Beneficial Use in Ag Dominated Surface Water Bodies.** A public hearing was held by the Central Valley Water Board on 23 February 2017 to receive oral comments on the Basin Plan Amendment effort to develop a region-wide MUN evaluation process in Ag dominated surface water bodies. The Board will consider adoption of the proposed BPA at a public hearing on 8/9 June in Rancho Cordova. The draft Staff Report containing the proposed amendments and the environmental checklist was released to the public on 23 January 2017 and the public written comment period extends to 17 March 2017.

More information on the project can be found at:

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

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

The Basin Plan Amendment to remove the municipal and domestic supply (MUN) and agricultural supply (AGR) beneficial uses from a discrete portion of the Tulare Lake Bed groundwater basin will be considered at the 6/7 April 2017 Board meeting. On 9 January 2017, the staff report was posted on the Board's website and the Notification of Opportunity to Comment and the April 2017 Public Hearing Notice for the project was sent out on email list-server. The public comment period closed on 23 February. Two comment letters were received; one from the Stratford Public Utilities District (SPUD) and one from the Environmental Justice Communities (EJ Community), collectively. Concerns expressed included: 1) SPUD's concerns that the de-designation zone did not extend far enough to the northwest, so that it encompassed their waste water treatment plant location; and 2) the EJ Communities concerns that the basin plan amendment did not comply with Federal and State Anti-degradation Policy, did not fall within the scope of the Sources of Drinking Water exception 1a criteria, and violated the "public trust" and "reasonable and beneficial use" doctrines.

A third comment letter in support of the proposed amendment by the Central Valley Clean Water Agency (CVCWA) was received one day after the close of the comment period.

Copies of the Staff Report with the proposed basin plan amendment language in the Executive Summary, associated reference documents and appendices, copies of the comment letters received and staff responses to comments can be found at:

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

TMDL BASIN PLANNING

1. Pesticide Basin Planning/TMDLs

Statewide Urban Pesticides Amendments

A primary goal of the statewide Urban Pesticides Amendments is to improve collaboration among state and federal regulators, leading to better management of pesticides in urban runoff. The statewide Urban Pesticides Amendments will also organize coordinated pesticides and toxicity monitoring and data sharing, and establish consistent minimum pesticides control efforts for MS4 storm water permittees. The State Water Board released an informational document and held two California Environmental Quality Act (CEQA) scoping meetings to seek input on development of the proposed statewide Urban Pesticides Amendments. These proposed amendments would be included in statewide Water Quality Control Plans. The meetings were held on 15 March in Sacramento and 17 March in Los Angeles. Central Valley Water Board staff has been actively engaged in the workgroups developing the proposed approach. The public notice and additional information are available at:

http://www.waterboards.ca.gov/water_issues/programs/stormwater/storms/

Diazinon and Chlorpyrifos Basin Plan Amendment

On 8 March the Office of Administrative Law (OAL) approved the Basin Plan Amendment for the Control of Diazinon and Chlorpyrifos Discharges in the Sacramento and San Joaquin River Basins. During OAL review a minor, non-substantive correction to the response to comments in Appendix E of the Staff Report was made as documented in a correction memo from the Executive Officer to the State Water Board. This Basin Plan amendment still needs USEPA approval before becoming fully effective. The USEPA review is expected to be completed in May.

2. 2014 Integrated Report

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

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

3. 2018 Integrated Report

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

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

Per direction from the Central Valley Water Board during the December 2016 hearing for the 2014 Integrated Report, the Executive Officer transmitted a request for extension of the 2018 Integrated Report data solicitation period for higher elevation grazing areas so that the Central Valley Water Board may consider the data as part of the 2018 Integrated Report data assessment cycle in addition to subsequent cycles. The purpose of the extension request was to allow time for stakeholders to collect and submit water quality data for high elevation grazing areas after the snows melts this summer.

In response to the Executive Officer's request, the State Water Board Executive Director, Tom Howard, indicated that a deadline extension would cause a delay to the statewide 2018 Integrated Report since all stakeholders and regions would need to be given the same data submission deadline. The revised deadline would severely constrain the schedule for Regions 1, 6 and 7, which are required to submit full updates for

the 303(d) List during the 2018 cycle. In contrast, the Central Valley Region is not required to submit a full update until the 2020 cycle. Consequently, the deadline extension request was retracted.

To inform the stakeholders who may be affected, staff mailed and emailed a letter to the stakeholders who expressed grazing-related concerns in written comments last October and at the December 2016 Hearing. During the Hearing, several stakeholders indicated that they more current information that staff should assess. Staff have been following up with the researchers who collected that information to help ensure the data is submitted by the May deadline so that it can be assessed as part of the 2018 cycle. Any data submitted after May 3rd will be considered in the 2020 cycle assessments.

DAIRIES/CONFINED ANIMAL FACILITIES

1. **Inspections**

Staff has completed approximately 172 dairy inspections for FY 2016/17 so far, including 132 compliance inspections. This outcome is on track to meet our performance target, but not in alignment with the goal of inspecting each CDQAP-certified dairy once every five years, and non-certified dairies once every three years. The reason for doing fewer inspections this year is to focus resources on the more immediate goal of completing General Orders for Bovine Feedlots and Poultry Facilities, as well as to pursue a number of high priority enforcement cases. Staff will eliminate the inspection backlog in the coming years. In the meantime, we will prioritize inspection efforts on dairies that are more likely to have issues based on previous inspections, as well as on dairies that are in close proximity to sensitive receptors such as community drinking water supplies.

2. **Dairy Digesters**

Staff has seen an increase in dairy digester construction activities over the past year. These activities are primarily associated with six dairy digester projects that were awarded grants totaling \$11.1 million by the California Department of Food and Agriculture (CDFA) as part of its Dairy Digester Research & Development Program (DDRDP), and have a total development cost of \$40.0 million. The grant funding was appropriated from California's Greenhouse Gas Reduction Fund with the purpose of reducing greenhouse gas (GHG) emissions from California dairy operations. CDFA has received a second round of funding in 2017 of at least \$29 million and thus Board staff anticipates further increases in the number of digester projects being developed in 2018 and 2019.

OIL FIELDS

1. Waste Water Surface Ponds

The tentative General Orders for discharges of oilfield wastes to land in the Tulare Lake Basin were posted for public comment on 27 January 2017. The orders are scheduled to be considered by the Central Valley Water Board at the 6/7 April 2017 meeting. In response to requests by the public, we prepared and made available a “track-changes” version for each of the General Orders that highlighted the differences between the tentative General Orders from August 2016 and current versions. We received comments from environmental advocacy groups, the petroleum industry, and the general public.

Two draft Revised Monitoring and Reporting Programs for Valley Water Management Company are expected to go out by the end of March 2017. We continue to review work plans required by the Cleanup and Abatement Orders, monitoring reports required by Waste Discharge Requirements, and technical reports that request recession of groundwater monitoring requirements from recently issued Revised MRPs.

2. Spill Response

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

- A spill of crude oil into a dry stream bed occurred on the Section 3 lease operated by Chevron USA, Inc., in the Kern River Oil Field on 3 January 2017. The cause of the spill was reported as the failure of a pipeline. Reportedly, approximately 0.6 barrels of crude oil were discharged. Staff inspected the spill site before and after the completion of clean-up activities. Staff of the California Department of Fish and Wildlife inspected the spill site after cleanup and signed-off on the cleanup.
- A spill of crude oil and oil field produced wastewater, into a dry stream bed occurred on the Cordes 57 lease operated by Chevron USA, Inc., in the Kern River Oil Field on 4 January 2017. The cause of the spill was reported as a mechanical failure in an oil production well. Reportedly, approximately 1.26 barrels of crude oil and an unknown amount of wastewater were discharged and mixed with rainwater. Staff inspected the spill site to ascertain the conditions of the affected areas after the completion of cleanup activities. Staff of the California Department of Fish and Wildlife inspected the spill site after cleanup and signed-off on the cleanup.
- A spill of crude oil and oil field produced water into a dry blue line stream bed occurred on the Veddar lease operated by California Resources Corporation in the Mount Poso Oil Field on 18 January 2017. Reportedly, a loader slid in the mud and accidentally struck a production line causing the discharge of approximately 140 barrels of crude oil and 1,600 barrels of wastewater into the affected stream bed before operators were able to stop the discharge. Staff inspected the spill site before and after the completion of clean-up activities. Staff of the California Department of Fish and Wildlife inspected the spill site after cleanup and signed-off on the cleanup.
- Reportedly, the failure of the levee of a groundwater recharge basin operated by the Cawelo Water District in the Poso Creek Oil Field caused the discharge of approximately 10,000,000 gallons of treated oil field produced water into adjacent agricultural orchards and Poso Creek. It was reported that the basin levee failed because of water piping through squirrel holes which caused a section of the levee to wash away. The amount of treated wastewater discharged to Poso Creek is unknown. Staff inspected the incident site and followed up on the levee repair.
- On 27 February 2017, the California Division of Oil, Gas, and Geothermal Resources (CADOGGR) reported the presence of oil on ground surface at an inactive/abandoned facility in Raisin City Oil Field in the middle of agricultural fields in Fresno County. Reportedly, an estimated amount of 70 barrels of crude oil covering an area of approximately 5,000 square feet were discharged from two tanks that were demolished. Staff investigated the incident and contacted Standard Cattle Company, the land owner.

Staff inspected the incident site along with staff of the California Department of Fish and Wildlife and staff of CADOGGR, in addition to the land owner. According to the land owner, the demolition of the tanks took place in late December 2017, and that is probably when oil was discharged to land. Staff requested the land owner to start conducting cleanup immediately to remove and properly dispose of all oil and oil-affected materials from the site. Staff will conduct a follow-up inspection after the completion of all clean-up activities.

- A spill of crude oil and oil field produced wastewater, into a dry blue line stream bed occurred on the McVan lease operated by E & B Natural Resources in the Poso Creek Oil Field on 28 February 2017. The cause of the spill was reported as a mechanical failure in a production well. Reportedly, approximately 15 barrels of crude oil and 135 barrels of wastewater were discharged into the affected stream bed. Staff inspected the spill site to ascertain conditions of the affected areas after the completion of cleanup activities. Staff of the California Department of Fish and Wildlife inspected the spill site after cleanup and signed-off on the cleanup.

Staff is considering appropriate enforcement for the spills.

3. **UIC Program**

From mid-January to mid-February 2017, Staff have received and reviewed four technical reports that were submitted in response to several 13267 Orders that were issued to oil field operators requesting information on injection well(s) that have potentially been injecting Class II fluids produced by oil or gas extraction activities into an aquifer that may not have been properly designated as an exempt aquifer under the federal Safe Drinking Water Act. The 13267 Orders require operators to either provide specific technical information, or to provide technical justification that their injection well(s) is injecting into an exempted aquifer/zone and therefore should not receive a 13267 Order. As a result of these reviews, staff issued three letters of compliance, and followed up with one operator regarding outstanding information that is required.

Staff have reviewed two aquifer exemption applications (Edison Oil Field and Kern River Oil Field), and prepared questions/concerns that were then submitted to State Board, and subsequently to the Division for response and clarification. Staff have reviewed the Division's responses to the Water Board's questions for the Lost Hills and North Belridge Aquifer Exemption, and reviewed and prepared comments regarding the Division's response for the Kern River Aquifer Exemption. Meetings have been held with staff from all three agencies (State Board, Regional Board, and the Division) to allow direct communication/interactions in addressing the complex issues raised during the aquifer exemption review process.

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

4. **Senate Bill 4 Program (SB4)**

Staff has completed three SB4 well stimulation application package reviews, and submitted written comments to the State Water Board. A preliminary review of one application package has been completed, and will be finalized after the Division of Oil, Gas, and Geothermal Resources provides supplemental information from the Operator. Three additional well stimulation application packages are under review.

Staff has reviewed three groundwater monitoring plans for planned well stimulations. Staff has reviewed five groundwater monitoring exclusion plans prepared by Operators. Written comments regarding the review of the groundwater monitoring plans, and the proposed exclusions were conveyed to the State Water Board.

5. **Food Safety**

The Food Safety Expert Panel met in January to continue to discuss the scope of work for a study to evaluate whether there are potential threats to food safety from irrigating with oilfield produced water. Work continues with the oil field operators, produced water distributors, and the water districts that use produced water to develop a Memorandum of Understanding regarding completion of the study. Board staff is arranging to hold a public meeting of the Panel in mid- to late-April in Rancho Cordova.

Dr. William Stringfellow of Lawrence Berkeley National Labs and the University of Pacific has resigned from the Panel. The Board is working on a contract with Dr. Stringfellow to do some rapid assessment citrus sampling this season and to act as a Science Advisor to the Board on issues related to Food Safety.

Within the month, it is anticipated that Mr. Pat Kennelly will retire and step down from the Panel. Dr. David Mazzer, Branch Chief of the California Department of Public Health will take his place.

Central Valley Water Board staff continues to work with the Center for Collaborative Policy to facilitate the Food Safety effort. Round table and public meetings will take place in the upcoming quarter. The Central Valley Water Board anticipates that these meetings will allow Panel members to finalize details of study design and discuss results from the initial crop study.

GROUND WATER STRATEGY

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

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

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

Action 6.4.1 Develop a Salt and Nitrate Management Plan for the Central Valley. The initiative is a collaborative stakeholder effort that includes the Central Valley Water Board as a stakeholder. CV-SALTS completed a Salt and Nitrate Management Plan in December 2016. The SNMP was heard at a 9 March 2016 Board hearing, where the Board considered a resolution to accept the SNMP and whether to direct Board staff to implement basin plan amendments to implement the plan. More details on CV-SALTS activities can be found in the Salinity and CV-SALTS section of this EO report. Information is also available at: <http://cvsalinity.org/>

Action 6.4.2 Implement consistent and scientifically sound groundwater quality monitoring program. To implement this action a Groundwater Monitoring Advisory Workgroup (GMAW) composed of groundwater experts, which includes representatives from State and Regional Water Boards, USGS, academia, and private consultants was formed. The GMAW has identified several technical issues related to groundwater monitoring. The volunteer GMAW is tasked with development of white papers for each of the technical issues. Two on-going efforts are working on related issues, a statewide committee is reviewing the Antidegradation Policy and guidance on its implementation with respects to groundwater, and CV-SALTS is looking at policy issues related to assimilative capacity. The results of these two efforts may impact the approach or guidance that would be outlined in the GMAW white papers. Therefore, to avoid duplication of efforts, staff is engaged with both. Discussion are taking place to determine how best to coordinate the GMAW and CV-SALTS Technical Advisory Committee.

GMAW meeting information can be found at:

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

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

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

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

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

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

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

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

A Tentative General Order for Confined Bovine Feeding Operations has been released for a 30-day public comment period prior to consideration by the Central Valley Water Board at its June 2017 meeting.

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

Action 6.5.2(b) Coordinate with California Department of Food and Agriculture (CDFA) to identify methods to enhance outreach, education, and research through CDFA's fertilizer research and education program. The goal of this action is to reduce groundwater quality impacts from use of nitrogen based fertilizing materials in agricultural, commercial, and residential applications. ILRP staff is coordinating with CDFA on the nitrogen management certification training for Certified Crop Advisors and individual growers and the development of nitrogen removed calculator for use by the agricultural coalitions. Staff is coordinating with CDFA to augment the irrigation element of the nitrogen management certification training and possibly include information on the summary reporting requirement.

Action 6.5.3 Reduce 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. During the 2016/2017 fiscal year, 94 open, *inactive sites were reviewed. Of these, 73 were eliminated from the backlog. This includes sites that were closed, are under another agency's lead, were assigned to staff, found to be duplicates of another site entry, or were found to be informational only.* Of the cases reviewed, 22 need additional staff time and effort on the responsible parties part to resolve, and includes 7 sites in which site information has not yet been located.

Since the backlog reduction project began, 791 sites have been reviewed, with 513 being eliminated from the backlog, and about 278 identified as requiring additional resources.

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 by approximately forty, but is also expected to speed up the processing of applications for WDRs from new or expanding facilities.

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

Regional Water Board staff is also exploring the possibility of a general order for municipal/domestic wastewater treatment facilities that treat their wastewater to comply with levels necessary for water recycling. The water recycling general order is directed to the recycling of the water and does not replace the WDRs on the

dischargers with respect to effluent limits, prohibitions, specifications, etc. The hope would be an order that would complement the water recycling general order.

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

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

The OWTS Policy gives Local Agencies, mostly county environmental health departments, an option to propose Local Agency Management Programs (LAMPs). The goal of these programs is to demonstrate adequacy of local codes and ordinances to meet new minimum standards both for human health and water quality protection. Draft LAMPs were due to the Central Valley Water Board by 13 May 2016. Staff received 29 of 30 LAMPs from Local Agencies within the Central Valley by the deadline, and one late submittal afterward. Staff is also responsible for reviews of 8 LAMPs that partly extend into the Central Valley, but under external Regions' jurisdictions. Staff members in the Redding, Rancho Cordova, and Fresno Offices are coordinating reviews in detail. The OWTS Policy has a deadline of 13 May 2017 for Regional Board LAMP approvals. As of February 2017, Central Valley Water Board staff have completed reviews on 28 LAMPs, 93% of the jurisdictional total, and resolved all issues with local environmental health directors. Two remaining LAMPs are incomplete; we await revised versions. Staff has reviewed 4 of 8 LAMPs from external Regions and awaits requests for reviews on the remainder. Prior to public noticing and recommendation to the Central Valley Regional Board for consideration, staff requests Local Agencies to gain their Board of Supervisors' approvals, and related new code adoptions. To date, local Boards of Supervisors have approved 18 LAMPs and adopted codes on 17. The Central Valley Water Board has approved 8 LAMPs. During the April 2017 Meeting, 8 additional LAMPs will be submitted to the Central Valley Regional Board for its consideration. Therefore, about 53% of the LAMPs will likely meet the OWTS Policy deadline. The remainder, from 14 Local Agencies, largely awaits further local Board of Supervisors' actions. Of these, 10 will likely be on the Board's June 2017 agenda. Local Agencies with LAMPs that lack Regional Board approvals by 13 May 2018 will regulate either under OWTS Policy Tier 1 (generally more conservative than a LAMP) or local codes, whichever is more stringent. Staff regularly updates progress on the following webpage: http://www.waterboards.ca.gov/centralvalley/water_issues/owts/lamp_reviews/index.shtml

IRRIGATED LANDS REGULATORY PROGRAM (ILRP)

Quarterly Stakeholder Meetings

Central Valley Water Board staff holds quarterly ILRP stakeholder meetings to provide an open forum for communication between staff, agricultural coalitions, environmental justice groups, and other interested parties in Central Valley Region. The next stakeholder meeting will be held on 12 April 2017 at the Modesto Farm Bureau, and the focused discussion will be regarding management plans for E.coli, dissolved oxygen/pH, legacy organochlorines and nutrients. More information regarding the stakeholder meetings can be found on the Central Valley Water Board ILRP website:

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

Waste Discharge Requirements (WDRs) Development

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

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

ILRP Compliance, Outreach & Enforcement

Renewed Outreach for Non-enrolled Operations

From 27 January to 8 March 2017, staff mailed 107 outreach letters to likely owners of commercial irrigated farmland within the Tulare Lake Basin Area. The letters are intended to improve outreach efficiency by providing landowners an opportunity to contact the Water Board prior to staff conducting an inspection of the property.

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

Agricultural Parcel Inspections

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

Coalition Area	Parcel Inspections Jan 27 – Mar 8
Sacramento Valley	93
San Joaquin County & Delta	94
Kings River	46
Total	233

Water Code Section 13260 Directives

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

Coalition Area	Directives Mailed Jan 27 – Mar 8
San Joaquin County & Delta	68
Kings River	15
Total	83

Pre-Administrative Civil Liability Notification Letters

On 10 February 2017, staff in the Rancho Cordova office issued pre-Administrative Civil Liability (Pre-ACL) letters to four growers for failure to respond to 13260 Directives. Pre-ACL letters offer the recipients the opportunity to negotiate a settlement with staff and avert the issuance of an Administrative Civil Liability Complaint. If a settlement is reached, the details of the settlement are circulated for a 30-day public review prior to the settlement being finalized and approved by the Executive Officer.

Coalition Enrollment Summary

The tables below provide the latest coalition enrollment data based on coalition member lists submitted annually to comply with the ILRP General Order requirements, subsequent voluntary updates to member lists, and Central Valley Water Board staff identified additional enrollment data. The ILRP General Orders require coalitions to provide enrollment data each July and Water Board staff requests a voluntary update in December to ensure accurate information for annual billing. Executive Officer Reports produced in months when coalitions are not required to provide member and participant information are updated using Water Board staff enrollment information.

Table 1 of 2. Coalition Enrollment Information Summary in the Sacramento, Delta, East and Western San Joaquin River Watersheds*							
Coalition Group	CA Rice* Comm.	East San Joaquin	Grasslands Drainage Area	Sacramento Valley	San Joaquin Co. & Delta	Western San Joaquin R.	Totals
Participating Growers							
Number of Growers, Pre-Order	2,500	2,225	N/A	7,888	3,256	2,450	18,319
Number of Growers, Participant List (2016)*	2,500	3,524	89	8,300	3,609	2,527	20,549
Number of Growers Enrolling Land Due to Directive/eNOI (Jan 20, 2017 – Mar 8, 2017)***		22		2	6		30
Enrolled Acreage							
Number of Acres, Pre-Order	544,468	535,653	N/A	1,183,491	348,200	467,625	3,079,437
Number of Acres, Participant List (2016)*	536,000****	697,423	80,859	1,330,502	413,126	433,324	3,491,234
Number of Acres, Annual Fees (2016-2017)**	536,000****	698,701	80,859	1,330,502	413,126	433,324	3,492,512
Number of Acres added due to Directive/eNOI (Jan 20, 2017 – Mar 8, 2017)***		3,127		170	490		3,787

* 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 8 March 2017.

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

Table 2 of 2. Coalition Enrollment Information Summary for the Tulare Lake and Western Tulare Lake Basins									
Coalition Group	Buena Vista	Cawelo	Kaweah Basin	Kern River	Kings River	Tule Basin	Westside	Westlands	Total
Participating Growers									
Number of Growers, Pre-Order	3,794 (Southern San Joaquin Water Quality Coalition)							1,070	4,864
Number of Growers, Current Participant List (2016)*	40	89	1,290	781	4,819	1,044	41	1,276	9,380
Number of Growers Enrolling Land Due to Directive/eNOI (Jan 20, 2017 – Mar 8, 2017)***	0	0	0	0	24	1	0	0	25
Enrolled Acreage									
Number of Acres, Pre-Order	957,362 (Southern San Joaquin Water Quality Coalition)							507,489	1,464,851
Number of Acres, Current Participant List (2016)*	30,960	34,877	163,554	524,804	773,473	232,012	99,100	489,698	2,348,478
Number of Acres, Previous Annual Fees (2015-2016)**	30,788	34,524	163,422	522,776	761,019	225,018	99,761	490,495	2,327,803
Number of Acres added due to Directive/eNOI (Jan 20, 2017 – Mar 8, 2017)***	0	0	0	0	2,090	10	0	0	2,100

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

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

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

Sacramento River Watershed Coalition Groups

California Rice Commission

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

On 29 December 2016, the California Rice Commission submitted the 2016 Annual Monitoring Report to the Central Valley Water Board. The report provided information on surface water monitoring conducted from November 2015 through October 2016. The report was approved on 23 February 2017.

Sacramento Valley Water Quality Coalition

On 3 February, staff held a Quarterly Status Update Meeting with the Sacramento Valley Water Quality Coalition (SVWQC) to discuss the status of submitted management plan completion requests; pending management plan completion requests; progress of SVWQC's management plans; and an approach to address dissolved oxygen and pH management plans.

On 28 February, the SVWQC submitted electronic monitoring results for the 4thrd quarter of the 2016 water year, covering July through September 2016.

San Joaquin River Watershed Coalition Groups

East San Joaquin Water Quality Coalition

On 27 January, the Executive Office issued a conditional letter concurring with the Coalition's Sediment and Erosion Control Plan (SECP) Grower Self-Certification Program Curriculum. The program provides a grower training option for certifying a SECP to ensure that owners and operators of irrigated lands are implementing effective sediment discharge and erosion control practices. The EO noted that each training session should include information on the types of practices and projects that must be certified by a registered professional.

On 13 February, the Coalition submitted an amendment to update the Quality Assurance Project Plan. The proposal includes revisions to standard operating procedures for surface water and sediment sampling. The amendment is under staff review.

On 1 March, staff received the Coalition's Quarterly Monitoring Data Report for the period July-October 2016.

San Joaquin County and Delta Water Quality Coalition

On 13 February, the Coalition submitted an amendment to update the Quality Assurance Project Plan. The proposal includes revisions to standard operating procedures for surface water and sediment sampling. The amendment is under staff review.

On 1 March, staff received the Coalition's Quarterly Monitoring Data Report for the period July-September 2016.

Westside San Joaquin River Watershed Coalition

On 31 January 2017, the Coalition submitted its Second Revised Comprehensive Surface Water Quality Management Plan, which is under staff review.

On 15 February, staff met with representatives of the coalition for the first quarterly meeting of the year. The main agenda topics were the Newman Wasteway Management Plan Completion Request and the 2017 Monitoring Plan Update.

Grassland Drainage Area Coalition

On 16 January 2017, the Comprehensive Groundwater Quality Management Plan for the Grassland Drainage Area was submitted to the Central Valley Water Board. The plan is currently under staff review.

Other Projects

Data Management

Staff loaded the second and third quarter Sacramento Valley Water Quality Coalition electronic field data deliverable covering the monitoring period January through March and April through June 2016 into the CV RDC replica database. Staff has been experiencing delays with transmittal of the data to CEDEN because the contract with the CV RDC has expired.

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

February coalition monitoring data loading was suspended. The Central Valley Regional Data Center and Moss Landing Marine Laboratory has completed the monitoring data transfer from an Access based data base to a SQL data base. Consequently, new loaders are under development. Because of technical difficulties with the loaders, loader training is postponed to March or April. Data loading will resume after new loaders are developed.

Grassland Bypass Project

On 31 August 2015, the U.S. Bureau of Reclamation submitted the draft Quality Assurance Project Plan for the Compliance Monitoring Program for the operation of the Grassland Bypass Project for staff review. As required by the Order, the draft Plan specifies the sampling and analytical procedures that must be followed by Grassland dischargers. However, some omissions were noted by staff. A revised QAPP was submitted on 14 February 2017. The revised QAPP is currently under staff review.

In the early morning of 12 February 2017, storm conditions resulted in a break in the Main Canal near Firebaugh resulting in flows into the San Luis Drain. Water flowed into the reach of San Luis Drain that is used by the Grassland Bypass Project. Flows in the San Luis Drain were 100 cfs at the time of the break. The break was sealed by the late morning of February 12th. Peak flows in the San Luis Drain were estimated to be 173 cfs on February 12th and decreased to pre-breach conditions by the early morning of February 13th. Flows in the terminus of the San Luis Drain did not exceed 150 cfs.

Rice Pesticide Program

The 2016 Annual Stakeholder Meeting for the Rice Pesticide Program was held on 12 October 2016 in the Central Valley Water Board's Rancho Cordova office. On 29 December, the 2016 Annual Monitoring Report was submitted to the Central Valley Water Board. The Annual Report summarizes thiobencarb monitoring results for the 2016 rice growing season and subsequent actions taken in response to exceedances. Recommendations for the 2017 monitoring season were sent to the Executive Officer on 21 February 2017. The Annual Report and recommendations are currently under staff review.

Draft Pesticide Evaluation Protocol

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

Final Pesticide Evaluation Protocol:

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

NON POINT SOURCE (NPS)

Cyanobacteria Bloom Notification and Response

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

The table below summarizes the suspected and confirmed cyanobacteria blooms reported in 2017. So far, only one potential cyanobacteria bloom has been reported in 2017.

Summary of Suspected and Confirmed Cyanobacteria Blooms in 2017				
Month	Report Name	Report Status	Cyanobacteria (<i>Genera</i>) Identified?	Site Previously Reported in 2016?
March	Oakwood Lake, Manteca	Open	To be determined.	No

GENERAL

1. **Follow up on Public Comment given by Jeff Scharff at the February 2017 Board Meeting**

During the public comment portion of the 23 February 2017 Central Valley Water Board meeting, attorney Jeff Scharff asked the Board to assist him with setting up a meeting between his clients (Marilyn Wordlow and Bill Vandercook) and other potentially responsible parties for tetrachloroethene (PCE) contamination found in soil, soil gas, and groundwater near the Former Shell Service Station, located on their property at 4301 Marconi Avenue, Sacramento, California.

The Former Shell service station operated from 1955 until 1985 when the service station was demolished and an office building was constructed on the property. A former dry cleaners (Sunshine Cleaners) operated on the property adjacent to the service station at 4317 Marconi Ave from at least 1965 to 1998. And a business that has been characterized as a dry cleaning "drop facility" was operated at 2924 Eastern Avenue. These properties constitute a complex case that involves the release of PCE that we believe came from more than one facility in the area.

On 3 March 2017 Central Valley Water Board Staff contacted Mr. Scharff to discuss his clients concern and provided him with a progress report on cleanup activities in the area. We informed him that a Revised Remedial Action Plan (RAP) for the former Shell service station was approved on 14 November 2016 and that Shell is scheduled to install a soil vapor extraction system in April 2017. We also informed Mr. Scharff that the adjacent property owners (Sunshine Cleaners property) have met with Regional Board staff, and will be submitting a Workplan for soil and groundwater investigation shortly.

After providing Mr. Scharff a summary of our activities on and adjacent to his clients property and our plans for moving forward he was satisfied with the progress that we have made and indicated that we may not need to convene the meeting that he had requested. He will update his clients accordingly.

GRANTS

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

The State Water Board has contracts in place with Rural Community Assistance Corporation, California Rural Water Association, and Self-Help Enterprises to provide technical assistance to small disadvantaged communities for drinking water and wastewater treatment services. A new Proposition 1 Technical Assistance Program is now available to address Small DACs drinking water, wastewater, groundwater quality, and stormwater needs under one program. For information on eligible activities visit the Office of Sustainable Water Solutions website at: http://www.waterboards.ca.gov/water_issues/programs/grants_loans/sustainable_water_solutions/index.shtml

Current Funding administered through State Water Board

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

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

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

Storm Water Grant Program (SWGP) Proposition 1

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

Clean Water Act §319(h) Nonpoint Source Grant Program: 2017 Federal NPS Grant Solicitation

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

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

2017 Timber Regulation and Forest Restoration Fund

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

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

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

Implementation of Agricultural Best Management Practices in Alfalfa, Almonds, and Cotton that Aid in Restoration of the San Joaquin River Watershed (\$749,997) – The Sustainable Cotton Project will continue work engaging more farmers of alfalfa, cotton, almonds and more acres in the Lower San Joaquin River watershed in implementing proven BMPs. Chlorpyrifos and diazinon comprise the adopted TMDL for the watershed. This grant works to reduce or eliminate farmers' use of diazinon and chlorpyrifos. (end date 6/30/19)

Eightmile Valley Sediment Reduction and Habitat Enhancement Project (\$749,992) – The Bureau of Land Management will reduce the volume of sediment delivered to Clear Lake by realigning a severely eroded stream channel, establishing a prescriptive treatment for erosion control, installing grade control structures and engineering bank revetment using hardscape, bioengineering and revegetation. (end date 5/31/2019)

Timber Regulation and Forest Restoration Fund:

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

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

Grants to be executed by 30 June 2017:

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

PUBLIC OUTREACH

On 31 January, Janis Cooke attended a symposium focused on contaminants in the Bay-Delta and tools to examine combined effects of contaminants and other stressors. The symposium was sponsored by the Delta Science Program and UC Davis Coastal and Marine Sciences Institute.

On 25 January, Guy Chetelat participated in the California Cyanobacteria Hazardous Blooms (CCHAB) Workshop held in Sacramento. Tribal representatives, agencies, scientists, and the public discussed new U.S. EPA cyanobacteria toxin exposure recommendations for contact recreation. Other topics discussed were satellite detection of blooms, mitigation options, lessons learned from the 2016 blooms, and current bloom status.

On 13 February, Scott Hatton attended a public meeting with the Tranquillity Public Utilities District to discuss the requirements for getting coverage under the General Order for small domestic wastewater treatment systems and fees associated with Waste Discharge Requirements.

On 13 February, Zaira Lopez-Narvaez attended the Madera Integrated Regional Water Management (IRWM) meeting. The meeting focused on updating the group on current projects and on Mountain Counties and San Joaquin Valley IRWM progress. The Madera IRWM approved to submit a Letter of Support for the Sierra Institute for future involvement in the Mountain Counties IRWM. The next action step will be to contact the representative of the San Joaquin Valley IRWM in order to prepare the development and participation in a proposal to Department of Water Resources for DAC Involvement.

On 14 February, Anthony Toto attended the Fresno Environmental Reporting Network (FERN) task force meeting to review and provide updates regarding environmental complaints lodged by various disadvantaged community groups and members. Anthony emailed the director information regarding Supplemental Environmental Project, Cal/EPA Complaint website, State Water Board data and databases, and information on regulated sites in the Riverdale area.

On 15 February, Zaira Lopez-Narvaez attended the Tuolumne-Stanislaus Integrated Regional Water Management (T-Stan IRWM) Watershed Advisory Committee (WAC) meeting. The meeting focused on discussing the group's involvement in the Mountain Counties IRWM committee. The WAC approved to financially support the Sierra Water Work Group for the development and participation in a proposal to Department of Water Resources for DAC Involvement for the Mountain County Funding Area. The next action will be to update the T-Stan IRWM plan to meet Prop 1 standards.

On 15 February, Roy "Trey" Sherrell and Griffin Perea facilitated a workshop with Lake County Cannabis Cultivators and the California Department of Fish and Wildlife. Topics included a general overview of the Central Valley Water Board's General Order for Cannabis Cultivation (General Order), how to enroll for coverage under the General Order, correct selection and implementation of Best Management Practices, and how to start the 1602 Lake and Streambed Alteration Agreement process.

On 15 February, Christine Joab attended the kick-off meeting for the Biostimulatory Substances/Biological Integrity Amendment project hosted by the State Water Board. This was an initial meeting for the new approach combining the Numeric Nutrient Endpoint and biological integrity projects in one project to address biological integrity and nutrients in freshwater streams.

On 21 February, Jennifer Fuller and Patrick Morris attended the Delta Tributaries Mercury Council meeting.

On 22 February, Zaira Lopez-Narvaez attended the Kaweah Integrated Regional Water Management (IRWM) meeting. The meeting focused on discussing and reviewing the Feasibility Study/Technical Report; Disadvantaged Community Water Quality Solutions Eastern Kaweah River Basin. The group decided to approve the report as is and submit it to the Department of Water Resources (DWR). Also, the Kaweah IRWM recently submitted an updated IRWM plan to meet Prop 1 standards and they expect to receive comments from DWR by the next meeting on 15 March 2017.

On 23 February, Lynn Coster attended Sediment and Erosion Control Plan (SECP) Grower Self-Certification Training at the Dixon/Solano subwatershed. The training provided general knowledge of sediment and erosion control in agricultural settings and information on how to complete and certify a SECP. An examination for grower certification followed the training.

On 23 February, Christine Joab attended an ACWA Watersheds webinar on EPA's Cyanobacteria Monitoring Collaborative. The webinar focused on three web-based tools (BloomWatch, CyanoScope, and CyanoMonitoring) being used across the country by local citizens and state agencies, how to use them to improve monitoring, and how to incorporate them into a variety of water quality programs.

On 1 March, Doug Barber and Jeremy Pagan attended the Paradise Irrigation District (PID) Board meeting in the town of Paradise (Butte County), at the request of the PID Board. Mr. Barber delivered a presentation on PID's National Pollutant Discharge Elimination System (NPDES) permit to discharge water treatment plant filter backwash to Magalia Reservoir. PID is not able to comply with final effluent limits in the permit and is currently under a compliance schedule to make facility improvements. PID has selected a project to eliminate surface water discharge and is also investigating other solutions with respect to the regulatory timeline to achieve final compliance.

On 1 March, Ben Letton participated in a panel discussion, Regulatory Affairs Committee Meeting, before the California Forestry Association's (CFA) Annual meeting in Napa. Panel participants included John Ramaley, CalFire; Charlie Martin, CalFire; Bill Short, California Geologic Survey; Jim Burke, North Coast Regional Water Quality Control Board; Joe Croteau, Department of Fish and Wildlife; and Bill Condon, California Department of Fish and Wildlife. CFA members expressed concerns that non-expiring timber plans such as NTMPs may not be functioning as intended in terms of a long-term reduction in cost associated with the permitting side of timber harvest planning. Other topics included pre-consultations, better communication prior to PHIs, improved disclosure of erosion sites in THPs, and the need for better efficiency with process as a whole.

On 2 March, Clint Snyder participated in a panel discussion, Marijuana Legalization, Regulation and Impacts, before the California Forestry Association's (CFA) Annual meeting in Napa. Panel participants included Matt St. John, Executive Officer, North Coast Water Board; Jim Houston, Undersecretary, CDFA; Scott Bauer, Environmental Scientist, CDFW, and Rex Bohn, Humboldt County Board of Supervisors. CFA members expressed concerns regarding waste discharges and impacts to wildlife from cultivation activities on or adjacent to timber lands. CFA members also requested that any permitting requirements applicable to cultivators be consistent with those applied to the timber industry.

On 2 March, Sue McConnell and Lynn Coster provided a presentation on the status of the ILRP to the Northeastern California Water Association Sub-watershed Group of the Sacramento Valley Water Quality Coalition. The presentation included a discussion of the State Water Board's response to the petition of the East San Joaquin Coalition's General Order, ILRP success stories, groundwater protection efforts, irrigated pasture requirements and recent enforcement efforts.

On 2 March, Zaira Lopez-Narvaez and Marcus Ellison attended the California Almond Sustainability Program: Efficient Irrigation and Nitrogen Use Workshop. The meeting focused on teaching growers how to use the California Almond Sustainability Program online system to fill out assessments, review previous reports, and use different tools such as the nitrogen calculator and the irrigation calculator. Also, Parry Klassen from the East San Joaquin Water Quality Coalition gave an update on the Irrigated Lands Regulatory Program which mainly addressed Nitrogen Management Plans.

On 2 March, Bethany Soto participated at the Fresno County National Fish and Wildlife Foundation (NFWF) Projects Intro Meeting held at the Sierra National Forest Supervisors office. The NFWF is actively soliciting project proposals and discussed the application process for the foundation's available funds. Attendees presented projects for consideration of funding to NFWF and acquired assistance for proposal submission.

On 1-3 March, Selina Cole, Janis Cooke, Amanda D'Elia, Tessa Fojut, Christine Joab and Charlotte Nohra attended the 2017 Interagency Ecological Program's Annual Workshop in Folsom, CA.

On 6 March, Guy Chetelat attended the North Sacramento Valley Integrated Regional Water Management (IRWM) Board meeting in Willows. County representatives discussed Sustainable Groundwater Management Act activities (SGMA). Concern was raised regarding funding SGMA compliance and potential loss of IRWM support as the State focusses resources on infrastructure repairs and maintenance.

On 7 March Alex MacDonald provided nation-wide training via the internet for the Integrated DNAPL Source Site Strategy Team of the Interstate Technical Regulatory Council (ITRC). Alex was one of four instructors for the 2.25-hour training on the ITRC document *Use and Measurement of Mass Flux and Mass Discharge* (2010). This was the twelfth training session on the document. The training is provided free of charge and approximately 330 people world-wide attended the training.

On 7 March, Eric Warren provided a presentation at the California Department of Food and Agriculture/University of California Nitrogen management training, hosted by the California Association of Pest Control Advisors in Fresno. The presentation covered the aspects of the Irrigated Lands Regulatory Program, and reporting requirements under the Tulare Lake Basin Area General Order. Attendees who completed the training will be certified to prepare Nitrogen Management Plans for growers throughout the region.

On 7 March, Anthony Toto attended via conference call, 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

On 9 March, Bethany Soto participated at the Southern Sierra Integrated Regional Water Management (IRWM) group meeting. The meeting focused on project updates, regional planning and project implementation. The meeting also included a discussion of potential projects while prioritizing actions and considering available funding sources.

On 10 March, Janis Cooke attended in a meeting of the Bay Nutrient Management Steering Committee. The Committee considered FY 2018 science program priorities and budget and technical updates on nitrogen budgets, dissolved oxygen in South Bay, and harmful algal blooms.

On 15 March Alex MacDonald participated in the Aerojet Rocketdyne Community Advisory Group meeting in Rancho Cordova. The main topic that was discussed was the on-site and off-site soil vapor intrusion evaluation Aerojet is conducting. The off-site evaluation is located in the an area west of Hazel Avenue in the eastern part of the Gold River Community and businesses along Folsom Boulevard where there is shallower groundwater polluted with trichloroethylene. Sampling in Gold River did not show a concern with vapor intrusion into indoor air.

Alex also presented information regarding recent cleanup activities on the Aerojet site and adjacent Inactive Rancho Cordova Test Site, including the installation of several groundwater monitor wells and the soil removal activities at the AMPAC facility

**PERSONNEL AND ADMINISTRATION
STAFFING UPDATE**

January 28, 2017 through March 8, 2017

Promotion:

Christopher Flower – Senior Engineering Geologist

Leave of Absence:

Nicole Morgan – Supervising Water Resource Control Engineer

Jacqueline Gonzales – Office Assistant

Retirement:

Chris Cochrane – Engineering Geologist

Jacque Kelley – Sanitary Engineering Associate

Authorized Positions:

Vacant Positions:

Separations	New Hires
	Matthew Krause – Environmental Scientist Jason Schroeder – Engineering Geologist

Temporary Help Positions

Separations	New Hires
Taylor Diamond – Scientific Aid Naomi Diep – Scientific Aid	Lovdeep Singh – Scientific Aid Krista Aschenbrener – Scientific Aid Gregory Hendricks – Scientific Aid Ashley Bonsey – Seasonal Clerk Megan Ceccato – Seasonal Clerk

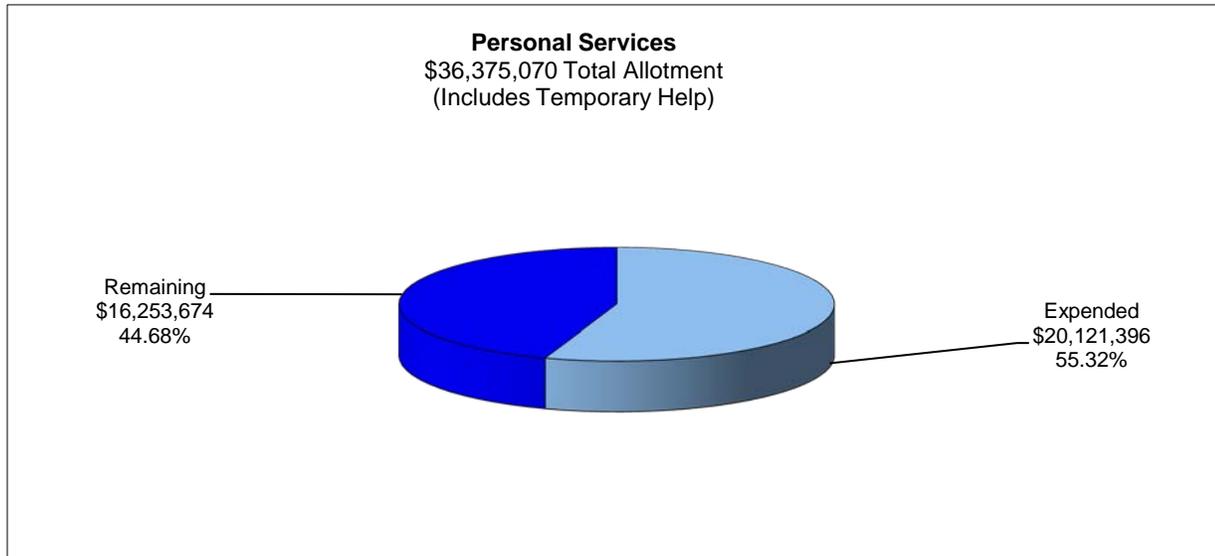
TRAINING UPDATE
January 28, 2017 through March 8, 2017

Class Title	Number of Attendees
2017 IEP Annual Workshop	6
40-Hour HAZWOPER	1
8-Hour HAZWOPER	2
AED/CPR/First Aid	6
Basic Supervision for State Supervisors	5
Chemistry Refresher for Environmental Professionals	13
Contract Management	9
Creativity and Innovation	1
Defensive Driver	1
Emotional Intelligence	24
Field Safety	3
Fundamental Inspector Course – Online	1
Intro to CEQA for the Water Boards	18
Introduction to ArcGIS for the Water Boards	1
Introduction to Groundwater & Watershed Hydrology	1
Long-term Containment Management Using Institutional Controls	1
Metal Attenuation in Soil and Groundwater: Applying the Six Scenarios	18
Multi-State Salinity Conference	1
New Approach in Remediation of Contaminated Sediments	1
Risk Communication for Water Board Staff	4
Security Awareness	42
Site User Option	1
Stormwater Pollutant Chemistry, Monitoring BMP Effectiveness	7
Stream Simulation Design Approach for Providing Aquatic Organism Passage at Road-Stream	2
Verbal Judo for Inspectors	1

FISCAL UPDATE
Through January 31, 2017
(Approximately 59% should have been expended)

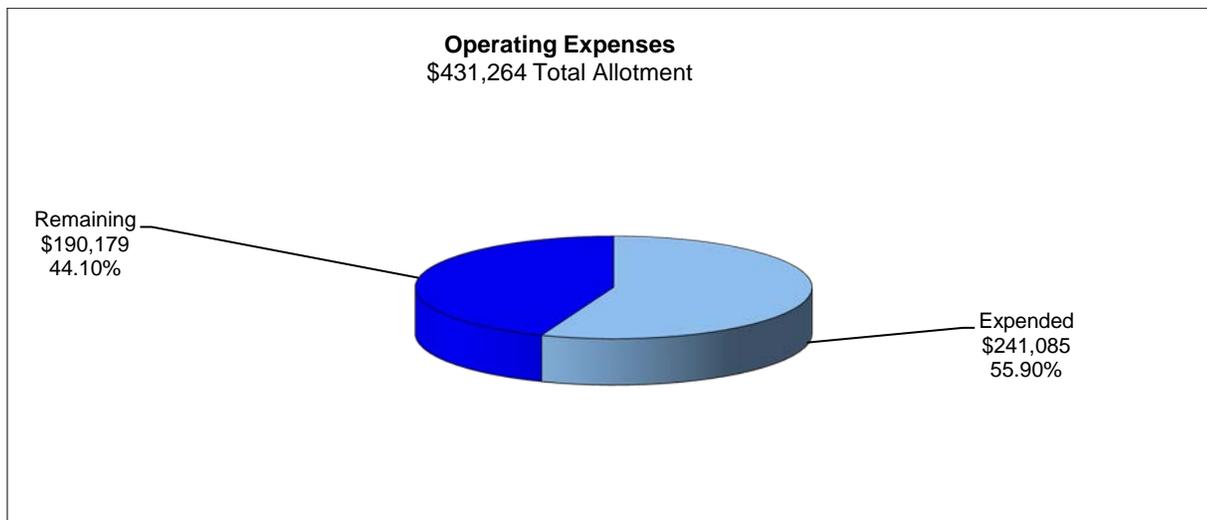
Personal Services:

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



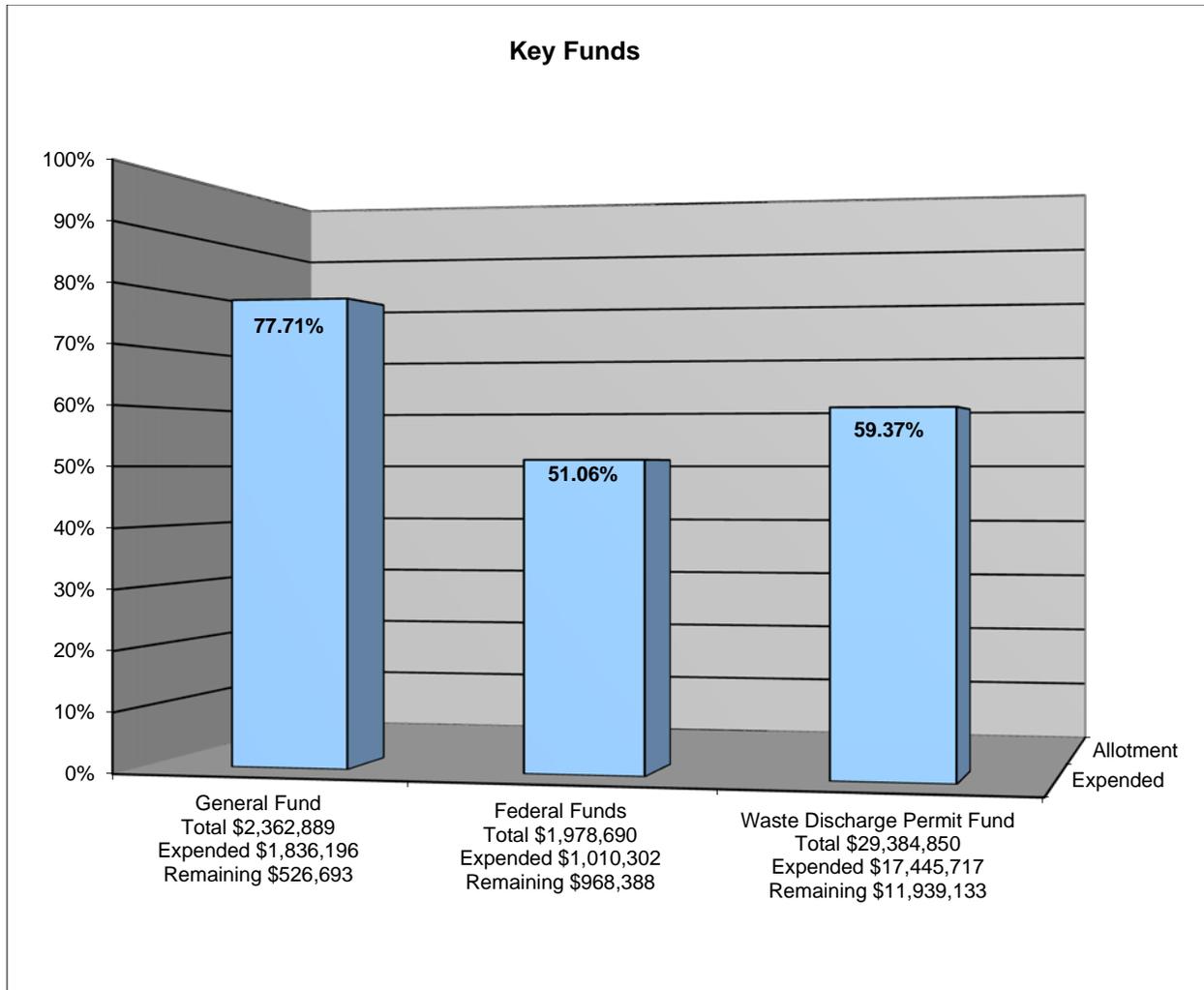
Operating Expenses:

The information below represents the budget for the 2016-17 Fiscal Year. Our Operating Expense budget is \$431,264.



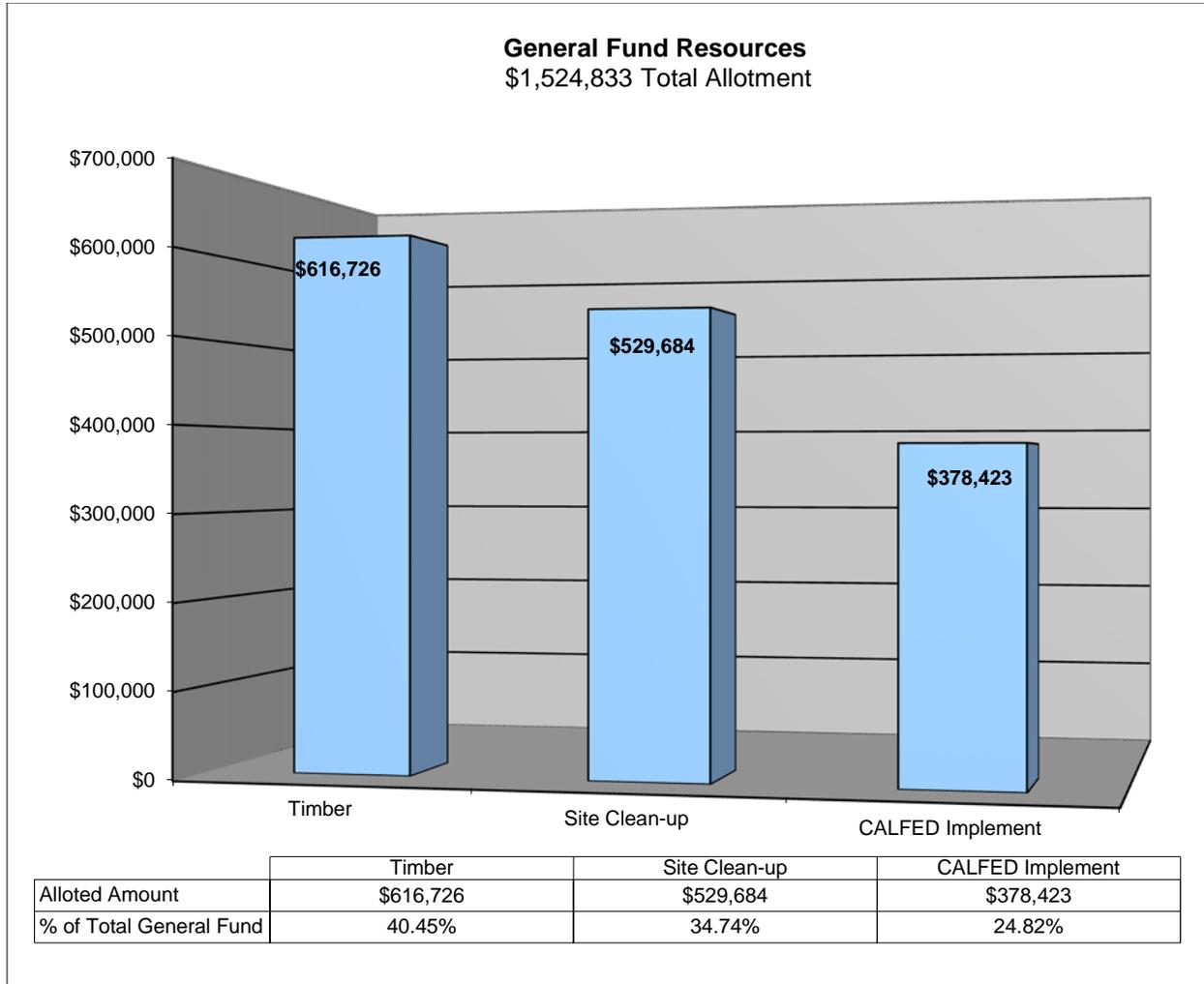
Key Funds

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



General Fund Resources:

Our General Fund budget for the 2016-17 Fiscal Year is \$1,524,833. The Legislature and the Governor have directed our General Fund monies to specific programs. We have very little discretion in shifting these resources from one program to another.



CONTRACTS

Contract #	Contractor Name	Description	Start Date	End Date	Amount
Administrative Support Services					
15-072-150	California Reporting	Court Reporter Services	7/1/2015	6/30/2018	\$36,000
15-150-0758	California Reporting	Court Reporter (off-site)	10/1/2015	6/30/2017	\$4,800
16-150-193	Eaton Interpreting Services	Interpretative Services	7/1/2016	6/30/2017	\$1,200
TBD	Your Membership Inc.	On-line job postings	TBD	3/1/2018	\$28,000
Operational Support Services					
15-011-150	Moore Twining	Lab Analysis – Fresno	1/31/2016	1/31/2018	\$130,000
15-077-150	Basic Laboratory	Lab Analysis – Redding	1/31/2016	1/31/2018	\$110,000
16-018-150	Monterey Bay Analytical	Lab Analysis – Rancho Cordova	7/20/2016	6/30/2018	\$160,000
15-023-150	Air Shasta Rotor & Wing	Helicopter Services	10/7/2015	9/30/2017	\$40,000
16-015-150	Veiola Technical Solutions	Lab cleanup	12/2/2016	6/30/2017	\$3,575
16-029-150	Courtney Aviation	Airplane Services	Upon approval	3/31/19	\$40,000
Water Quality Study/Planning					
14-025-150	Delta Conservancy	Delta Mercury Exposure Reduction Program	6/27/2014	6/30/2017	\$370,000
14-030-150	United States Geological Survey (USGS)	Urban and Agriculture Pesticide Monitoring	4/21/2015	3/31/2017	\$175,000
14-043-150	Department of Water Resources (DWR)	Water Quality Trends	11/1/2014	3/31/2017	\$477,715
14-044-150	University of California, Davis (UCD)	5 priority pesticide water contaminants	6/8/2015	3/31/2017	\$125,000
14-095-150	DWR	GIS File Geodatabase	5/1/2014	3/31/2017	\$150,000
15-035-150	The Regents of UC Davis	Large Scale Analysis of Annual Report Data	8/14/2015	3/31/2017	\$150,000
15-084-150	USGS	Sampling Validation	4/1/2016	3/31/2018	\$19,968
15-047-150	San Jose State Foundation	Support for Statewide Mercury Control Program	1/6/2016	3/31/2018	\$200,000

FUTURE BOARD ACTIVITIES

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

JUNE 2017 BOARD MEETING

WASTE DISCHARGE REQUIREMENTS (WDR) PROGRAM – DISPOSAL TO LAND

- Angels City WWTP Renewal
- Malakoff Diggins New Permit
- City of Modesto WQCF Renewal
- Digger Bay Marina (Revised WDRs)
- Grimmway Buttonwillow Potato Processing (Revised WDRs)
- Ingomar Packing (Revised WDRs)
- J.G. Boswell Tomato Processing (Revised WDRs)
- Linda County Water District WWTP Renewal
- McCloud WWTP (Revised WDRs)
- Monarch Nut (Revised WDRs)
- Nevada City WWTP Renewal
- Palo Cedro Wastewater Treatment Facility (Revised WDRs)
- Sun Pacific Shippers, Bakersfield (Revised WDRs)
- UC Davis CABA Rescission

LOCAL AREA MANAGEMENT PROGRAM APPROVALS

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

LAND DISPOSAL PROGRAM – CHAPTER 15/TITLE 27

- Loyalton Landfill, Sierra County (Revised WDRs)
- Rock Creek Landfill, Calaveras County (Revised WDRs)
- Red Bluff Landfill, Tehama County (Revised WDRs)

CONFINED ANIMAL FACILITIES PROGRAM

- General Order for Confined Bovine Feeding Operations

IRRIGATED LANDS REGULATORY PROGRAM

- MPEP Information Item? (postponed from April)
- Sac/San Joaquin Non-enrollment ACLs

AUGUST 2017 BOARD MEETING

WASTE DISCHARGE REQUIREMENTS (WDR) PROGRAM – DISPOSAL TO LAND

- City of Newman (Revised WDRs)
- City of Fresno WWTF (Revised WDRs)
- City of Visalia WWTF (Revised WDRs)
- Olam Tomatoes, Williams Plant (New WDRs)
- SPI Anderson (New WDRs)

LOCAL AREA MANAGEMENT PROGRAM APPROVALS

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

LAND DISPOSAL PROGRAM – CHAPTER 15/TITLE 27

CONFINED ANIMAL FACILITIES PROGRAM

- Update on Pastured Poultry Operations (Information Item)

IRRIGATED LANDS REGULATORY PROGRAM

-

OILFIELDS

-

OCTOBER 2017 BOARD MEETING

WASTE DISCHARGE REQUIREMENTS (WDR) PROGRAM – DISPOSAL TO LAND

- City of Modesto (Revised WDRs)
- City of Tracy WWTP Renewal
- Farmersville WWTF (Revised WDRs)
- Treehouse Almonds (Revised WDRs)

PENDING ACTIONS, BUT NOT YET SCHEDULED FOR A BOARD MEETING

WASTE DISCHARGE REQUIREMENTS (WDR) PROGRAM - DISPOSAL TO LAND

LAND DISPOSAL PROGRAM – CHAPTER 15/TITLE 27

- Auburn Landfill, Placer County (Revised WDRs)
- Deuel Vocational Institute, San Joaquin County (Revised WDRs)
- Eastlake Landfill, Lake County (Revised WDRs)
- Loomis Landfill, Placer County (Updated WDRs)
- Loyaltan Landfill, Sierra County (Revised WDRs)
- Recology Ostrom Road Landfill, Yuba County (Revised WDRs)
- Union Mine Landfill, El Dorado County (Revised WDRs)

PENDING ACTIONS BUT NOT YET SCHEDULED FOR A BOARD MEETING

- Barrel Ten Winery (Revised WDRs)
- Bully Hill Rising Star Mines (New WDRs)
- CA Dept. of Corrections, Mule Creek (Revised WDRs)
- Calaveras County Water District, Copper Cove WWTF (Revised WDRs)
- City of Atwater, Regional WWTF Rescission
- City of Colfax WWTF Renewal
- City of Galt (Revised WDRs)

- City of Huron (WWTF)
- City of Lone (Revised WDRs)
- City of Lemoore WWTF (Revised WDRs)
- City of Lodi (Revised WDRs)
- City of Manteca WWTF (Revised WDRs)
- City of Patterson WWTF (New WDRs)
- City of Redding, Stillwater WWTF Renewal
- City of Richgrove WWTF (Revised WDRs)
- City of Tuolumne WWTF (Revised WDRs)
- City of Visalia WWTF Rescission
- Delicato Family Vineyards (Revised WDRs)
- Delleker WWTP Renewal
- Dunsmuir WWTP Renewal
- E&J Gallo Livingston (Revised WDRs)
- E&J Gallo Madera (Revised WDRs)
- El Dorado Hills WWTP Renewal
- Exeter Ivanhoe Citrus (Revised WDRs)
- Golden Feather School District, Spring Valley School (Revised WDRs)
- Ironhouse Sanitation District (Revised WDRs)
- Kiefer Landfill Renewal
- Lake County Environmental Health Division (LAMP)
- Leprino Foods Lemoore (Revised WDRs)
- Liberty Packing Tomato Processing (Revised WDRs)
- Lions Raisins Selma Plant (Revised WDRs)
- London CSD (Revised WDRs)
- Malaga WWTF Rescission
- Mariposa WWTF Permit Amendment and new Time Schedule Order
- Maxwell PUD (Revised WDRs)
- Mokelumne Rim Vineyards (Revised WDRs)
- Morningstar Packing Company (Revised WDRs)
- Mount Shasta WWTP Renewal
- Mountain House WWTP Renewal
- North State Rendering Tallow Plant (Revised WDRs)
- Olson Meats (Revised WDRs)
- Portola WWTP Renewal
- Primex Pistachios (Revised WDRs)
- Red Bluff WWTP Renewal
- Sierra County Environmental Health Services (LAMP)
- Spanish Mine, Nevada County (New WDRs)
- SPI Anderson Rescission
- Sun Maid Raisins Orange Cove (Revised WDRs)
- Tasteful Selections (Revised WDRs)
- Tomatek and City of Firebaugh (Revised WDRs)
- Wonderful Pistachios (Revised WDRs)
- Yocha De He Tribe (Revised WDRs)
- Yuba City WWTF Renewal

SIGNIFICANT POLICIES, PLANS AND PERMITS TABLE

See next Page

Significant Policies, Plans and Permits Under Development or Pending Development

Key	Item	Status	Statewide or Regional Project	Org. Lead
A-14	Central Valley Diazinon and Chlorpyrifos Basin Plan Amendment	2017-03-09 Amendment addressing chlorpyrifos and diazinon in hundreds of valley floor rivers, streams and creeks adopted by Regional Board on 28 March 2014. Approved by the State Water Board on 16 June 2015. Approved by OAL on 8 March 2017. USEPA review expected by May 2017. (Staff contact, Danny McClure)	Regional	R5
A-15	Central Valley Pyrethroids Basin Plan Amendment	2017-03-08 A draft Basin Plan Amendment & Staff Report was released in January 2017. A comment hearing was held February 2017, and a hearing to consider adoption is scheduled for June 2017.	Regional	R5
A-15	Basin Plan Amendment for a region-wide evaluation process for the Municipal and Domestic Supply (MUN) beneficial use in agriculturally dominated surface water bodies	2017-03-07 Staff report released 23 January 2017. Comment period through 17 March 2017. Board hearing was held February 2017 with Board consideration in June 2017.	Regional	R5
A-15	Central Valley Diuron Basin Plan Amendment	2017-03-08 A review of the most current water quality information indicates the Irrigated Lands Regulatory Program is effectively addressing all diuron impairments. Therefore staff is preparing documentation for de-listing or listing the impairments as being addressed by an existing regulatory program. The 2014 Integrated Report included documentation for listing several diuron impairments as being addressed by an existing regulatory program and not needing TMDLs (category 4b). Additional de-listings and/or category 4b demonstrations are underway.	Regional	R5

Key	Item	Status	Statewide or Regional Project	Org. Lead
A-16	Establish New Water Quality Objectives for Salinity and Boron in the Lower San Joaquin River - Amendment to the Sacramento River and San Joaquin River Basin Plan.	2017-03-07 Regional Board completed CEQA Scoping meeting in March 2009. Development of proposed water quality criteria for inclusion in a staff report in support of a proposed BPA establishing EC WQOs has been completed in 2015 by the stakeholder driven, CV-SALTS Lower San Joaquin River sub-committee. Staff are preparing the staff report and proposed BPA. A Regional Board workshop was held on 17 August 2016 and provided an overview of the proposed amendment. A Regional Board Hearing to accept public comments will in April 2017, and consideration for adoption of the amendment will be in June 2017.	Regional	R5
A-16	General Order for Poultry Facilities	2017-01-23 Order No. R5-2016-0087, Adopted on 6 December 2016. A General Order update is scheduled to be presented in front of the Board in August 2017.	Regional	R5
*A-16	Phase I update of the Bay-Delta Plan:- San Joaquin River flows and southern Delta salinity.	2016-08-03 The Draft Substitute Environmental Document (SED) was released on December 31, 2012 for public comment. Hearing to receive comments on the SED was held on March 20-21, 2013, and comments were received by March 29, 2013. Revised Draft SED to be recirculated for public comment in summer of 2016. Draft plan amendment to be brought to the Board for consideration in early 2017.	Statewide	SB
A-16	General Order of WDR for Discharges Related to Timberland Management in the Central Valley	2017-03-14 Four public meetings and multiple focus group meetings were held beginning in late 2015 through 2016 to discuss changes to the current Timber Waiver of WDRs, this resulted in the drafting of a General Order. Staff presented an informational item to the board in October 2016 and received additional feedback from the board and stakeholders. Staff expects to release the tentative Order for public comment on 17 March 2017 and to take a final proposal to the board in June 2017.	Regional	R5
A-16	Big Creeks Projects - Clean Water Act, Section 401, Water Quality Certification	2016-10-25 The State Water Board is developing a water quality certification and associated California Environmental Quality Act (CEQA) document for six hydroelectric projects that are owned and operated by Southern California Edison Company in Fresno and Madera counties: Big Creek Nos. 2A, 8, and Eastwood; Big Creek No. 3; Mammoth Pool; Vermillion Valley; Portal; and Big Creeks Nos. 1 and 2. The water quality certification will become part of the Federal Energy Regulatory Commission licenses for the six projects. The draft certification and draft CEQA document are expected to be released for public review in the Fourth Quarter 2016.	Statewide	SB

Key	Item	Status	Statewide or Regional Project	Org. Lead
A-17	Surface Water Augmentation with Recycled Water Regulations	2017-02-28 The Division of Drinking Water is currently developing the regulation package for use of recycled water to augment surface water reservoirs used for drinking water supplies. As required by Water Code sections 13562 and 13565, an Expert Panel has been assembled to review the criteria and to ultimately make a finding that the criteria are protective of public health. The Expert Panel reviewed the initial draft regulation, which was then submitted for completion of the peer review process required via H&SC section 57004. The Expert Panel has reviewed the peer review comments and is currently formally reviewing the latest draft regulation. If acceptable, the regulation will be noticed for public comment.	Statewide	SB
A-17	Revised Total Coliform Rule	2017-03-06 The Federal Revised Total Coliform Rule became effective on April 1, 2016. Division of Drinking Water staff is in the process of drafting state regulations that are at least as stringent as federal regulations but include California-specific requirements. Staff anticipates releasing draft regulations in the spring of 2017 during public workshops, with a public review period later in 2017 and a proposed Board Adoption date in mid--2018.	Statewide	SB
A-17	Bacteria Standards for Ocean and Inland Surface Waters	2017-02-14 The State Water Board is developing proposed statewide bacteria water quality objectives and a proposed control program to protect human health in waters designated for water contact recreation (REC-1) from the effects of bacteria. The bacteria water quality objectives are proposed to be adopted as amendments to the Statewide Inland Surface Waters, Enclosed Bays and Estuaries Plan, and the California Ocean Plan. Staff plans to release draft documents for public comment in April 2017. A scoping meeting on the inclusion of a water quality variance policy was held on January 23, 2017. State Board Web site: http://www.waterboards.ca.gov/bacterialobjectives/	Statewide	SB
A-17	Phase II Small Municipal Separate Storm Sewer System (MS4) Permit Amendment	2017-03-13 State Water Board staff developed a proposed amendment for the Small MS4 Statewide General Permit, Attachment G (titled Region-specific Total Maximum Daily Loads (TMDL) Implementation Requirements) and the permit Fact Sheet. The proposed amendment includes: (1) new and revised implementation requirements based on corresponding TMDL waste load allocations, and (2) final compliance dates for the new and revised implementation requirements. In 2015, an informal draft amendment was released to Regional Water Quality Control Board staff and permittees for administrative review, and subsequent workshops were conducted throughout the state as requested. The draft amendment was changed and the Fact Sheet rewritten to provide history and basis for the TMDL Amendment. The draft amendment is currently under review by State Water Board Office of Chief Counsel.	Statewide	SB

Key	Item	Status	Statewide or Regional Project	Org. Lead
A-17	Statewide Aggregate General Order	2017-02-15 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	2016-07-13 State Water Board staff is in the process of a phased review and update of the 2006 Water Quality Control Plan for the Bay-Delta (2006 Bay-Delta Plan). The second phase of the review focuses on the following issues: (1) Delta outflow objectives, (2) export/inflow objectives, (3) Delta Cross Channel Gate closure objectives, (4) Suisun Marsh objectives; (5) potential new reverse flow objectives for Old and Middle Rivers; (6) potential new floodplain habitat flow objectives; (7) potential changes to the monitoring and special studies program, and (8) other potential changes to the program of implementation. Staff is preparing a Scientific Basis Report that will provide the underlying scientific support for proposed flow and water quality objectives. The Report will consider recommendations provided in the Delta Science Program's Workshops Panel Summary Reports on Delta Outflows and Related Stressors (May 2014) and Interior Delta Flows and Related Stressors (July 2014). The working draft Scientific Basis Report is expected to be released for public review in late spring/early summer 2016. Staff is also developing a Substitute Environmental Document that will provide an evaluation of the potential environmental impacts of the proposed changes to the Bay-Delta Plan. This document is expected to be released for public review in 2017.	Statewide	SB
A-17	Nonpoint Source (NPS) Implementation and Enforcement Policy Amendments	2017-02-28 The NPS Implementation and Enforcement Policy (NPS Policy) is being updated as directed by Resolution 2012-0004 to reflect the current funding mechanisms for State Water Board and Regional Water Quality Control Board regulation of nonpoint source wastewater discharges. A draft for public review is tentatively scheduled for release in May 2017.	Statewide	SB
A-17	Unified Program Underground Storage Tank Surcharge Increase	2016-10-18 Underground Storage Tank (UST) Leak Prevention Program, as part of the CalEPA Unified Program, is funded by a surcharge applied to each operating UST. Surcharge funding is authorized by California Health and Safety Code. Revenue from the surcharge is intended to cover operating costs at the State Water Resources Control Board to oversee and implement the program; however the current amount fails to do so.	Statewide	SB

Key	Item	Status	Statewide or Regional Project	Org. Lead
A-17	Industrial General Storm Water Permit Amendment for TMDL Implementation	2017-03-14 State Water Board staff is developing an Industrial General Permit Amendment to incorporate proposed TMDL implementation language into the statewide permit. The proposed permit amendment is being developed in collaboration with the four Regional Water Boards that have adopted TMDLs applicable to industrial storm water discharges as a pollutant source to impaired water bodies (San Francisco Bay, Los Angeles, Santa Ana, and San Diego Regional Water Boards). The public comment periods for the four Regional Water Board's draft TMDL implementation language have ended. The Regional Water Boards will not take any board action on the proposed TMDL implementation language. State Water Board staff is reviewing all comments received during the Regional Water Board's public comment periods, developing proposed TMDL implementation language, and identifying the TMDL watersheds for a subsequent public comment period. State Water Board staff anticipates release of the proposed TMDL implementation language for public comment in late Summer 2017. A State Water Board public hearing for the proposed permit amendment is anticipated in Winter 2017.	Statewide	SB
A-17	Mercury TMDL and Implementation Plan (Statewide Reservoirs)	2017-02-28 In coordination with the Reservoir Mercury TMDL team, staff is preparing mercury provisions, which include both water quality objectives and a plan of implementation. Scientific peer review was initiated on May 1, 2016, and the scientific reviewers' comments were received on September 28, 2016. The draft mercury provisions were provided to the Regional Water Boards for review and comment on October 24, 2016. The draft staff report and the draft regulatory language were released to the public on January 3, 2017. The public comment period ended on February 17, 2017. Staff held public workshops to discuss the proposed mercury provisions on January 9, 2017 and February 1, 2017, and a Board hearing on February 7, 2017.	Statewide	R5
A-17	Petition Order for Central Valley Regional Board's Eastern San Joaquin Agricultural Order	2017-02-28 On February 8th, 2016, the State Water Board released a proposed order, SWRCB/OCC File A-2239(a)-(c), in response to petitions for review of the Central Valley Regional Water Quality Control Board's Eastern San Joaquin Agricultural Order. On May 4, 2016, a Board workshop was held at the Cal/EPA Building in Sacramento, followed by an additional Board workshop in Fresno, CA on May 17, 2016. The deadline for written public comments was June 1, 2016. Staff workshops were held in Sacramento at CalEPA on October 19, 2016, and November 18, 2016 to provide an opportunity for petition staff to ask detailed questions in response to comments received.	Statewide	SB
A-17	Mercury Water Quality Objectives & Implementation	2017-01-31 In coordination with the Reservoir Mercury TMDL team, staff is preparing mercury provisions, which include both water quality objectives and a plan of implementation. Scientific peer review was initiated on May 1, 2016, and the scientific reviewers' comments were received on September 28, 2016. The draft mercury provisions were provided to the Regional Water Boards for review and comment on October 24, 2016. The draft staff report and the draft regulatory language were released to the public on January 3, 2017. The public comment period will run from January 3, 2017 to February 17, 2017. Staff held public workshops to discuss the proposed mercury provisions on January 9, 2017 and February 1, 2017, and a Board hearing on February 7, 2017.	Statewide	SB

Key	Item	Status	Statewide or Regional Project	Org. Lead
*A-17	Maximum Contaminant Level (MCL) for 1,2,3-Trichloropropane (1,2,3-TCP)	2017-02-09 Division of Drinking Water staff have completed drafting all the elements that go into the regulations package, including the regulations text, Initial Statement of Reasons, Cost Estimating Methodology, Form 399 and Attachment A, as well as the Notice of Proposed Rulemaking. The package is currently going through CalEPA review before the package is sent to OAL to start the public comment period. Staff has met two major milestones and completed the Major Regulation Analysis (SRIA) and the External Scientific Peer Review and has prepared a draft of the CEQA document for public comment. Staff held focused stakeholder meetings in Visalia, Fresno, and Bakersfield in May and early June and held public workshops in Sacramento (July 20), Bakersfield (July 26), and Fresno (July 28) where the preliminary staff recommendation for an MCL was presented to the public. The public comment period is expected to start in early March 2017 and the public hearing is expected to take place in April 2017. Staff anticipate a Board Adoption date in the spring/summer of 2017, and then provide the regulations package to OAL for its final review and approval. The MCL is anticipated to be effective in the summer or fall of 2017.	Statewide	SB
*A-17	State Water Board Water Quality Enforcement Policy Amendments	2017-03-08 State Water Board staff has prepared proposed amendments to the Water Quality Enforcement Policy (Enforcement Policy). In 2010, the State Water Board adopted Resolution No. 2009-0083 amending the Enforcement Policy, which was approved by the Office of Administrative Law. The Enforcement Policy establishes a methodology for assessing administrative civil liability. The use of this methodology addresses the factors that are required to be considered when imposing a civil liability as outlined in Water Code section 13385, subdivision (e). The revised Enforcement Policy was released for public comment in August 2016. State Water Board hearing was Feb. 2017. The Board adoption hearing has been deferred to a later time.	Statewide	SB
A-17	Supplemental Environmental Projects (SEP)	2017-03-08 Assembly Bill 1071 requires us to update SEP policy. MCC meeting in March, with planned workshop in May and August Board adoption hearing.	Statewide	SB
A-17	General WDRs for Discharges of Waste Associated with Cannabis Cultivation Activities	2017-02-27 DWQ, DWR, OE, and the Regional Water Boards are preparing statewide WDRs for discharges of waste associated with cannabis cultivation. The WDRs are being prepared in conjunction with DWR to address water rights issues and the CDFA (issuing cannabis cultivation licenses).	Statewide	SB
A-17	Toxicity Amendments to the Inland Surface Waters, Enclosed Bays, and Estuaries Plan	2017-02-27 The draft amendment was circulated to the various Regional Boards for review and comment. Public Release of the draft staff report and proposed amendment is anticipated for June 2017 with a Board Hearing in July 2017. The proposed amendment is anticipated to be presented to the Board for consideration in October 2017.	Statewide	SB

Key	Item	Status	Statewide or Regional Project	Org. Lead
*A-17	Procedures for Discharges of Dredged or Fill Materials to Waters of the State (Proposed for Inclusion in the Water Quality Control Plan for Inland Surface Waters and Enclosed Bays and Estuaries)	2017-01-31 State Water Board staff is developing proposed Procedures for Discharges of Dredged or Fill Materials to Waters of the State. The draft procedures were released for public comments on June 17, 2016 and the Board held a hearing on July 19, 2016. The Comment period closed on August 18. Staff is reviewing comments and working on revisions to the policy, with a second public release anticipated for May 2017.	Statewide	SB
A-17	2014 and 2016 California CWA Section 303(d) List Approval	2017-03-15 Staff will combine the 2014 and 2016 California Integrated Reports and schedule the California CWA Section 303(d) List for approval at a State Water Board Meeting. This will allow the six participating Regional Water Boards (2, 3, 4, 5, 8, and 9) sufficient time to complete development of their reports and complete their Regional Water Board approval process. Regions 3, 5, and 9 have approved their Regional Water Board 303(d) Lists. Regions 2, 4, and 8 have their Regional Board 303(d) Lists out for public comment.	Statewide	SB
A-17	Natural Gas Company Discharges from Hydrostatic Testing Of Pipelines and Related Activities	2017-03-08 State Water Board staff is working with stakeholders to develop a Statewide General Order to regulate discharges from construction, hydrostatic testing, operation, and maintenance of natural gas facilities. The proposed Statewide General Order will provide regulatory coverage for discharges to surface water and land. The proposed Statewide General Order and the proposed CEQA documents will be issued for public review and comment in mid 2017, with subsequent State Water Board consideration of adoption in Late 2017.	Statewide	SB
*A-17	2014 and 2016 California Integrated Report Adoption	2017-02-28 Staff will combine the 2014 and 2016 California Integrated Reports and schedule the California CWA Section 303(d) List for approval at a State Water Board Meeting. This will allow the six participating Regional Water Boards (2, 3, 4, 5, 8, and 9) sufficient time to complete development of their reports and complete their Regional Water Board approval process. Regions 3, 5, and 9 have approved their Regional Water Board 303(d) Lists. Regions 2, 4, and 8 have their Regional Board 303(d) Lists out for public comment.	Statewide	SB

Key	Item	Status	Statewide or Regional Project	Org. Lead
A-17	Sediment Quality Objectives (SQOs) for Enclosed Bays and Estuaries: Phase II	2017-03-09 Water Board staff is developing a methodology to assess sediment quality in relation to the narrative human health SQO that protects human consumers from contaminants that bioaccumulate from the sediment into fish tissue. Staff is using the Los Angeles Long Beach Harbors TMDL as a case study to address many of the issues associated with the human health implementation framework as well as addressing other questions related to the application of SQOs as TMDL targets. Several groups and committees, including the SQO Advisory Committee, the Agency Coordination Committee, and the Harbor Technical Work Group (HTWG), are collaborating on studies that will assist in the development, testing, and implementation of Phase II SQOs. Staff presented an information item to the State Board on October 7, 2015. The SQOs are under development. Staff anticipates that the case study and test drive will be completed by mid 2017, followed by release of draft documents in July 2017. A public hearing and board meeting are anticipated for August 2017 and December 2017 respectively.	Statewide	SB
A-18	Permanent (Regular) Regulations for Point Of Use/Point of Entry Treatment Devices	2016-04-20 The State Water Board will be adopting permanent regulations governing the use of point-of-use and point-of-entry treatment devices by a public water system (PWS), in lieu of centralized treatment. Existing law requires the State Water Board to first adopt emergency regulations, followed by standard regulations, to establish criteria for applicable PWS that choose to provide treatment for drinking water through the use of POU or POE treatment devices. Emergency regulations were adopted by the Board on March 15, 2016 and became effective on April 1, 2016. Permanent regulations have to be effective by January 1, 2018 and Division of Drinking Water staff are in the process of drafting the permanent regulations.	Statewide	SB
A-18	Biostimulatory & Biological integrity Project	2017-02-28 Staff held Focus Group meetings from February 2016 to June 2016. An outreach document is available for public review at the State Water Board's website on the nutrient objectives webpage. Staff plans to update the project Regulatory and Stakeholder Advisory Groups on the technical science and information received during the focused stakeholder outreach meetings. Southern California Coastal Water Research Project staff are researching and developing the biological condition gradient model that will be used in the assessment of the effects of nutrients on stream biological conditions. A Stakeholder Advisory Group meeting was held on 12/22/2016 to update everyone on the revised work and science plans. Staff is updating the project webpage. The next stakeholder advisory group meeting is scheduled for March 17, 2017. A CEQA scoping meeting is anticipated for late 2017.	Statewide	SB
A-18	Statewide General Waste Discharge Requirements Order for Wineries	2017-02-24 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

Key	Item	Status	Statewide or Regional Project	Org. Lead
A-18	Statewide Urban Pesticides Reduction	2017-02-08 The State Water Board is developing a statewide multi-agency framework for urban pesticides reduction that will be proposed as amendments to the Inland Surface Waters, Enclosed Bays, and Estuaries Plan, and to the Ocean Plan. A multi-stakeholder project team is developing proposals for (1) an inter-agency coordination framework, (2) a regional monitoring framework, and (3) suggested permit language for MS4 permittees. The project is in the early development phase with CEQA Scoping Meetings scheduled for March 2017.	Statewide	SB
A-18	Amendment to the Recycled Water Policy	2017-01-17 The State Water Board adopted a resolution December 6, 2016 directing staff to amend the Recycled Water Policy and re-convene the Science Advisory Panel for Constituents of Emerging Concern. While the resolution outlined a preliminary list of topics to be updated or added to the policy, the resolution directs staff to work with stakeholders to develop an amendment to the policy and release a draft for public comment by March 2018. State Water Board staff is also developing a project charter and timeline for the next update of the Recycled Water Policy.	Statewide	SB
A-18	Environmental Laboratory Accreditation Regulations	2017-02-24 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 be clearly written and ensure standards for laboratory compliance is auditable and enforceable. The draft regulations are in development and staff anticipates holding staff workshops on the draft regulations Summer 2017, initiate the formal rulemaking process late 2017 and bring the proposed draft regulations to the State Board early 2018 for adoption.	Statewide	SB
*A	Onsite Wastewater Treatment Systems (OWTS) Policy Implementation	2016-10-04 The Local Agency Management Plan (LAMP) Guidance document was transmitted to the Regional Water Boards on June 4, 2015. All of the Regional Water Boards have amended their Basin Plans to implement the OWTS Policy. The State Water Board approved the amendments for Regions 1 through 9. State and Regional Water Board staff have been meeting with local agencies to facilitate LAMP development. On June 24, 2016, State Water Board staff held an informational forum with the Regional Boards to discuss policy implementation, LAMP submittals and reviews, challenges & successes, and statewide program coordination. To date, eight LAMPs have been approved by Regional Boards.	Statewide	SB
A	Chlorine Amendment	2017-01-31 The draft Total Residual Chlorine and Chlorine-Produced Oxidants Policy of California is being converted into an amendment to the Water Quality Control Plan for Inland Surface Waters, Enclosed Bays, and Estuaries of California.	Statewide	SB
A	General Order for Bovine Feedlots	2017-01-23 General Order to regulate bovine feedlots (other than dairies - e.g., heifer facilities, calf raising facilities, beef cattle facilities). Administrative Draft has been circulated. Tentative release is scheduled for February 2017, and is anticipated to be presented to the Board for consideration in April 2017.	Regional	5

Key	Item	Status	Statewide or Regional Project	Org. Lead
A	SB 83, Section 45 - Produced Water Pond Report	2017-02-02 The State Water Board posted on its website a status report on the regulation of oil field produced water ponds within each region on July 29, 2016. Link to report: http://www.waterboards.ca.gov/water_issues/programs/groundwater/sb4/index.shtml . Produced water is water extracted during oil production. The report included a tally of produced water ponds statewide by region, the number of permitted and unpermitted ponds, enforcement actions taken, and the status of permitting the unpermitted sites. The report will be updated every six months.	Statewide	SB
A	Natural Resources	2017-01-31 Staff is developing recommendations for making designations where natural background exceeds the water quality objectives.	Statewide	SB
A	CV-SALTS Developing a Salinity and Nitrate Management Plan for all basins in the Central Valley Basin Plan Amendment for the Sacramento River and San Joaquin River Basin Plan, Tulare Lake Basin Plan and the Delta Water Quality Control Plan	2017-01-26 Salt and Nitrate Management Plan posted a www.cvsalinity.org at the end of 2016 and formally submitted to the Central Valley Water Board on 12 January 2017. Hearing to consider acceptance of SNMP and direction to staff to begin Basin Plan Amendment process scheduled for 9 March 2017.	Regional	R5
A	Revision of General Order for Existing Dairies	2017-01-23 Revision of Revised General Order R5-2013-0122 to include requirements for land application areas consistent with the Irrigated Lands Regulatory Program requirements. Will draft revisions following Board consideration of the General Order for Bovine Feedlots.	Regional	R5

Key	Item	Status	Statewide or Regional Project	Org. Lead
A	Implement Lower San Joaquin River Salt/Boron TMDL	<p>2017-01-25 TMDL requires USBR and agricultural dischargers to operate under WDRs with monthly salt load allocations OR the development of MAA with USBR to mitigate salt loading to river and operation under a Central Valley Water Board approved real-time salinity management program (RTMP) for agricultural dischargers. Both updated MAA and a phased RTMP approved during 4 December 2014 Central Valley Water Board meeting (Resolutions R5-2014-0150 and R5-2014-0151, respectively). Salt load allocations also incorporated into appropriate Ag Coalition WDRs with option to participate in Board approved RTMP. USBR FY15/16 Annual Workplan to address salt loading accepted by EO on 24 September 2015, with Addendum in November 2015. USBR also submitted annual report updates in January 2016 and January 2017. The RTMP stakeholders formed a steering committee in October 2015 with the first meeting on March 1, 2016. The steering committee submitted its first annual report on March 31, 2016 and the second in January 2017. The steering committee has applied for a DWR grant for west side San Joaquin Valley monitoring stations on tributaries to the Lower San Joaquin River. USBR FY16/17 Annual Workplan was accepted by EO in September 2016.</p>	Regional	R5
A	Blue Green Algae Action Levels	<p>2017-01-03 State Water Board staff is working with a multi-entity workgroup consisting of the Water Boards, California Department of Public Health, Office of Environmental Health Hazard Assessment, United States Environmental Protection Agency, California Fish and Wildlife, the Department of Water Resources, tribes, water managers, and other interested parties to collaboratively work toward solutions in protecting the public, pets, livestock, and wildlife from the effects of harmful algal blooms (HABs). A charter for the CCHAB Network (a workgroup of the Water Quality monitoring Council) was approved by the CCHAB Network on September 29th. The group has also completed updates to portions of the the Draft Voluntary Guidance Document for California HABs related to cyanotoxin action levels, monitoring, and posting public notices of warning or closure. A web portal has been developed and is available to the public to assist in tracking blooms and alerting the public to the possible risks. Additional resources are being developed, including more complete information on sampling and monitoring blooms, information sheets for veterinarians, physicians, and the public on symptoms and health effects, and possible mitigation measures. The CCHAB Network meets quarterly in January, April, July, and October. U.S. EPA recently released draft criteria for two cyanotoxins, microcystin and cylindrospermopsin. Comments are due to U.S. EPA by February 17, 2017.</p>	Statewide	SB
A	New winery waste guidelines	<p>2017-01-26 Industry recommendations have been reviewed by CV-SALTS Management Practices Subcommittee. Currently the CV-SALTS Management Practices Subcommittee is on hold while salinity management alternatives are being evaluated. New state-wide general order being developed with consideration of these recommendations as well as others through the outreach program.</p>	Regional	R5

Key	Item	Status	Statewide or Regional Project	Org. Lead
A	Development of water quality criteria for the herbicides oxyfluorfen, prometryn, simazine and trifluralin and the insecticide fipronil. Recommended aquatic life criteria are being developed UC Davis under contract with RB5.	2017-02-02 Draft UC Davis criteria documents for the four herbicides were released for public comment (including comments on potential peer review topics) in June 2016. The Draft fipronil criteria document was released for public comment (including comments on potential peer review topics) in October 2016. Peer reviews are scheduled for August 2016-February 2017. Final reports will be complete in April 2017. for more information please see: http://www.waterboards.ca.gov/centralvalley/water_issues/tmdl/central_valley_projects/central_valley_pesticides/criteria_method/	Regional	R5
A	USFS MOU for BAER activities	2016-05-20 Staff has engaged the USFS in drafting an MOU that will outline the process by which the Regional Boards may choose to participate in USFS Burned Area Emergency Response (BAER) teams. Temporarily on hold due to vacancies at the Regional USFS office.	Regional	R5
A	Development of permit for Federal Non-Point Source activities on Forest Lands	2017-01-18 R5 staff is working with the USFS and the BLM to develop a permit to cover NPS activities with the potential to affect water quality. The R5 MS4 permit is being used as a model and an EIR will be developed to address CEQA. Additionally, our region is collaborating on this project with R6 and is currently working on a joint public participation plan.	Regional	R5
A	Delta Regional Monitoring Program- RMP	2017-01-20 The Delta RMP work plan and budget for FY16/17 includes toxicity/pesticides, pathogens, mercury, and nutrients.	Statewide	SB
A	Groundwater Quality Protection Strategy	2017-01-26 At the Central Valley Water Board's September 2010 meeting Resolution #2010-0095 was adopted which approved the Groundwater Quality Protection Strategy for the Central Valley Region, A Roadmap. Progress reports on the implementation of the priority actions were provided at the June 2012, December 2013, and February 2016 Central Valley Water Board meetings. An addendum to the Strategy has been made to incorporate Board input and posted on the Board's website. Fiscal Year 16/17 Workplan for ongoing and new actions is under development.	Regional	R5

Key	Item	Status	Statewide or Regional Project	Org. Lead
A	Cadmium Objective and Hardness Implementation Policy	2016-11-01 U.S. EPA updated its 304(a) recommended criteria for acute and chronic freshwater and saltwater aquatic life beneficial uses. However, the freshwater criteria are less stringent than required by the Endangered Species Act biological reviews of the California Toxics Rule in 2000 and the 2002 U.S. EPA acute cadmium criterion for freshwater adopted by the State of Oregon. Because Oregon shares Evolutionarily Significant Units for listed (threatened or endangered) species with Northern California, staff is awaiting the outcome of a rulemaking by U.S. EPA specific to Oregon. The rulemaking is expected to be finalized in summer 2019. Staff is developing proposed policy options for statewide cadmium objectives given this complex set of national and regional U.S. EPA cadmium criteria.	Statewide	SB
A	Statewide Storm Water Construction General Permit Reissuance	2017-01-17 State Water Board staff is developing the draft permit language for the reissuance of the current Statewide Storm Water Construction General Permit (also referred to as the CGP). The proposed CGP reissuance will include implementation of Total Maximum Daily Loads (TMDLs) and revisions to update the CGP requirements per information collected during the term of the existing permit. Further information on the development of the proposed permit reissuance, including stakeholder outreach information, will be located on the State Water Board's Construction Storm Water Program website at: http://www.waterboards.ca.gov/water_issues/programs/stormwater/construction.shtml	Statewide	SB
A	Suction Dredge Mining Activity	2017-01-31 Senate Bill 637 amended the California Water Code and the California Fish and Game Code to address the existing moratorium on suction dredge mining. As amended, the Water Code requires the State Water Board to gather stakeholder input to assist in its determination regarding how to regulate suction dredge mining activities. The Department of Fish and Wildlife (DFW) must amend its regulations to allow DFW permits to be issued after a suction dredge miner obtains a permit or correspondence from the State Water Board permitting the proposed mining activity. State Water Board staff, together with DFW staff, conducted four public outreach workshops throughout the State in January 2017 and will conduct a fifth in Sacramento on February, 6 2017.	Statewide	SB
C	Trash Water Quality Control Plan Amendments Implementation-Approved Treatment Control devices and systems	2017-03-13 On January 12, 2016, U.S. EPA approved the State Water Board Trash Water Quality Control Plan Amendments. State Water Board staff developed a list of devices that meet the requirements for certification as "full capture systems" as defined in the Trash Water Quality Control Plan Amendments, which were grandfathered in from the Los Angeles and San Francisco Bay Regional Water Boards approved treatment control devices. In September 2016, staff, in coordination with California Stormwater Quality Association (CASQA), requested information from local municipalities about their experiences with the full capture systems. Information regarding the full capture systems will be added to the list as a reference to others seeking to implement a specific system. The completed and approved full capture system list will be available to the public on the State Water Board Municipal Storm Water website (http://www.waterboards.ca.gov/water_issues/programs/stormwater)	Statewide	SB

Key	Item	Status	Statewide or Regional Project	Org. Lead
A	Implement Mercury TMDL/Control Program in Cache Creek Watershed - Sacramento River and San Joaquin River Basin Plan	2017-01-20 Mining wastes at six inactive mercury (Hg) mines in the upper Cache Creek watershed were remediated in summer 2016 to prevent the continued erosion of mercury sediment into Sulphur Creek, a tributary to Cache Creek.	Regional	R5
P	Water Effects Ratios	2016-07-25 The project will establish criteria for developing site specific objectives for metals based on the water effect ratios for a specific water body. Staff will prepare a proposed Water Effects Ratio Policy at a future date.	Statewide	SB
P	Antidegradation Policy	2016-11-10 The State Water Board issued a draft scoping document and held follow-up focused stakeholder meetings in June and July 2015. Comments from these meetings are summarized and posted on the program website. State Water Board staff is not actively working on a statewide policy for implementation of the Antidegradation Policy for discharges to groundwater. The draft Eastern San Joaquin River Watershed Agricultural Order addresses some of the larger issues the stakeholders identified during staff's outreach efforts. Staff will consider what additional guidance or regulatory action is necessary after the State Water Board issues a final order in the Eastern San Joaquin matter.	Statewide	SB
P	Modify the Beneficial Uses for Freshwater Aquatic Habitat and Remove Spawning for West Squaw Creek - Amendment to the Sacramento River and San Joaquin River Basin Plan	2017-01-26 Use Attainability Analysis was conducted to demonstrate the current beneficial uses assigned to West Squaw Creek, a stream heavily impacted by acid mine drainage, are not achievable. Specifically, the stream cannot support fish and other pH or metal sensitive aquatic species and spawning of selected fish species defined in the Basin Plan. A Staff Report including the proposed amendments and CEQA functional equivalent document was presented to the Regional Board on 9 July 2004. The Regional Board adopted Resolution R5-2004-0090 which included the UAA, Staff Report, Functional Equivalent Document and proposed amendments. BPA not approved by State Board. Staff gathering additional information to respond to State Board and USEPA comments. Expected completion date 2018.	Regional	R5
P	New Manual of Good Practice for Land Application of Food Processing/Rinse Water	2017-01-26 Industry recommendations have been reviewed by CV-SALTS Management Practices Subcommittee. Currently the CV-SALTS Management Practices Subcommittee is on hold while salinity management alternatives are being evaluated.	Regional	R5

Status Code Key:

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

ATTACHMENT A - Sanitary Sewer Overflow (SSO) Spills – Summary Report
 Count of Spills for December 2016 through January 2017

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	
December 2016	2	3	2	7	1	0	1	2	13	1	166	180	189
January 2017	0	0	8	8	5	1	0	6	46	3	141	190	204
Total	2	3	10	15	6	1	1	8	59	4	307	370	393

Spill Cause	Count of Spills	%
Root Intrusion	204	51.9%
Debris-General	80	20.4%
Grease Deposition (FOG)	26	6.6%
Other	23	5.9%
Pipe Structural Problem/Failure	20	5.1%
Rainfall Exceeded Design, I and I (Separate CS Only)	7	1.8%
Debris from Lateral	5	1.3%
Debris-Rags	5	1.3%
Pump Station Failure-Mechanical	4	1.0%
CS Maintenance Caused Spill/Damage	3	0.8%
Operator Error	3	0.8%
Flow Exceeded Capacity (Separate CS Only)	3	0.8%
Damage by Others Not Related to CS Construction/Maintenance	2	0.5%
Debris from Construction	2	0.5%
Natural Disaster	2	0.5%
Air Relief Valve (ARV)/Blow-Off Valve (BOV) Failure	1	0.3%
Construction Diversion Failure	1	0.3%
Pump Station Failure-Power	1	0.3%
Vandalism	1	0.3%
Grand Total	393	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 - December 2016 through January 2017

Region	Collection System	WQID	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	Mt Shasta CS	SSSO10835	831715	Certified	Category 1	Interceptor SSO	Siskiyou	Yes	2,690,000	2,690,000	1/2/2017	Pipe Structural Problem/Failure
SS	Lake Berryessa Resort CS	SSSO10981	832053	Certified	Category 1	LRBID Pond 3 Discharge Pipe	Napa	Yes	2,500,000	2,500,000	1/8/2017	Pipe Structural Problem/Failure
SR	Mt Shasta CS	SSSO10835	831614	Certified	Category 1	Alma St. Manhole # 425	Siskiyou	Yes	88,030	88,030	1/8/2017	Flow Exceeded Capacity (Separate CS Only)
SS	Sacramento Area Sewer District CS	SSSO10912	831734	Certified	Category 1		176328	Yes	48,551	48,548	1/10/2017	Other (specify below)
SS	Southeast Regional Waste Disp Fac CS	SSSO11055	831500	Certified	Category 1	6820 Meadowbrook Drive	Lake	Yes	46,950	46,950	1/8/2017	Flow Exceeded Capacity (Separate CS Only)
SR	East Quincy Services District CS	SSSO10813	831670	Certified	Category 1	766 Quincy Junction Road, Quincy, CA	Plumas	Yes	35,460	35,460	1/10/2017	Natural Disaster
SS	Hangtown Creek CS	SSSO10965	831642	Certified	Category 1	680 Placerville Drive	El Dorado	Yes	33,300	33,300	1/10/2017	Natural Disaster
SS	Sutter Creek CS	SSSO11061	831726	Certified	Category 1	Overflow weir at WWTP Emergency Overflow Pond-340 Mahoney Mill Rd	Amador	Yes	33,000	33,000	1/11/2017	Rainfall Exceeded Design, I and I (Separate CS Only)
SS	Sacramento Area Sewer District CS	SSSO10912	831787	Certified	Category 1		176346	Yes	31,182	31,182	1/10/2017	Other (specify below)
SS	Sacramento Area Sewer District CS	SSSO10912	831575	Certified	Category 1		176084	Yes	22,750	22,750	1/8/2017	Root Intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	831789	Certified	Category 1		176335	Yes	22,561	22,561	1/10/2017	Other (specify below)
SS	Sacramento Area Sewer District CS	SSSO10912	831758	Certified	Category 1		176236	Yes	12,304	12,304	1/10/2017	Other (specify below)
SS	Sutter Creek CS	SSSO11061	831716	Certified	Category 1	System Manhole #7 located at 190 Mahoney Mill Road	Amador	Yes	12,000	12,000	1/10/2017	Other (specify below)
SS	City of Stockton MUD CS	SSSO11433	832001	Certified	Category 1	7384 Kelley Drive	San Joaquin	Yes	11,912	11,912	1/23/2017	Grease Deposition (FOG)
BF	Buena Vista Aquatic Rec Area CS	SSSO11221	831413	Certified	Category 2	Lift Station 2, temporary collection tanks	Kern	No	11,500	-	12/24/2016	Other (specify below)
SS	Sacramento Area Sewer District CS	SSSO10912	831781	Certified	Category 1		176341	Yes	10,000	10,000	1/10/2017	Pump Station Failure-Mechanical
SS	Sacramento Area Sewer District CS	SSSO10912	831254	Certified	Category 1		175361	Yes	9,840	9,840	12/24/2016	Grease Deposition (FOG)
SS	Hidden Valley Lake CS	SSSO10967	831672	Certified	Category 1	Manhole 18550 Brookfield (corner of Brookfield&North Shore)	Lake	Yes	9,775	9,775	1/8/2017	Rainfall Exceeded Design, I and I (Separate CS Only)
SS	Hidden Valley Lake CS	SSSO10967	831673	Certified	Category 1	18805 North Shore (manhole)	Lake	Yes	6,380	6,380	1/8/2017	Rainfall Exceeded Design, I and I (Separate CS Only)
SS	Galt CS	SSSO10951	831610	Certified	Category 2	10059 Twin Cities Road, Galt California,	Sacramento	No	6,000	-	1/10/2017	Other (specify below)
SS	Sacramento Area Sewer District CS	SSSO10912	831565	Certified	Category 1		176082	Yes	5,882	3,071	1/8/2017	Other (specify below)
SR	Redding City CS	SSSO10801	831085	Certified	Category 1	SE corner of Old Oregon Tr and Oasis Rd	Shasta	Yes	5,163	5,163	12/13/2016	Other (specify below)
SS	Lake Berryessa Resort CS	SSSO10981	831849	Certified	Category 1	Station A - Main Sewer Collection Tank	Napa	Yes	5,000	2,500	1/13/2017	Pump Station Failure-Mechanical
SS	City of Sacramento Utilities CS	SSSO10901	831820	Certified	Category 1	7000 REICHMUTH WAY, SACRAMENTO, CA	Sacramento	Yes	4,950	3,000	1/11/2017	Rainfall Exceeded Design, I and I (Separate CS Only)
SS	Sacramento Area Sewer District CS	SSSO10912	831774	Certified	Category 1		176344	Yes	4,890	4,849	1/10/2017	Other (specify below)
BF	Buena Vista Aquatic Rec Area CS	SSSO11221	830420	Certified	Category 2		Kern	No	4,711	-	12/7/2016	Other (specify below)
SS	Sacramento Area Sewer District CS	SSSO10912	831686	Certified	Category 1	Buena Vista Recreational Area	Sacramento	Yes	3,460	3,457	1/8/2017	Root Intrusion
SS	SMD No. 1 CS	SSSO11028	831712	Certified	Category 1	Hwy 49 and Locksley Lane, Map Page AE3-08	Placer	Yes	3,000	3,000	1/10/2017	Rainfall Exceeded Design, I and I (Separate CS Only)
SS	Sacramento Area Sewer District CS	SSSO10912	830823	Certified	Category 1		174284	Yes	2,850	1,770	12/13/2016	Grease Deposition (FOG)
SF	City of Fresno CS	SSSO11202	830333	Certified	Category 2	Lift Station 10 Bypass	Fresno	No	2,730	-	12/1/2016	Construction Diversion Failure
SS	Grass Valley City CS	SSSO10958	831611	Certified	Category 1	450 Mill St	Nevada	Yes	2,250	1,650	1/10/2017	Rainfall Exceeded Design, I and I (Separate CS Only)
SS	Clearlake Oaks Co Wtr Dis CS	SSSO10906	832150	Certified	Category 1	13705 Jensen Rd	Lake	Yes	2,200	200	1/26/2017	Pump Station Failure-Mechanical
SR	Plumas Eureka Estates CS	SSSO10842	831607	Certified	Category 1	Wastewater Treatment Plant 6, west end of West Ponderosa Drive	Plumas	Yes	2,000	2,000	1/10/2017	Other (specify below)
SS	City Of Brentwood CS	SSSO10891	831184	Certified	Category 1	1560 California Trail	Contra Costa	Yes	1,962	1,962	12/23/2016	Debris from Construction
SS	Deer Creek CS	SSSO10923	832348	Certified	Category 1	DC-2017-01-09	El Dorado	Yes	1,804	1,804	1/28/2017	Pipe Structural Problem/Failure
SR	Stirling City Ponds CS	SSSO10853	832580	Certified	Category 2	Stirling City Sewer	Butte	No	1,500	-	1/8/2017	Debris from Lateral
SS	Hidden Valley Lake CS	SSSO10967	831676	Certified	Category 2	18805 North Shore (manhole)	Lake	No	1,500	-	1/10/2017	Rainfall Exceeded Design, I and I (Separate CS Only)
SS	Murphys CS	SSSO11007	832105	Certified	Category 1	Manhole #64	Calaveras	Yes	1,500	500	1/19/2017	Grease Deposition (FOG)
SS	Sacramento Area Sewer District CS	SSSO10912	832117	Certified	Category 1		177272	Yes	1,463	1,073	1/24/2017	Pipe Structural Problem/Failure
SS	Deer Creek CS	SSSO10923	830828	Certified	Category 1	DC-2016-12-15	El Dorado	Yes	1,312	1,312	12/16/2016	Pipe Structural Problem/Failure
SS	Amador City CS	SSSO10863	831075	Certified	Category 2	Air Relief Valve in Valve Box #5	Amador	No	1,200	-	12/16/2016	Air Relief Valve (ARV)/Blow-Off Valve (BOV) Failure
SS	Sacramento Area Sewer District CS	SSSO10912	831661	Certified	Category 1		176172	Yes	1,151	1,031	1/9/2017	Grease Deposition (FOG)
SS	Grass Valley City CS	SSSO10958	831989	Certified	Category 2	11550 Slate Creek Rd	Nevada	No	1,042	-	1/22/2017	Pump Station Failure-Power
SF	SA-2 Bass Lake CS	SSSO11319	830770	Certified	Category 1	Lift Station 1/ SA2S Sewer collection system	Madera	Yes	1,000	500	12/16/2016	Pump Station Failure-Mechanical
SS	Rancho Murieta Community Service District CS	SSSO11487	830649	Certified	Category 1	Manhole at Celebrar & Reynosa Dr	Sacramento	Yes	900	890	12/13/2016	Debris from Lateral
SS	Deer Creek CS	SSSO10923	831499	Certified	Category 1	DC-2017-01-01	El Dorado	Yes	820	820	1/3/2017	Pipe Structural Problem/Failure
SS	Sacramento Area Sewer District CS	SSSO10912	831378	Certified	Category 1		175460	Yes	800	775	12/28/2016	Root Intrusion
SS	Dry Creek CS	SSSO10935	830807	Certified	Category 3	1217 McKinley	Placer	No	760	-	12/11/2016	Root Intrusion
BF	Mariposa PUD CS	SSSO10744	830382	Certified	Category 1	Hiway 140 at 49 South	Mariposa	Yes	750	750	12/7/2016	Other (specify below)
SS	Sacramento Area Sewer District CS	SSSO10912	832081	Certified	Category 1		177268	Yes	730	641	1/23/2017	Grease Deposition (FOG)
SS	Sacramento Area Sewer District CS	SSSO10912	831727	Certified	Category 1		176134	Yes	677	674	1/6/2017	Root Intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	833282	Certified	Category 3		176690	No	669	-	1/15/2017	Debris-General
SS	Sacramento Area Sewer District CS	SSSO10912	831666	Certified	Category 1		176208	Yes	631	628	1/7/2017	Debris-General
SF	MD-22A Oakhurst CS	SSSO11311	831822	Certified	Category 3	Man hole in front of Starbucks	Madera	No	600	-	1/16/2017	Debris from Lateral
SS	Deer Creek CS	SSSO10923	832160	Certified	Category 1	DC-2017-01-02	El Dorado	Yes	574	574	1/26/2017	Pipe Structural Problem/Failure
SS	Sacramento Area Sewer District CS	SSSO10912	831527	Certified	Category 1		175919	Yes	510	358	1/5/2017	Root Intrusion
SR	Delleker CS	SSSO10810	830331	Certified	Category 3	Manhole12	Plumas	No	500	-	12/5/2016	Debris-Rags
SS	Murphys CS	SSSO11007	832493	Certified	Category 3	Manhole #23	Calaveras	No	500	-	1/23/2017	Root Intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	830308	Certified	Category 1		173488	Yes	467	465	12/1/2016	Root Intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	831588	Certified	Category 1		176085	Yes	460	456	1/8/2017	Grease Deposition (FOG)
SS	Grass Valley City CS	SSSO10958	830616	Certified	Category 1	217 N Auburn Street	Nevada	Yes	450	450	12/10/2016	Other (specify below)
SS	White Slough Water Poll Con Pu CS	SSSO11084	831899	Certified	Category 3	880 Victor Rd	San Joaquin	No	442	-	12/13/2016	Debris-General
SS	Sacramento Area Sewer District CS	SSSO10912	831600	Certified	Category 1		176078	Yes	431	430	1/8/2017	Root Intrusion
SS	6-Mile Village CS	SSSO11500	830923	Certified	Category 1	Old Hwy 4	Calaveras	Yes	420	210	12/19/2016	Damage by Others Not Related to CS Construction/Maintenance (Specify Below)
SS	Sacramento Area Sewer District CS	SSSO10912	832261	Certified	Category 3		174287	No	390	-	12/14/2016	Pipe Structural Problem/Failure - Installation
SS	6-Mile Village CS	SSSO11500	831757	Certified	Category 3	Old Hwy 4 second SSO	Calaveras	No	360	-	1/9/2017	Pipe Structural Problem/Failure
SS	Sacramento Area Sewer District CS	SSSO10912	832277	Certified	Category 3		174570	No	345	-	12/17/2016	Grease Deposition (FOG)
SS	White Slough Water Poll Con Pu CS	SSSO11084	833162	Certified	Category 3	Corbin Ln	San Joaquin	No	331	-	12/31/2016	Grease Deposition (FOG)
SS	Sacramento Area Sewer District CS	SSSO10912	832238	Certified	Category 3		173824	No	330	-	12/7/2016	Grease Deposition (FOG)

Region	Collection System	WDDID	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
SF	City of Fresno CS	SSSO11202	832683	Certified	Category 3	MH 1756-54	Fresno	No	302	-	1/29/2017	Root Intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	832357	Certified	Category 3		175937 Sacramento	No	298	-	1/6/2017	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	832391	Certified	Category 3		175043 Sacramento	No	265	-	12/21/2016	Debris-General
SF	Kern Sanitation Authority CS	SSSO10737	832106	Certified	Category 3	1013 Pearl St, Bakersfield, CA	Kern	No	245	-	1/25/2017	Other (specify below)
SS	Sacramento Area Sewer District CS	SSSO10912	832274	Certified	Category 3		174558 Sacramento	No	230	-	12/15/2016	Root intrusion
SR	Red Bluff CS	SSSO10845	831449	Certified	Category 1	1461 Monroe St.	Tehama	Yes	205	110	1/4/2017	Root Intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	833349	Certified	Category 3		177906 Sacramento	No	199	-	1/31/2017	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	833287	Certified	Category 3		176708 Sacramento	No	194	-	1/16/2017	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	833254	Certified	Category 3		175904 Sacramento	No	187	-	1/5/2017	Debris-General
SS	Southeast Regional Waste Disp Fac CS	SSSO11055	832070	Certified	Category 1	16069 41st Ave. Clearlake, CA 95422	Lake	Yes	180	180	1/25/2017	Debris-General
SS	Sacramento Area Sewer District CS	SSSO10912	832256	Certified	Category 3		175927 Sacramento	No	168	-	1/5/2017	Debris-General
SS	Easterly CS	SSSO10938	831627	Certified	Category 3	581 Ridgewood Dr	Solano	No	148	-	1/11/2017	Debris-General
SS	Sacramento Area Sewer District CS	SSSO10912	831780	Certified	Category 1		176451 Sacramento	Yes	147	98	1/11/2017	Root Intrusion
SS	Easterly CS	SSSO10938	831191	Certified	Category 3	299 Shasta Dr	Solano	No	146	-	12/27/2016	Grease Deposition (FOG)
SS	Sacramento Area Sewer District CS	SSSO10912	833278	Certified	Category 3		176665 Sacramento	No	144	-	1/14/2017	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	833289	Certified	Category 3		175001 Sacramento	No	140	-	12/20/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	833279	Certified	Category 3		176669 Sacramento	No	140	-	1/14/2017	Debris-General
SS	Sacramento Area Sewer District CS	SSSO10912	832341	Certified	Category 3		175577 Sacramento	No	138	-	12/31/2016	Debris-Rags
SS	West Sacramento CS	SSSO11082	831549	Certified	Category 3	Bayside @ Bluerock	Yolo	No	125	-	1/5/2017	Debris From Construction
SS	Sacramento Area Sewer District CS	SSSO10912	833252	Certified	Category 3		175856 Sacramento	No	121	-	1/5/2017	Root intrusion
SF	Labonde Ranch- CSA 71.2 CS	SSSO11602	831504	Certified	Category 3	Madonna	Kern	No	120	-	1/8/2017	Debris-General
SS	Grass Valley City CS	SSSO10958	832120	Certified	Category 1	214 E Main St	Nevada	Yes	117	110	1/25/2017	Pipe Structural Problem/Failure
SS	Easterly CS	SSSO10938	831158	Certified	Category 3	297 Cascade Dr	Solano	No	109	-	12/24/2016	Grease Deposition (FOG)
SS	Deer Creek CS	SSSO10923	831183	Certified	Category 3	DC-2016-12-13	El Dorado	No	107	-	12/11/2016	Root Intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	833294	Certified	Category 3		176692 Sacramento	No	103	-	1/15/2017	Debris-General
SS	Sacramento Area Sewer District CS	SSSO10912	833341	Certified	Category 3		177709 Sacramento	No	103	-	1/28/2017	Debris-General
SS	Sacramento Area Sewer District CS	SSSO10912	832330	Certified	Category 3		173627 Sacramento	No	102	-	12/4/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	832328	Certified	Category 3		175483 Sacramento	No	102	-	12/29/2016	Debris-General
SS	Martell CS	SSSO11460	830359	Certified	Category 3	12700 Kennedy Flat Rd	Anador	No	100	-	12/6/2016	Debris-General
SS	City Of Live Oak CS	SSSO10898	831414	Certified	Category 3	10121 Live Oak Blvd	Sutter	No	100	-	12/31/2016	Debris-General
SS	Marysville CS	SSSO10994	831186	Certified	Category 3	10th & Swezey intersection, manhole	Yuba	No	100	-	12/13/2016	Debris-General
SS	Marysville CS	SSSO10994	831187	Certified	Category 3	1012 6th street	Yuba	No	100	-	12/19/2016	Debris-General
SS	Marysville CS	SSSO10994	831924	Certified	Category 3	10th & Swezey intersection, manhole	Yuba	No	100	-	12/13/2016	Debris-General
SS	Hangtown Creek CS	SSSO10965	830696	Certified	Category 1	1100 Locust Street placerville, ca	El Dorado	Yes	100	50	12/12/2016	Root Intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	832318	Certified	Category 3		173500 Sacramento	No	100	-	12/2/2016	Grease deposition (FOG)
SS	Sacramento Area Sewer District CS	SSSO10912	832258	Certified	Category 3		174268 Sacramento	No	100	-	12/14/2016	Root intrusion
SF	Tuolumne Utilities District CS	SSSO10771	832898	Certified	Category 3	cleanout in backyard of 56 Hope Ln	Tuolumne	No	100	-	1/16/2017	Pipe Structural Problem/Failure
SS	Hangtown Creek CS	SSSO10965	831415	Certified	Category 1	3319 Eskaton Dr, placerville ca 95667	El Dorado	Yes	100	100	1/3/2017	Other (specify below)
SS	Sacramento Area Sewer District CS	SSSO10912	833345	Certified	Category 3		177798 Sacramento	No	100	-	1/30/2017	Root intrusion
SS	Modesto CS	SSSO11001	831669	Certified	Category 3	1412 Pepper Tree Ln	Stanislaus	No	99	-	1/1/2017	Grease Deposition (FOG)
SS	Sacramento Area Sewer District CS	SSSO10912	832248	Certified	Category 3		174075 Sacramento	No	98	-	12/11/2016	Root intrusion
SS	Deer Creek CS	SSSO10923	831188	Certified	Category 3	DC-2016-12-14	El Dorado	No	96	-	12/12/2016	Pipe Structural Problem/Failure
SS	Sacramento Area Sewer District CS	SSSO10912	832222	Certified	Category 3		173588 Sacramento	No	94	-	12/3/2016	Grease deposition (FOG)
SS	Sacramento Area Sewer District CS	SSSO10912	832324	Certified	Category 3		175404 Sacramento	No	93	-	12/28/2016	Debris-General
SS	Sacramento Area Sewer District CS	SSSO10912	831482	Certified	Category 1		175823 Sacramento	Yes	92	87	1/5/2017	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	832343	Certified	Category 3		173923 Sacramento	No	89	-	12/8/2016	Debris-General
SS	Sacramento Area Sewer District CS	SSSO10912	832264	Certified	Category 3		174292 Sacramento	No	85	-	12/14/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	833318	Certified	Category 3		177317 Sacramento	No	83	-	1/24/2017	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	833268	Certified	Category 3		176288 Sacramento	No	71	-	1/10/2017	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	832295	Certified	Category 3		175122 Sacramento	No	68	-	12/21/2016	Debris-General
SS	City of Woodland CS	SSSO10903	831211	Certified	Category 3	206 Fifth Sreet	Yolo	No	66	-	12/12/2016	Root Intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	833264	Certified	Category 3		176109 Sacramento	No	64	-	1/8/2017	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	833262	Certified	Category 3		176060 Sacramento	No	61	-	1/8/2017	Other (specify)
SS	Sacramento Area Sewer District CS	SSSO10912	833275	Certified	Category 3		176629 Sacramento	No	60	-	1/13/2017	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	831733	Certified	Category 1		176316 Sacramento	Yes	59	52	1/9/2017	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	833347	Certified	Category 3		177847 Sacramento	No	57	-	1/29/2017	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	832334	Certified	Category 3		173721 Sacramento	No	51	-	12/5/2016	Root intrusion
SS	SMD No. 1 CS	SSSO11028	830369	Certified	Category 3	95 Flood Road, Auburn, CA	Placer	No	50	-	12/1/2016	Root Intrusion
SS	Hangtown Creek CS	SSSO10965	831200	Certified	Category 1	2954 Schnell School Rd	El Dorado	Yes	50	50	12/27/2016	Debris-General
SF	Buena Vista Aquatic Rec Area CS	SSSO11231	831515	Certified	Category 3	Buena Vista Aquatic Recreational Area	Kern	No	50	-	1/9/2017	Other (specify below)
SS	Davis CS	SSSO10921	831814	Certified	Category 3	1214 Cornell	Yolo	No	50	-	1/14/2017	Damage by Others Not Related to CS Construction/Maintenance (Specify Below)
SS	Hangtown Creek CS	SSSO10965	831878	Certified	Category 1	2954 Schnell School Rd	El Dorado	Yes	50	50	1/14/2017	Other (specify below)
SS	Pacific Gardens Sanitary District CS	SSSO11480	833352	Certified	Category 3	2093 Mendocino	San Joaquin	No	50	-	1/27/2017	Debris-General
SS	Sacramento Area Sewer District CS	SSSO10912	832296	Certified	Category 3		175164 Sacramento	No	49	-	12/22/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	833245	Certified	Category 3		175612 Sacramento	No	47	-	1/2/2017	Debris-General
SS	Davis CS	SSSO10921	831815	Certified	Category 3	502 Scripps Drive	Yolo	No	45	-	1/15/2017	CS Maintenance Caused Spill/Damage
SS	Turlock CS	SSSO11069	833032	Certified	Category 3	1420 North Palm Street	Stanislaus	No	45	-	1/1/2017	Grease Deposition (FOG)
SS	Sacramento Area Sewer District CS	SSSO10912	833265	Certified	Category 3		176138 Sacramento	No	41	-	1/8/2017	Debris-General
SF	City Of Bakersfield CS	SSSO10717	832778	Certified	Category 3	1515 Baker St	Kern	No	40	-	1/31/2017	Grease Deposition (FOG)
SS	Davis CS	SSSO10921	832173	Certified	Category 3	907 Plum lane	Yolo	No	40	-	1/24/2017	CS Maintenance Caused Spill/Damage

Region	Collection System	WDD	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	Grass Valley City CS	SSSO10958	831545	Certified	Category 1	450 Mill Street	Nevada	Yes	40	40	1/8/2017	Other (specify below)
SS	Sacramento Area Sewer District CS	SSSO10912	833333	Certified	Category 3		177516 Sacramento	No	35	-	1/26/2017	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	832269	Certified	Category 3		174429 Sacramento	No	33	-	12/15/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	831583	Certified	Category 1		176074 Sacramento	Yes	33	31	1/7/2017	Debris-General
SS	Sacramento Area Sewer District CS	SSSO10912	832332	Certified	Category 3		175203 Sacramento	No	32	-	12/29/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	833316	Certified	Category 3		177259 Sacramento	No	31	-	1/23/2017	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	832250	Certified	Category 3		174077 Sacramento	No	30	-	12/11/2016	Debris-Rags
SS	Easterly CS	SSSO10938	831477	Certified	Category 3	1501 E. Monte Vista	Solano	No	30	-	1/5/2017	Debris-Rags
SS	South Placer Mud CS	SSSO11054	831468	Certified	Category 3	K12-020 - Tree Swallow Cr	Placer	No	27	-	1/5/2017	Other (specify below)
SS	City of Stockton MUD CS	SSSO11433	831036	Certified	Category 3	348 E Poplar St	San Joaquin	No	26	-	12/21/2016	Debris-General
SS	Sacramento Area Sewer District CS	SSSO10912	833344	Certified	Category 3		177796 Sacramento	No	26	-	1/30/2017	Root intrusion
SS	City of Stockton MUD CS	SSSO11433	830879	Certified	Category 3	1689 Ida Ave.	San Joaquin	No	25	-	12/19/2016	Grease Deposition (FOG)
SS	Davis CS	SSSO10921	832174	Certified	Category 3	219 Purdue drive	Yolo	No	25	-	1/26/2017	Debris-General
SS	City Of Ione CS	SSSO10894	831785	Certified	Category 3	City of Ione, CA	Amador	No	25	-	1/14/2017	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	832247	Certified	Category 3		174071 Sacramento	No	24	-	12/11/2016	Root intrusion
SS	City of Sacramento Utilities CS	SSSO10901	832096	Certified	Category 3	109 GOSS CT, SACRAMENTO, CA	Sacramento	No	24	-	1/13/2017	Debris-Rags
SS	City of Woodland CS	SSSO10903	832463	Certified	Category 3	90 W. Elliot ST	Yolo	No	24	-	1/23/2017	Root intrusion
SS	City of Woodland CS	SSSO10912	832798	Certified	Category 3	1415 Auburn Way	Yolo	No	22	-	12/29/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	832278	Certified	Category 3		174575 Sacramento	No	21	-	12/17/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	833274	Certified	Category 3		176608 Sacramento	No	21	-	1/13/2017	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	833317	Certified	Category 3		177271 Sacramento	No	21	-	1/23/2017	Debris-General
SS	Sacramento Area Sewer District CS	SSSO10912	832266	Certified	Category 3		174329 Sacramento	No	20	-	12/14/2016	Debris-General
SS	Sacramento Area Sewer District CS	SSSO10912	832203	Certified	Category 3		175216 Sacramento	No	20	-	12/24/2016	Debris-General
SF	City Of Bakersfield CS	SSSO10717	831990	Certified	Category 3	2800 Morin Ct	Kern	No	20	-	1/22/2017	Grease Deposition (FOG)
SS	Sacramento Area Sewer District CS	SSSO10912	833303	Certified	Category 3		177045 Sacramento	No	20	-	1/20/2017	Other (specify)
SS	Sacramento Area Sewer District CS	SSSO10912	833326	Certified	Category 3		177423 Sacramento	No	20	-	1/25/2017	Debris-General
SS	City of Stockton MUD CS	SSSO11433	832425	Certified	Category 3	704 E Fourth St	San Joaquin	No	19	-	1/30/2017	Root intrusion
SS	Dry Creek CS	SSSO10935	832142	Certified	Category 3	1166 Green Hill Dr.	Placer	No	17	-	1/25/2017	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	831867	Certified	Category 1		176572 Sacramento	Yes	17	9	1/12/2017	Root intrusion
SS	Manteca CS	SSSO10999	831624	Certified	Category 3	750 Grenlaven	San Joaquin	No	16	-	12/14/2016	Debris-General
SS	Sacramento Area Sewer District CS	SSSO10912	832240	Certified	Category 3		173847 Sacramento	No	15	-	12/7/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	832333	Certified	Category 3		175521 Sacramento	No	15	-	12/29/2016	Debris-General
SS	Sacramento Area Sewer District CS	SSSO10912	833300	Certified	Category 3		176988 Sacramento	No	15	-	1/19/2017	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	833343	Certified	Category 3		177795 Sacramento	No	15	-	1/30/2017	Debris-General
SS	Sacramento Area Sewer District CS	SSSO10912	832262	Certified	Category 3		174288 Sacramento	No	14	-	12/14/2016	Root intrusion
SS	Easterly CS	SSSO10938	832166	Certified	Category 3	1501 E. Monte Vista	Solano	No	14	-	1/27/2017	Debris-General
SS	Sacramento Area Sewer District CS	SSSO10912	830689	Certified	Category 1		174063 Sacramento	Yes	13	11	12/10/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	833321	Certified	Category 3		177352 Sacramento	No	13	-	1/24/2017	Debris-General
SS	City of Woodland CS	SSSO10903	832801	Certified	Category 3	236 Schuerle St	Yolo	No	13	-	1/25/2017	Root intrusion
SS	Manteca CS	SSSO10999	831626	Certified	Category 3	1486 eastwood	San Joaquin	No	12	-	12/24/2016	Debris-General
SS	Sacramento Area Sewer District CS	SSSO10912	832252	Certified	Category 3		174120 Sacramento	No	12	-	12/12/2016	Debris-General
SS	Sacramento Area Sewer District CS	SSSO10912	832257	Certified	Category 3		174210 Sacramento	No	12	-	12/19/2016	Root intrusion
SS	City of Woodland CS	SSSO10903	832429	Certified	Category 3	69 W. Beamer St.	Yolo	No	12	-	12/31/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	832288	Certified	Category 3		176742 Sacramento	No	12	-	1/17/2017	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	833315	Certified	Category 3		177245 Sacramento	No	12	-	1/23/2017	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	833339	Certified	Category 3		177643 Sacramento	No	12	-	1/25/2017	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	832216	Certified	Category 3		173460 Sacramento	No	11	-	12/1/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	832315	Certified	Category 3		175264 Sacramento	No	11	-	12/26/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	833250	Certified	Category 3		175832 Sacramento	No	11	-	1/5/2017	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	833327	Certified	Category 3		177426 Sacramento	No	11	-	1/25/2017	Debris-General
SS	Sacramento Area Sewer District CS	SSSO10912	833348	Certified	Category 3		177871 Sacramento	No	11	-	1/31/2017	Debris-General
SS	City of Stockton MUD CS	SSSO11433	832422	Certified	Category 3	8409 Skye Dr.	San Joaquin	No	11	-	1/27/2017	Root intrusion
SF	City Of Bakersfield CS	SSSO10717	830908	Certified	Category 3	1215 Truxtun Ave	Kern	No	10	-	12/5/2016	Grease Deposition (FOG)
SS	City Of Antioch CS	SSSO10890	830307	Certified	Category 3	2400 Alderwood Dr., Antioch, CA 94509	Contra Costa	No	10	-	12/1/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	832242	Certified	Category 3		173888 Sacramento	No	10	-	12/8/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	832263	Certified	Category 3		174291 Sacramento	No	10	-	12/14/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	832280	Certified	Category 3		174590 Sacramento	No	10	-	12/19/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	832327	Certified	Category 3		175466 Sacramento	No	10	-	12/28/2016	Root intrusion
SS	City of Woodland CS	SSSO10903	831058	Certified	Category 3	1001 Gum Ave	Yolo	No	10	-	12/12/2016	Root intrusion
SS	Davis CS	SSSO10921	831812	Certified	Category 3	705 Puma Court	Yolo	No	10	-	1/2/2017	CS Maintenance Caused Spill/Damage
SS	Sacramento Area Sewer District CS	SSSO10912	833273	Certified	Category 3		176584 Sacramento	No	10	-	1/13/2017	Grease deposition (FOG)
SS	Sacramento Area Sewer District CS	SSSO10912	833290	Certified	Category 3		176980 Sacramento	No	10	-	1/19/2017	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	833324	Certified	Category 3		177404 Sacramento	No	10	-	1/25/2017	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	833291	Certified	Category 3		175365 Sacramento	No	9	-	12/27/2016	Root intrusion
SS	Pacific Gardens Sanitary District CS	SSSO11480	832393	Certified	Category 3	3408 Mendocino	San Joaquin	No	9	-	12/23/2016	Debris-General
SS	Sacramento Area Sewer District CS	SSSO10912	833242	Certified	Category 3		175597 Sacramento	No	9	-	1/1/2017	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	833270	Certified	Category 3		176453 Sacramento	No	9	-	1/11/2017	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	833291	Certified	Category 3		176774 Sacramento	No	9	-	1/17/2017	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	833308	Certified	Category 3		177138 Sacramento	No	9	-	1/21/2017	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	833320	Certified	Category 3		177351 Sacramento	No	9	-	1/24/2017	Root intrusion

Region	Collection System	WDD	Spill ID	Certification Status	Spill Type	Spill Location Name	County	Did Spill Reach Surface Waters? (Y/N)	Total Spill Volume (Gallons)	Spill Volume that Reached Surface Waters (Gallons)	Start Date	Spill Cause	
SS	Sacramento Area Sewer District CS	SSSO10912	833338	Certified	Category 3		177594	Sacramento	No	9	-	1/27/2017	Debris-General
SS	Sacramento Area Sewer District CS	SSSO10912	832302	Certified	Category 3		175215	Sacramento	No	8	-	12/24/2016	Debris-General
SS	Sacramento Area Sewer District CS	SSSO10912	832330	Certified	Category 3		175513	Sacramento	No	8	-	12/29/2016	Debris-General
SS	City of Stockton MUD CS	SSSO11433	831033	Certified	Category 3	1853 De Ovan Av	San Joaquin	No	8	-	12/20/2016	Debris-General	
SS	Sacramento Area Sewer District CS	SSSO10912	832255	Certified	Category 3		175925	Sacramento	No	8	-	1/4/2017	Root Intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	832289	Certified	Category 3		176744	Sacramento	No	8	-	1/17/2017	Root Intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	833319	Certified	Category 3		177321	Sacramento	No	8	-	1/24/2017	Root Intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	833336	Certified	Category 3		177548	Sacramento	No	8	-	1/26/2017	Debris-General
SS	Sacramento Area Sewer District CS	SSSO10912	833337	Certified	Category 3		177575	Sacramento	No	8	-	1/27/2017	Grease deposition (FOG)
SS	Sacramento Area Sewer District CS	SSSO10912	832217	Certified	Category 3		173466	Sacramento	No	7	-	12/1/2016	Root Intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	832219	Certified	Category 3		173553	Sacramento	No	7	-	12/2/2016	Root Intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	832260	Certified	Category 3		174285	Sacramento	No	7	-	12/14/2016	Root Intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	832281	Certified	Category 3		174606	Sacramento	No	7	-	12/16/2016	Root Intrusion
SS	City of Stockton MUD CS	SSSO11433	831208	Certified	Category 3	4603 Hillsboro Wy	San Joaquin	No	-	-	12/22/2016	Debris from Lateral	
SS	Sacramento Area Sewer District CS	SSSO10912	832258	Certified	Category 3		176014	Sacramento	No	7	-	1/6/2017	Root Intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	832292	Certified	Category 3		176795	Sacramento	No	7	-	1/17/2017	Vandalism
SS	Sacramento Area Sewer District CS	SSSO10912	833305	Certified	Category 3		177095	Sacramento	No	7	-	1/20/2017	Debris-General
SS	Sacramento Area Sewer District CS	SSSO10912	833312	Certified	Category 3		177193	Sacramento	No	7	-	1/23/2017	Root Intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	833329	Certified	Category 3		177456	Sacramento	No	7	-	1/25/2017	Root Intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	832227	Certified	Category 3		173620	Sacramento	No	6	-	12/4/2016	Debris-General
SS	Sacramento Area Sewer District CS	SSSO10912	832310	Certified	Category 3		175245	Sacramento	No	6	-	12/26/2016	Debris-General
SS	Sacramento Area Sewer District CS	SSSO10912	832313	Certified	Category 3		175257	Sacramento	No	6	-	12/26/2016	Debris-General
SS	Sacramento Area Sewer District CS	SSSO10912	832323	Certified	Category 3		175382	Sacramento	No	6	-	12/28/2016	Debris-General
SS	Sacramento Area Sewer District CS	SSSO10912	832336	Certified	Category 3		175570	Sacramento	No	6	-	12/29/2016	Root Intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	832338	Certified	Category 3		175570	Sacramento	No	6	-	12/31/2016	Debris-General
SS	City of Stockton MUD CS	SSSO11433	830290	Certified	Category 3	3224 Van Eaden Ct.	San Joaquin	No	6	-	12/6/2016	Root Intrusion	
SS	Dry Creek CS	SSSO10935	832386	Certified	Category 3	1025 Enwood Rd	Placer	No	6	-	1/26/2017	Root Intrusion	
SS	Sacramento Area Sewer District CS	SSSO10912	832351	Certified	Category 3		175842	Sacramento	No	6	-	1/5/2017	Root Intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	832367	Certified	Category 3		176264	Sacramento	No	6	-	1/10/2017	Root Intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	832372	Certified	Category 3		176473	Sacramento	No	6	-	1/11/2017	Root Intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	832380	Certified	Category 3		176676	Sacramento	No	6	-	1/14/2017	Root Intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	832386	Certified	Category 3		176701	Sacramento	No	6	-	1/16/2017	Root Intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	832322	Certified	Category 3		177361	Sacramento	No	6	-	1/24/2017	Root Intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	833334	Certified	Category 3		177518	Sacramento	No	6	-	1/26/2017	Root Intrusion
SS	City of Stockton MUD CS	SSSO11433	831544	Certified	Category 3	1339 Kingsley Ave.	San Joaquin	No	6	-	1/6/2017	Grease Deposition (FOG)	
SS	Tuolumne Utilities District CS	SSSO10771	831503	Certified	Category 3	515 Shaws Flat Rd	Tuolumne	No	5	-	12/24/2016	Root Intrusion	
SS	City Of Antioch CS	SSSO10890	830347	Certified	Category 3	2890 Morro Dr., Antioch, CA 94531	Contra Costa	No	5	-	12/4/2016	Pipe Structural Problem/Failure	
SS	Sacramento Area Sewer District CS	SSSO10912	832229	Certified	Category 3		173625	Sacramento	No	5	-	12/4/2016	Root Intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	832233	Certified	Category 3		173667	Sacramento	No	5	-	12/5/2016	Root Intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	832241	Certified	Category 3		173848	Sacramento	No	5	-	12/6/2016	Root Intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	832245	Certified	Category 3		174019	Sacramento	No	5	-	12/9/2016	Root Intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	832246	Certified	Category 3		174020	Sacramento	No	5	-	12/9/2016	Root Intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	832252	Certified	Category 3		174103	Sacramento	No	5	-	12/12/2016	Debris-General
SS	Sacramento Area Sewer District CS	SSSO10912	832275	Certified	Category 3		174566	Sacramento	No	5	-	12/17/2016	Root Intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	832284	Certified	Category 3		174657	Sacramento	No	5	-	12/19/2016	Root Intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	832290	Certified	Category 3		175008	Sacramento	No	5	-	12/20/2016	Debris-General
SS	Sacramento Area Sewer District CS	SSSO10912	832292	Certified	Category 3		175066	Sacramento	No	5	-	12/21/2016	Flow Exceeded Capacity (Sep CS Only)
SS	Sacramento Area Sewer District CS	SSSO10912	832293	Certified	Category 3		175106	Sacramento	No	5	-	12/22/2016	Root Intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	832305	Certified	Category 3		175230	Sacramento	No	5	-	12/25/2016	Root Intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	832320	Certified	Category 3		175360	Sacramento	No	5	-	12/27/2016	Root Intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	832325	Certified	Category 3		175454	Sacramento	No	5	-	12/28/2016	Debris-General
SS	Sacramento Area Sewer District CS	SSSO10912	832331	Certified	Category 3		175519	Sacramento	No	5	-	12/29/2016	Root Intrusion
SS	Davis CS	SSSO10921	832175	Certified	Category 3	415 7th street	Yolo	No	5	-	1/26/2017	Debris-General	
SS	Deer Creek CS	SSSO10923	832352	Certified	Category 1	DC-2017-01-04	El Dorado	Yes	5	5	1/29/2017	Debris-General	
SS	Sacramento Area Sewer District CS	SSSO10912	832244	Certified	Category 3		175610	Sacramento	No	5	-	1/2/2017	Root Intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	832248	Certified	Category 3		175719	Sacramento	No	5	-	1/3/2017	Root Intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	832353	Certified	Category 3		175859	Sacramento	No	5	-	1/4/2017	Root Intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	832361	Certified	Category 3		176051	Sacramento	No	5	-	1/7/2017	Root Intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	832381	Certified	Category 3		176688	Sacramento	No	5	-	1/14/2017	Root Intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	833313	Certified	Category 3		177196	Sacramento	No	5	-	1/23/2017	Root Intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	833328	Certified	Category 3		177431	Sacramento	No	5	-	1/25/2017	Root Intrusion
SS	City of Stockton MUD CS	SSSO11433	831740	Certified	Category 3	2701 Javete Way	San Joaquin	No	5	-	1/12/2017	Debris-General	
SS	City Of Antioch CS	SSSO10890	831072	Certified	Category 3	247 Boulder Dr., Antioch, CA 94509	Contra Costa	No	4	-	12/22/2016	Pipe Structural Problem/Failure	
SS	Dry Creek CS	SSSO10935	830793	Certified	Category 3	1123 Augusta Wy	Placer	No	4	-	12/9/2016	Root Intrusion	
SS	Sacramento Area Sewer District CS	SSSO10912	832232	Certified	Category 3		173648	Sacramento	No	4	-	12/5/2016	Root Intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	832239	Certified	Category 3		173833	Sacramento	No	4	-	12/7/2016	Root Intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	832256	Certified	Category 3		174159	Sacramento	No	4	-	12/12/2016	Root Intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	832268	Certified	Category 3		174347	Sacramento	No	4	-	12/15/2016	Root Intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	832270	Certified	Category 3		174441	Sacramento	No	4	-	12/15/2016	Root Intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	832273	Certified	Category 3		174545	Sacramento	No	4	-	12/17/2016	Debris-General

Region	Collection System	WDD	Spill ID	Certification Status	Spill Type	Spill Location Name	County	Did Spill Reach Surface Waters? (Y/N)	Total Spill Volume (Gallons)	Spill Volume that Reached Surface Waters (Gallons)	Start Date	Spill Cause
SS	Sacramento Area Sewer District CS	SSSO10912	832276	Certified	Category 3		174567	Sacramento	No	4	- 12/17/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	832283	Certified	Category 3		174643	Sacramento	No	4	- 12/19/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	832299	Certified	Category 3		175200	Sacramento	No	4	- 12/23/2016	Debris-General
SS	Sacramento Area Sewer District CS	SSSO10912	832304	Certified	Category 3		175226	Sacramento	No	4	- 12/25/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	832306	Certified	Category 3		175234	Sacramento	No	4	- 12/25/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	832316	Certified	Category 3		175271	Sacramento	No	4	- 12/26/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	832318	Certified	Category 3		175294	Sacramento	No	4	- 12/27/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	832319	Certified	Category 3		175322	Sacramento	No	4	- 12/27/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	832322	Certified	Category 3		175372	Sacramento	No	4	- 12/28/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	832337	Certified	Category 3		175567	Sacramento	No	4	- 12/31/2016	Root intrusion
SS	City Of Woodland CS	SSSO10903	831053	Certified	Category 3	129 North Cleveland St.	Yolo	No	4	- 12/6/2016	Root Intrusion	
SS	City Of Antioch CS	SSSO10890	831873	Certified	Category 3	900 W. 10th St. Antioch, CA 94509	Contra Costa	No	4	- 1/17/2017	Grease Deposition (FOG)	
SS	Sacramento Area Sewer District CS	SSSO10912	832493	Certified	Category 3		175600	Sacramento	No	4	- 1/2/2017	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	832499	Certified	Category 3		175755	Sacramento	No	4	- 1/4/2017	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	832559	Certified	Category 3		176017	Sacramento	No	4	- 1/6/2017	Debris-General
SS	Sacramento Area Sewer District CS	SSSO10912	832600	Certified	Category 3		176043	Sacramento	No	4	- 1/7/2017	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	832689	Certified	Category 3		176691	Sacramento	No	4	- 1/15/2017	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	832885	Certified	Category 3		176693	Sacramento	No	4	- 1/15/2017	Pipe Structural Problem/Failure
SS	Sacramento Area Sewer District CS	SSSO10912	833301	Certified	Category 3		176998	Sacramento	No	4	- 1/19/2017	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	833306	Certified	Category 3		177103	Sacramento	No	4	- 1/20/2017	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	833323	Certified	Category 3		177400	Sacramento	No	4	- 1/25/2017	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	833325	Certified	Category 3		177415	Sacramento	No	4	- 1/25/2017	Pipe Structural Problem/Failure
SS	Sacramento Area Sewer District CS	SSSO10912	833330	Certified	Category 3		177461	Sacramento	No	4	- 1/25/2017	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	833332	Certified	Category 3		177513	Sacramento	No	4	- 1/26/2017	Debris-General
SS	City Of Woodland CS	SSSO10903	832470	Certified	Category 3	Public SCD at 641 Fourt St Woodland CA	Yolo	No	4	- 1/5/2017	Root Intrusion	
SS	City Of Antioch CS	SSSO10890	831189	Certified	Category 3	4316 Hillcrest Ave., Antioch CA, 94531	Contra Costa	No	3	- 12/27/2016	Pipe Structural Problem/Failure	
SS	Sacramento Area Sewer District CS	SSSO10912	832214	Certified	Category 3		173434	Sacramento	No	3	- 12/1/2016	Pipe Structural Problem/Failure
SS	Sacramento Area Sewer District CS	SSSO10912	832215	Certified	Category 3		173441	Sacramento	No	3	- 12/1/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	832224	Certified	Category 3		173601	Sacramento	No	3	- 12/3/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	832226	Certified	Category 3		173614	Sacramento	No	3	- 12/4/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	832228	Certified	Category 3		173623	Sacramento	No	3	- 12/4/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	832231	Certified	Category 3		173628	Sacramento	No	3	- 12/4/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	832235	Certified	Category 3		173779	Sacramento	No	3	- 12/6/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	832236	Certified	Category 3		173789	Sacramento	No	3	- 12/6/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	832237	Certified	Category 3		173792	Sacramento	No	3	- 12/6/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	832254	Certified	Category 3		174137	Sacramento	No	3	- 12/12/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	832265	Certified	Category 3		174312	Sacramento	No	3	- 12/14/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	832272	Certified	Category 3		174528	Sacramento	No	3	- 12/16/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	832287	Certified	Category 3		174752	Sacramento	No	3	- 12/20/2016	Grease deposition (FOG)
SS	Sacramento Area Sewer District CS	SSSO10912	832288	Certified	Category 3		174984	Sacramento	No	3	- 12/20/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	832297	Certified	Category 3		175189	Sacramento	No	3	- 12/23/2016	Debris-General
SS	Sacramento Area Sewer District CS	SSSO10912	832311	Certified	Category 3		175252	Sacramento	No	3	- 12/26/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	832314	Certified	Category 3		175261	Sacramento	No	3	- 12/26/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	832326	Certified	Category 3		175462	Sacramento	No	3	- 12/28/2016	Debris-General
SS	Sacramento Area Sewer District CS	SSSO10912	832329	Certified	Category 3		175491	Sacramento	No	3	- 12/29/2016	Debris-General
SS	Sacramento Area Sewer District CS	SSSO10912	832340	Certified	Category 3		175575	Sacramento	No	3	- 12/31/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	832346	Certified	Category 3		175622	Sacramento	No	3	- 1/2/2017	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	832363	Certified	Category 3		176068	Sacramento	No	3	- 1/8/2017	Debris-General
SS	Sacramento Area Sewer District CS	SSSO10912	832366	Certified	Category 3		176227	Sacramento	No	3	- 1/10/2017	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	832376	Certified	Category 3		176642	Sacramento	No	3	- 1/13/2017	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	832395	Certified	Category 3		176817	Sacramento	No	3	- 1/17/2017	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	832397	Certified	Category 3		176923	Sacramento	No	3	- 1/18/2017	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	832398	Certified	Category 3		176976	Sacramento	No	3	- 1/19/2017	Debris-General
SS	City Of Antioch CS	SSSO10890	831070	Certified	Category 3	1216 E 13th St., Antioch CA, 94509	Contra Costa	No	2	- 12/21/2016	Root Intrusion	
SS	City Of Lakeport CS	SSSO10896	830643	Certified	Category 3	645 Eleventh St.	Lake	No	2	- 12/11/2016	Debris from Lateral	
SS	Hangtown Creek CS	SSSO10965	831045	Certified	Category 1	2887 Mosquito Rd	El Dorado	Yes	2	1 12/21/2016	Debris-General	
SS	Dry Creek CS	SSSO10935	831836	Certified	Category 3	106 Estates Dr.	Placer	No	2	- 12/27/2016	Root Intrusion	
SS	Sacramento Area Sewer District CS	SSSO10912	832220	Certified	Category 3		173568	Sacramento	No	2	- 12/2/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	832221	Certified	Category 3		173582	Sacramento	No	2	- 12/3/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	832244	Certified	Category 3		173938	Sacramento	No	2	- 12/8/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	832249	Certified	Category 3		174076	Sacramento	No	2	- 12/11/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	832251	Certified	Category 3		174101	Sacramento	No	2	- 12/12/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	832255	Certified	Category 3		174156	Sacramento	No	2	- 12/12/2016	Debris-General
SS	Sacramento Area Sewer District CS	SSSO10912	832267	Certified	Category 3		174331	Sacramento	No	2	- 12/15/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	832271	Certified	Category 3		174526	Sacramento	No	2	- 12/16/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	832279	Certified	Category 3		174581	Sacramento	No	2	- 12/17/2016	Debris-General
SS	Sacramento Area Sewer District CS	SSSO10912	832285	Certified	Category 3		174663	Sacramento	No	2	- 12/18/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	832294	Certified	Category 3		175111	Sacramento	No	2	- 12/22/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	832298	Certified	Category 3		175197	Sacramento	No	2	- 12/23/2016	Debris-General
SS	Sacramento Area Sewer District CS	SSSO10912	832300	Certified	Category 3		175207	Sacramento	No	2	- 12/23/2016	Root intrusion

Region	Collection System	WDD	Spill ID	Certification Status	Spill Type	Spill Location Name	County	Did Spill Reach Surface Waters? (Y/N)	Total Spill Volume (Gallons)	Spill Volume that Reached Surface Waters (Gallons)	Start Date	Spill Cause	
SS	Sacramento Area Sewer District CS	SSSO10912	832301	Certified	Category 3		175214	Sacramento	No	2	-	12/24/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	832308	Certified	Category 3		175239	Sacramento	No	2	-	12/25/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	832312	Certified	Category 3		175256	Sacramento	No	2	-	12/26/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	832317	Certified	Category 3		175285	Sacramento	No	2	-	12/27/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	832334	Certified	Category 3		175541	Sacramento	No	2	-	12/30/2016	Pipe Structural Problem/Failure
SS	Sacramento Area Sewer District CS	SSSO10912	832335	Certified	Category 3		175542	Sacramento	No	2	-	12/30/2016	Debris-General
SS	Sacramento Area Sewer District CS	SSSO10912	832339	Certified	Category 3		175573	Sacramento	No	2	-	12/31/2016	Root intrusion
SS	Pacific Gardens Sanitary District CS	SSSO11480	831394	Certified	Category 3	3302 Margaret	San Joaquin	No	2	-	12/27/2016	Root intrusion	
SS	Easterly CS	SSSO10938	831370	Certified	Category 3	135 E. Deodara St	Solano	No	2	-	12/29/2016	Debris-General	
SS	City Of Antioch CS	SSSO10890	832379	Certified	Category 3	2967 Roosevelt Ln, Antioch, CA 94509	Contra Costa	No	2	-	1/30/2017	Root Intrusion	
SS	City Of Antioch CS	SSSO10890	832400	Certified	Category 3	3309 G St., Antioch, CA 94509	Contra Costa	No	2	-	1/31/2017	Root Intrusion	
SS	Clearlake Oaks Co Wtr Dis CS	SSSO10906	832192	Certified	Category 3	Oxidation Ditch	Lake	No	2	-	1/22/2017	Operator Error	
SS	Sacramento Area Sewer District CS	SSSO10912	832411	Certified	Category 3		175589	Sacramento	No	2	-	1/1/2017	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	832427	Certified	Category 3		175653	Sacramento	No	2	-	1/3/2017	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	832290	Certified	Category 3		176754	Sacramento	No	2	-	1/17/2017	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	832293	Certified	Category 3		176811	Sacramento	No	2	-	1/17/2017	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	832294	Certified	Category 3		176814	Sacramento	No	2	-	1/17/2017	Grease deposition (FOG)
SS	Sacramento Area Sewer District CS	SSSO10912	832296	Certified	Category 3		176891	Sacramento	No	2	-	1/18/2017	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	833302	Certified	Category 3		177009	Sacramento	No	2	-	1/19/2017	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	833304	Certified	Category 3		177082	Sacramento	No	2	-	1/20/2017	Debris-General
SS	Sacramento Area Sewer District CS	SSSO10912	833307	Certified	Category 3		177104	Sacramento	No	2	-	1/20/2017	Debris-General
SS	Sacramento Area Sewer District CS	SSSO10912	833309	Certified	Category 3		177141	Sacramento	No	2	-	1/21/2017	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	833310	Certified	Category 3		177148	Sacramento	No	2	-	1/22/2017	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	833311	Certified	Category 3		177155	Sacramento	No	2	-	1/22/2017	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	833335	Certified	Category 3		177529	Sacramento	No	2	-	1/26/2017	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	833342	Certified	Category 3		177777	Sacramento	No	2	-	1/30/2017	Debris-General
SS	Sacramento Area Sewer District CS	SSSO10912	833346	Certified	Category 3		177844	Sacramento	No	2	-	1/31/2017	Root intrusion
SS	City of Stockton MUD CS	SSSO11433	832424	Certified	Category 3	5608 Pershing ave.	San Joaquin	No	2	-	1/30/2017	Root Intrusion	
SS	City Of Antioch CS	SSSO10890	831372	Certified	Category 3	1119 E St., Antioch CA, 94509	Contra Costa	No	1	-	12/27/2016	Pipe Structural Problem/Failure	
SS	Sacramento Area Sewer District CS	SSSO10912	832222	Certified	Category 3		173585	Sacramento	No	1	-	12/3/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	832225	Certified	Category 3		173610	Sacramento	No	1	-	12/3/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	832259	Certified	Category 3		174281	Sacramento	No	1	-	12/14/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	832282	Certified	Category 3		174608	Sacramento	No	1	-	12/19/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	832286	Certified	Category 3		174689	Sacramento	No	1	-	12/19/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	832307	Certified	Category 3		175236	Sacramento	No	1	-	12/25/2016	Debris-General
SS	Sacramento Area Sewer District CS	SSSO10912	832329	Certified	Category 3		175241	Sacramento	No	1	-	12/26/2016	Root intrusion
SS	City of Stockton MUD CS	SSSO11433	830368	Certified	Category 3	2225 S. American St.	San Joaquin	No	1	-	12/1/2016	Debris-General	
SS	City Of Jackson CS	SSSO10895	831812	Certified	Category 1	145 Main St	Amador	Yes	1	1	1/11/2017	Other (specify below)	
SS	Sacramento Area Sewer District CS	SSSO10912	832269	Certified	Category 3		176292	Sacramento	No	1	-	1/10/2017	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	832271	Certified	Category 3		176462	Sacramento	No	1	-	1/11/2017	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	832277	Certified	Category 3		176649	Sacramento	No	1	-	1/13/2017	Debris-General
SS	Sacramento Area Sewer District CS	SSSO10912	833314	Certified	Category 3		177204	Sacramento	No	1	-	1/23/2017	Operator error
SS	Sacramento Area Sewer District CS	SSSO10912	833331	Certified	Category 3		177486	Sacramento	No	1	-	1/26/2017	Operator error
SS	Sacramento Area Sewer District CS	SSSO10912	833340	Certified	Category 3		177706	Sacramento	No	1	-	1/28/2017	Root intrusion