

California Regional Water Quality Control Board
Central Valley Region

Pamela Creedon, Executive Officer



EXECUTIVE OFFICER'S REPORT
August 17-19, 2016

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SUCCESS STORIES

From 16 March to 16 May, 50 Notices of Applicability were issued to growers in the Tulare Lake Basin Area, which confirmed the enrollment of 5,507 irrigated acres. Approximately 67% of the applications for coverage were voluntarily submitted by growers, and 33% were submitted in response to enforcement activities conducted by Water Board staff.

IRRIGATED AGRICULTURE – SUCCESSFUL COMPLETION OF IMPLEMENTED MANAGEMENT PLANS

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

- **Sacramento Valley Water Quality Coalition**

On 11 July, the Executive Officer approved the completion of four management plans for the Sacramento Valley Water Quality Coalition (Coalition), including two for toxicity and two for pesticides. The implemented management plans successfully eliminated water quality problems caused by discharge of agricultural pollutants into surface receiving waters.

SITE CLEANUP-SUCCESSFULLY CLOSED-NO FURTHER ACTION REQUIRED

- **Closure of Two Sites at the Aerojet Rocketdyne Superfund Site, Sacramento County** On 30 June; land use covenants (LUCs) were signed by the Executive Officer and the Department of Toxic Substances Control for two sites on the Aerojet Rocketdyne Superfund Site. The two sites are C41 and C29. Both sites are part of the Perimeter Groundwater Operable Unit and found in the central portion of the Superfund Site. Site C41 required excavation of perchlorate contaminated soils to depths of around 12 feet. Residual perchlorate remains from 12 feet down to the water table around 85 feet below ground surface. The LUCs restrict use and recharge of groundwater, prevent disturbance of groundwater monitoring and remedial systems, and require a soil management plan for removal of any soil below 12 feet. The residual perchlorate does not pose a human health treat, but remains a threat to groundwater quality. Existing and future groundwater contamination remediation is occurring under the Records of Decision for the Western and Perimeter Groundwater Operable Units. The area of C41 is scheduled for residential development in the next ten years. Site C29 was found to have no contamination requiring a remedy to allow restricted use of the property. The LUCs for C29 are the same as those for C41, except without the need for a soil management plan. C29 is also in an area of Aerojet Rocketdyne proposed residential housing. With the signing of the LUCs the two sites are essentially closed, with only the implementation and monitoring of the LUCs being required under the Record of Decision for the Perimeter Groundwater Operable Unit. (AMM)
- **Final Records of Decision, Site FT029, Site LF033, and Site SD005, Beale AFB, Yuba County.** In June 2016, the Records of Decision (RODs) for Site FT029, Site LF033, and Site SD005 at Beale Air Force Base were finalized by the Air Force and State of California represented by the Central Valley Water Board and Department of Toxic Substances Control. The Site FT029 ROD selected no further action for soil and soil vapor and no action for sediment and surface water as the final remedy to protect human health and the environment. The Site LF033 ROD selected no action for soil, soil vapor, sediment, surface water, and groundwater while the Site SD005 ROD selected no further action for soil and soil vapor and no action for surface water. Groundwater beneath Site FT029 and Site SD005 is being addressed separately through basewide groundwater Site CG041. Each site is considered suitable for unlimited use/unrestricted exposure.

Site FT029 covers about 50 acres and includes a former unlined burn pit used as an open burn and fire training area during World War II. The burn pit is about 400 feet long by 50 feet wide. Fuels, solvents, waste oil, and other flammable materials were ignited and extinguished in the pit. Trichloroethene (TCE), polycyclic aromatic hydrocarbons (PAHs), and pesticides were reported at low levels in soil and TCE and carbon tetrachloride were identified in soil vapor. A soil vapor extraction (SVE) system operated from May 1997 to 2001 and reduced contaminant concentrations by more than two orders of magnitude.

Site LF033 is a 10-acre former disposal area primarily used for concrete rubble refuse and base construction debris from the 1950s through the early 1970s. Low concentrations of total petroleum hydrocarbons (TPH) as motor oil and PAHs were reported in soil. Low levels of volatile organic compounds (VOCs) were sporadically reported in soil vapor and were found in groundwater along with TPH as gasoline, and TPH as diesel and jet fuel. No remedial actions were performed at Site LF033.

Site SD005 consists of twelve former SR-71 aircraft shelters located at the flightline. Only the two northernmost shelters remain. Approximately 1,000 to 5,000 gallons of fuel per month were released to the hangar floors and concrete apron area during refueling and aircraft maintenance. Runoff from the hangar floors and apron flowed directly to unpaved areas and to an oil/water separator which discharged to a series of storm sewers and drains. Low levels of VOCs, petroleum hydrocarbons, PAHs, and polychlorinated biphenyls (PCBs) were reported in soil. Benzene was reported at a low concentration in one soil vapor sample while TPH as diesel was reported in surface water. No remedial actions were completed at the site, although 60 cubic yards of contaminated soil was removed and replaced with clean fill during excavation of the oil/water separator in 1999. Excluding groundwater, Site SD005 is considered suitable for closure under the State Water Resources Control Board's low-threat underground storage tank case closure policy (LTCP).

- **Final Record of Decision, Site LF013, Beale AFB, Yuba County.** The Record of Decision for Site LF013 at Beale Air Force Base was finalized in July 2016 by the Air Force and State of California represented by the Central Valley Water Board and Department of Toxic Substances Control. Site LF013 consists of former Landfill No. 1 located just west of the base domestic wastewater treatment plant (WWTP) and covers approximately 429 acres. The site also includes Site WP002, a pipeline for the former photographic WWTP (PWTP), and Site DP019, a portion of the PWTP comprising a clarifier, drying basins, neutralizer basin, and blending basin. Metals- and dioxin/furan-contaminated soil were identified as posing potential risks to human health and the environment. Approximately 7,500 tons of soil and debris were removed from the former landfill and disposed offsite between 1996 and 1998. Two soil vapor extraction (SVE) systems were operated at the site from 1996 to 2001, and 1997 to 2009, respectively. The final remedy is to maintain land use controls (LUCs) consisting of both engineering controls (soil cover) and institutional controls (land use restrictions). A 4-foot thick soil cover installed in 2005 as an interim remedy over the former landfill and portions of the PWTP pipeline will be maintained in perpetuity. Institutional controls to prohibit residential land use and restrict invasive activities will also be maintained to provide long-term protectiveness. No further action was identified as necessary to protect human health and the environment for sediment and surface water at the site. Site WP002 is being administratively closed under the ROD and its LUCs will be transferred to Site LF013. Groundwater beneath Site LF013 is being addressed separately as part of basewide groundwater Site CG041.
- **Site SS508, Beale AFB, Yuba County.** The Final No Further Response Action Planned decision document for Site SS508 under the RCRA program was finalized in March 2016 by the Air Force and State of California represented by the Central Valley Water Board and Department of Toxic Substances Control. Site SS508 is the Civil Engineering Equipment Yard located in the northern Cantonment Area of Beale Air Force Base. No further action was selected as the final remedy for soil and surface water to protect human health and the environment. Tetrachloroethene (PCE), possibly related to parts cleaning activities, was historically released to the surface in the vicinity of Building 2530 and Building 2548. Site investigations found low concentrations of PCE in soil and soil vapor that were not deemed a threat to human health and the environment; therefore, no remedial actions were recommended for these media. Groundwater contamination beneath Site SS508 is being addressed separately as part of basewide groundwater Site CG041.

- **All Seasons Cleaners, 6705 Winding Way, Fair Oaks, Sacramento County.** In 2013, the Executive Officer issued a Technical Reporting Order to the All Seasons Cleaners property owner due to its close proximity to three municipal wells that have been affected by perchloroethylene (also known as PCE, a dry cleaning solvent). The dry cleaner had used PCE in its business operation until 2011. As required by the Order, the property owner tested soil gas and groundwater for PCE. Low concentrations of PCE were detected in on and off-site soil gas and groundwater samples. However, the sample results did not indicate a significant threat to the environment, human health or the local groundwater supply. Therefore, a No Further Action Determination letter was issued to the property owner on July 7, 2016. Staff continues to search for potential sources of PCE in the area.
- **Northland Cedar, 6240 Grange Road, Richfield, Tehama County, Case SLT5R916**
This case has been backlogged for 11 years. On 18 November 1999, Central Valley Water Board staff inspected the site (a lumber mill) and discovered two opened bags of granular pentachlorophenol (PCP) near the bank of Thomes Creek. Northland Cedar had the bags disposed by a licensed waste hauler on 10 February 2000. On 16 February 2000, Central Valley Water Board referred the case to the Department of Toxic Substances Control (DTSC). On 30 May 2000 Northland Cedar submitted a soil and groundwater investigation report to Tehama County Department of Environmental Health. In November 2015, Central Valley Water Board staff contacted DTSC to inquire about the status of the case. DTSC indicated that a screening evaluation of the site had determined insufficient information to warrant further action. In April 2016, staff discussed the case with Tehama County Department of Environmental Health and determined that the County planned no additional action on the site. Evidence of pollution was not observed when staff inspected the site on 10 May 2016. Central Valley Water Board issued a Notice of Intent to Close Case on 18 May 2016. Staff closed the case on 8 June 2016.

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**

- **Highway Patrol Headquarters, 11050 13TH Avenue, Hanford, Kings County**
The Site is currently occupied by a vacant building, previously a California Highway Patrol (CHP) headquarters. A 12,000-gallon, fiberglass, gasoline UST was removed in December 1986 with oversight by Kings County Health Department (KCHD). Groundwater was observed in the UST excavation. Analyses of soil and groundwater indicated that petroleum hydrocarbons had been released into soil and groundwater. KCHD referred the case to the Central Valley Water Board in January 1987.

Site investigations determined that petroleum hydrocarbons migrated laterally from the former UST location, to include an area estimated to be at least 9,600 square feet. The majority of impacted soil was between a depth of 10 feet bgs and groundwater.

Remediation included excavation of 600 cubic yards of impacted soil and soil vapor extraction, which removed about 9,300 pounds of petroleum constituents.

Groundwater monitoring at the Site since May 1989 has shown a general decrease in petroleum product constituent concentrations since December 1993, and confirm that the groundwater plume is either stable or decreasing in extent. Petroleum constituents should continue to degrade naturally, and pose no significant threat to human health and safety, the environment or groundwater.

Based on the evaluation of the soil and groundwater investigation results, the case met the fundamental framework and principles of the Policy, and was closed on 19 May 2016.

- **Arellano Farms, 10682 Road 29 1/2, Madera, Madera County**

The Site is currently vacant in an area of agricultural fields and farms. The Site is the former location of a fiberglass 1,500 gallon diesel underground storage tank (UST) which was removed in April 1988 with oversight by Madera County Environmental Health Department (MCEHD) personnel.

In November 1991 a remedial excavation was conducted to a depth of 45 feet beneath the former UST. From August 1993 to December 1995, about 660 cubic yards of excavated soil was aerated on the Site. The mass removed was not reported, but it is conservatively estimated that about 80 pounds of total petroleum hydrocarbons as diesel was removed.

On 29 May 2013, the MCEHD referred the case to the Central Valley Water Board for regulatory oversight. Additional investigation was conducted in November 2015 to assess whether or not the case could meet the closure criteria contained in the Policy. Groundwater was estimated to be at a depth of 120 feet. Based on the investigation results, hydrocarbon impacts were no deeper than 45 feet. A site-specific analysis determined the case to be a low-threat consistent with the fundamental principles of the Policy, and was closed on 25 May 2016.

- **Modern Welding Company of California, 4141 North Brawley Avenue, Fresno, Fresno County.** The Site is currently an industrial business that manufactures steel and fiberglass tanks. A 10,000 gallon UST and dispenser for diesel fuel were removed in September 2013. Analytical results of soil samples collected from beneath the former dispenser location indicated concentrations of TPHd at 5,900 mg/kg. The Fresno County Division of Environmental Health (FCDEH) referred the Site to the Central Valley Water Board for regulatory oversight in February 2015.

A subsurface investigation conducted in October 2015 determined that about 61 pounds of TPHd remain in soil from 2-7 feet beneath the former dispenser location. Groundwater is estimated to be more than 100 feet below ground surface. The Site qualified for case closure in accordance with the criteria contained in the Policy, and was closed on 25 May 2016.

b) **REDDING OFFICE**

- **Dame Shirley Plaza and Quincy Petroleum Discovery, 555 and 570 West Main Street, Quincy, Plumas County, Cases No. 320070 and 320072**

In May 2012, a geotechnical investigation in Dame Shirley Plaza observed hydrocarbon pollution in one of the borings. A preliminary investigation determined that the pollution source was likely a historic heating oil underground storage tank (UST) associated with a former hotel on the site of Dame Shirley Plaza. Approximately 750 cubic yards of polluted soil containing an estimated 60 kilograms of petroleum hydrocarbons was removed in conjunction with the tank excavation. Residual contamination associated with the former UST occurs at depths of 10 to 20 feet. Subsequent investigations identified another area consisting of an approximately 50-foot diameter plume of free product beneath Main Street and adjacent to the building at 555 West Main Street. The maximum thickness of this free product was determined to be less than an inch. A human health risk assessment concluded that there is no risk to human health from vapor intrusion due to remaining hydrocarbon pollution in soil and groundwater beneath 555 West Main Street. Due to the presence of the building, street, subsurface utilities and the highly weathered nature and limited mobility of the product, no further action was taken to address the free product plume. An environmental deed restriction was recorded for the residual soil contamination and free product

plume. Central Valley Water Board staff closed the cases under the Low Threat Closure Policy in July 2016.

c) **SACRAMENTO OFFICE**

• **Former Kellher Gas Station, 710 South Tehama Street, Willows, Glenn County**

The Site is currently a vacant lot. In May 2003, petroleum hydrocarbons were detected when seven USTs and associated dispensers were removed and the station demolished. From 2003 through 2015 soil and groundwater investigations were conducted, and active remediation using high vacuum dual phase extraction and air sparging removed about 5,800 pounds of gasoline hydrocarbons. A survey of nearby water supply wells indicated they are not threatened by the remaining naturally attenuating plume of gasoline 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 27 April 2016.

- **Circle A Gas Station, 1215 East 22nd Street, Yuba County.** The Site is currently a fueling station and convenience store. In July 1997, one 8,000-gallon gasoline underground storage tank (UST) along with associated piping was removed from the Site. Subsequent investigations and groundwater monitoring showed the Site met the general and site-specific criteria for case closure under the Low Threat Closure Policy. The Site was closed on 28 April 2016.

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

Tulare County

- Mooney Grove Park, 27000 South Mooney Boulevard, Visalia

STAFF RECOGNITION

SUPERIOR ACCOMPLISHMENT AWARDS

At the June 22-24 regular board meeting, Executive Officer Pamela Creedon presented Superior Accomplishment awards to the following staff:

Candidate: Kiran Lanfranchi-Rizzardi
Unit: Executive
Title: Administrative Assistant II/Clerk to the Board
Supervisor: Pamela C. Creedon, Executive Officer

Kiran serves as Clerk of the Board for the Central Valley Region. She is also the Executive Assistant to our Executive Officer and management team. Kiran is being recognized for her dedication and commitment to our Board, Executive Management team and the staff of the Central Valley Region

Kiran's days are filled with arranging executive and Board member meetings, making travel arrangements, preparing travel expense claims, screening and tracking all executive correspondence, taking multiple calls and working or coordinating with State Board, CalEPA and others outside the Board to ensure the Board member's and Executive staffs Board-related needs are met. In addition, she oversees the development and preparation of our Board meeting agendas, logistics, and related materials. Lastly, she ensures that our Board members feel welcomed and that all aspects of our Board meetings are managed, including preparation of the Board room and cleanup following the meetings.

Kiran's attention, care and concern are felt by many in our Region. Whether it is her preparing Special meals for the holidays, ensuring that snacks or beverages to their liking are available to the Board members, her offering assistance to help other staff, or just her kind smile and encouragement, she is cheerful and a pleasure to have on our team. She demonstrates a professional attitude towards others and her work products, and she is dedicated to this Board as is demonstrated in her on-going efforts that are above and beyond what she is called to do.

It is a pleasure to recognize Kiran as a valuable and needed asset to our Board and Executive team.

REDDING OFFICE

Candidate: Dan Warner
Unit: Storm Water & Water Quality Certification Unit
Title: Water Resources Control Engineer
Supervisor: George Day

Dan is being nominated for the Superior Accomplishment Award in recognition of his consistently high performance, and notable contributions to the Central Valley Water Board. Dan's core responsibilities are in the Water Quality Certification program and in special enforcement activities.

Recently, Dan has brought his expertise and time management skills to the Water Quality Certification program, where he has excelled in reducing the number of back-logged water quality certification applications in the region. Dan has written over 100 water quality certifications since July 2015. His efforts provided timely attention to these important projects, and have kept new applications on track to meeting legal time lines. Dan demonstrated initiative, dedication, and flexibility in addition to excellent time management skills.

Dan was also the lead enforcement staff on a difficult and high profile enforcement case, where it took several attempts to serve the Discharger with an inspection warrant. Dan's knowledge of the California Water Code and other regulations proved very helpful. The case is currently in litigation.

These are just a couple of examples of Dan's consistent contributions to the Central Valley Water Board. His work ethic, conscientiousness, and professionalism are greatly appreciated by management and his colleagues alike. Dan is an asset to the Water Quality Certification and enforcement programs.

FRESNO OFFICE

Candidate: Rebecca Asami
Unit: Oil Fields Pond Unit
Title: Engineering Geologist
Supervisor: Dale Harvey

Rebecca's normal duties as a member of the Oil Field Unit involve inspecting petroleum production facilities, reviewing and analyzing technical documents submitted by petroleum producers, and preparing orders and other documents for enforcement actions against dischargers that have violated the California Water Code or an order adopted by the Central Valley Regional Water Quality Control Board or the State Water Resources Control Board. During January 2016, Rebecca was also called upon to perform duties above and beyond her normal Oil Field Unit duties.

During January 2016, Rebecca reviewed Discharger comments on various draft Cleanup and Abatement Orders. She incorporated those comments into the Orders and finalized six of those Orders for signature. Rebecca also helped coordinate the 12 January 2016 meeting for the Food Safety Oil Field Produced Water expert panel. Rebecca helped prepare for the meeting, put together documents (project charter), issued the public notice, posted documents on our website, answered logistical questions about the meeting from the general public, prepared presentations for the meeting by stakeholders and panel members, and worked with the panel members during the meeting. She also took notes, ran the sign-in sheet, and worked with the Rancho Cordova staff to get the meeting and presentations running. After the meeting, she worked with staff to coordinate efforts to gather data for the panel members.

Rebecca consistently maintains a positive and professional demeanor. She accomplishes tasks skillfully and in a timely manner. She also readily assists other staff to accomplish the goals of our unit and the Oil Field Program. Rebecca's recent and sustained efforts in the performance of her assigned duties make her a valuable member of our organization.

EMPLOYEE OF THE MONTH RECOGNITION

SACRAMENTO OFFICE MAY 2016

Candidate: Beth Thayer
Unit: NPDES Permitting
Title: Water Resource Control Engineer
Supervisor: Josh Palmer

Beth is an Engineer in the Sacramento Point Source Permitting Unit. She is being recognized for her outstanding work performance in the NPDES permitting section. Beth exhibits a positive attitude, produces quality work products, and has been willing to take on extra work while still being able to maintain her already significant workload. Recently, Beth did an outstanding job on writing the City of Auburn permit renewal and concurrently reworking the Limited Threat General Order to improve its usability. In addition to her workload, Beth took on managing the Low and Limited Threat General Order.

Her work productivity, attitude and witty sense of humor makes her a valuable member of our unit and the organization, she is definitely deserving of the Employee Recognition Award.

Candidate: Vera Fischer
Unit: UST Enforcement
Title: Engineering Geologist
Supervisor: Cori Condon

Vera is being nominated for Employee of the month for her outstanding work with the regulated community and achievements in environmental cleanups at numerous underground storage tank sites. Vera's continuing efforts to build and maintain good working relationships with responsible parties, and State and local agencies have made an exceptional contribution to the Regional Water Quality Control Board's mission. This past year Vera prepared an enforcement Order for a contentious underground storage tank case that has impacted neighboring domestic water users. In addition to revising the draft Order in response to comments, Vera also prepared responses to over 30 pages of comments received to the draft 13267 Order from the consulting firms representing the Responsible Parties.

Due to San Joaquin County's decision to leave the Local Oversight Program, Vera has been assigned 34 additional cases in San Joaquin County, almost doubling her prior work load. In the last year Vera has closed multiple difficult UST cases.

Vera also works closely with Sacramento, San Joaquin, Napa and Contra Costa Counties to achieve cleanup and determine that no further action was needed at over 55 sites during this current fiscal year. To reach agreement on the No Further Action Required status extensive technical review and collaboration with responsible parties and County staff is required to assure beneficial uses of water and public health are protected.

REDDING OFFICE

JUNE 2016

Candidate: Scott Zaitz
Unit: Stormwater and Water Quality Certification Unit
Title: Environmental Scientist
Supervisor: George D. Day

Scott Zaitz is an Environmental Scientist in the Redding office's Stormwater & Water Quality Certification Unit. Scott has conducted 120 storm water & water quality inspections over the past year. These inspections have resulted in numerous Notice of Violations and a cleanup and abatement order. Scott was the lead investigator on an industrial storm water site that mines silica sands. The Facility failed to

comply with the industrial storm water general permit by failing to adequately implement best management practices, resulting in the discharge of sand and sediment to receiving waters. Scott drafted a Cleanup and Abatement Order. We appreciate all his hard work.

Scott has conducted 120 stormwater & water quality inspections over the past year. He is the lead investigator on an industrial stormwater case at Mineral Resources a site that mines silica sands. The Facility failed to comply with the industrial storm water general permit by failing to adequately implement best management practices. The facility was placed on notice after an October 2015 inspection that resulted in a Notice of Violation. The Discharger was warned to improve erosion and sediment control BMPs and to provide additional capacity within their stormwater retention pond. The failure to implement these BMPs resulted in the discharge of sand and sediment to receiving waters in March 2016. Scott led the team investigating the discharges and drafted a Cleanup and Abatement Order.

Scott's regulatory approach is to explain to the dischargers the need to comply and be protective of water quality. However failure to comply will result in formal enforcement action. Scott is extremely knowledgeable of the stormwater and water quality certification program and is respected by the regulated community, the public, and his peers. He is a tremendous asset to the Water Board. We appreciate his dedication and expertise. Thank you for hard work and dedication!

FRESNO OFFICE

JUNE 2016

Candidate: Alex Mushegan
Unit: NPDES/Storm Water/401 WQC
Title: Water Resources Control Engineer
Supervisor: Matt Scroggins

Alex has been with the Board full time for over four years. Alex consistently demonstrates a willingness and ability to increase his knowledge of the NPDES and other programs. His overall good attitude and focus on project assignments have never wavered. Alex's accomplishments last month include:

1. Conducting an inspection and transmitted a NOV and inspection report for the Cutler-Orosi WWTF;
2. Preparing and transmitting two technical reviews of Pollution Prevention Plans for the Atwater WWTF and the Balsam Meadows Hydroelectric Project;
3. Providing a review of the preliminary draft of the new regionwide Low/Limited Threat General Order;
4. Preparing CEQA comments for a Kern County solar project;
5. Producing a kmz file that depicts the location and permit status for our 400-500 industrial storm water sites.
6. Starting the reasonable potential analysis to renew the Atwater WWTF NPDES permit; and
7. Performing various case handling duties related to Simplot, Cutler-Orosi WWTF, Atwater WWTF, Clovis WWTF, and Bear Valley WWTF.

Alex is always looking for a challenge and is eager to take on assignments that are above and beyond his assigned duties. He has a history of drafting programmatic documents and tools that benefit our entire region. The most recent example of this is Alex's development of a sophisticated program activity tracker that each and every NPDES permit writer in the region uses to track their daily activities. Upper management wants this information tracked to inform program decisions. Alex's tracker surpassed management expectations and will contribute greatly to future NPDES program work plans and actions.

In summary, Alex has established himself as a valuable asset to the NPDES program and the Board. His dedication to the Board's mission is evident and appreciated.

PERFORMANCE MEASURES

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

Region 5 Performance Measurement Summary from 1 July 2015 to 30 June 2016					
Programs	Target	* Actuals: Permits or Facilities Inspected	** Total # of Inspections Performed	Percent Complete	Comments
NPDES Wastewater					
Major Individual Permits Issued, Revised, and Renewed	12	12	n/a	100%	
Major Individual Facilities Inspected	29	32	35	110%	Percent complete calculation for inspections in the NPDES program utilizes <i>facilities inspected</i> --not the total number of inspections--divided by the target.
Minor Individual Permits Issued, Revised, and Renewed	9	8	n/a	89%	The renewal of the City of Colusa's permit was rescheduled to the August Board Meeting.
Minor Individual Facilities Inspected	14	24	26	171%	Staff in the Redding Office have conducted twice as many Minor Facility inspections as was anticipated at the start of the year, partially due to complaint investigations. (Percent complete calculation for this metric utilizes <i>facilities inspected</i> --not the total number of inspections--divided by the target.)
Minor General Enrollees Facilities Inspected	0	1	1	N/A	Inspection conducted in response to a complaint; no violations noted in inspection report.
Waste Discharge to Land – Wastewater					
Municipal Waste, Industrial Waste, and All Other Facilities - Permits Past Review Date Updated	27	33	n/a	122%	The total includes 25 adopted permits and eight renewals/revisions.
Municipal Waste, Industrial Waste, and All Other Facilities - Number of Inspections	224	168	179	80%	The target number includes oil field inspections that had previously been accounted for in this metric. Oil field inspections are now being entered uniquely in the database. (The percent complete calculation for all other inspection metrics besides the NPDES program utilizes <i>number of inspections</i> , not the number of unique facilities inspected.)
Land Disposal					
Landfills Permits Issued, Revised, and Renewed	10	9	n/a	90%	
Landfill Inspections	69	100	129	187%	Compliance and Enforcement staff have been conducting an increased number of inspections partially due to addressing complaints. (Percent complete calculation based on number of inspections, not facilities inspected.)
All Other Permits Issued, Revised, and Renewed	2	2	n/a	100%	
All Other Inspections	50	36	38	76%	Percent complete calculation based on number of inspections, not facilities inspected.
NPDES Storm Water					
Stormwater Construction Inspections	385	343	422	110%	Percent complete calculation based on number of inspections, not facilities inspected.
Stormwater Industrial Inspections	195	238	259	133%	Additional inspections were required to address new permit re-enrollment requirements. Percent complete calculation based on number of inspections, not facilities inspected.
Stormwater Municipal Inspections	0	0	0	N/A	Percent complete calculation based on number of inspections, not facilities inspected.
Other Programs					
Timber Harvest Inspections	166	170	182	110%	Percent complete calculation based on number of inspections, not facilities inspected.
Confined Animal Facility Inspections	350	372	446	127%	Additional follow-up inspections were required in some instances. Some additional inspections were also conducted in response to complaints. Percent complete calculation based on number of inspections, not facilities inspected.
Clean Up					
New DoD Sites Into Active Remediation	1	5	n/a	500%	Three sites at Beale Air Force Base initiated remedial action over the past year that were not initially predicted in the Performance Target.
New SCP Sites Into Active Remediation	84	85	n/a	101%	
Cleanup Program Sites Closed	107	53	n/a	50%	Regional Board staff approved documents to close 35 sites at McClellan Park in the spring of 2016. However, due to staffing changes/losses at the Federal Environmental Protection Agency (EPA), they have not completed the process to close those sites. Regional Board staff anticipate EPA's closure approval in early FY 2016-17.
New UST Sites Into Active Remediation	39	42	n/a	108%	
Underground Storage Tank Sites Closed	90	94	n/a	104%	
* Actuals: Number of facilities inspected or permits issued.					
** Total #: Number of inspections completed including all reinspections.					

ENFORCEMENT

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

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

Settlement of Irrigated Lands Regulatory Program Administrative Civil Liability Complaint with Supplemental Environmental Project to benefit Disadvantaged Communities

On 20 June 2016 the Executive Officer for the Central Valley Regional Water Board approved a settlement with Gurchuran and Balwinder Rakkar of Madera County for Administrative Civil Liability (ACL) Order R5-2016-0533 in the amount of \$63,700. The violations cited in the ACL Order are for violating California Water Code section 13260 by failing to obtain regulatory coverage for their irrigated agricultural lands. As part of the settlement, the Discharger must pay \$34,081 to the State Water Board's *Cleanup and Abatement Account*. Another \$29,619 will be paid to the Rose Foundation for Communities and the Environment (Rose Foundation) to be distributed to Self-Help Enterprises for their project: *Disadvantaged Communities (DAC) Engagement in Regional Water Planning for Madera County*. This project look sto improve DAC participation in Integrated Regional Water Management (IRWM) activities by working directly with DACs and IRMW groups to increase capacity, foster relationships, and mitigate barriers for groundwater sustainability projects. In accordance with the State Water Board's SEP Policy, the Rose Foundation will receive an additional \$955 for oversight of this project and reporting requirements back to the Central Valley Water Board.

- 2) Orders Issued or Adopted** – Enforcement Table 1, included below, provides a summary of all of the Enforcement Orders (Cleanup and Abatement Orders; Cease and Desist Orders; 13267 Investigative Orders; and Administrative Civil Liability Complaints and Orders) that have been issued by the Central Valley Regional Board since the previous EO Report and that are recorded in the California Integrated Water Quality System (CIWQS) database.

Enforcement Table 1 – Region 5 Enforcement Orders (25 May 2016 through 20 July 2016)

Date	Agency	County	Notes
5/31/2016	Paradise Irrigation District	Butte	Administrative Civil Liability (ACL) Oder (ACLO) R5-2016-0503 settling Mandatory Minimum Penalty (MMP) violations from 5 June 2013 through 31 July 2015 totaling \$30,000.
6/8/2016	S.M.S. Briners, Inc.	San Joaquin	California Water Code (CWC) Section 13267 Investigative Order requiring the submittal of documents that address the nature and extent of groundwater impacts caused from the release of high salinity waste from closed surface impoundments and from historical discharges of impacted storm water.

Enforcement Table 1 (cont.)

Date	Agency	County	Notes
6/9/2016	City of Jackson	Amador	ACLO issued in the amount of \$15,000 for violations of effluent limitation subject to MMPs which occurred during the period of 1 January 2014 through 31 December 2015. \$3,492 of the penalty has been satisfied because the Discharger has submitted information showing that it spent approximately \$3,492 to correct the total coliform organism and pH violations. The remaining \$11,508 penalty shall be considered satisfied through the expenditure of an equivalent or greater amount on the completion of the Compliance Project.
6/9/2016	City of Vacaville Department of Public Works	Solano	ACLO R5-2016-0553 in the amount of \$170,578 for violations of Discharge Prohibition III.A by discharging 211,880 gallons of chlorinated wastewater to Old Alamo Creek over a period of 46 minutes on 9 October 2015. The Discharger agreed to the imposition of an ACL) with \$82,289 of the ACL suspended pending completion of a supplemental environmental project (SEP).
6/13/2016	Recology Hay Road	Solano	CWC 13267 Investigative Order requiring documents that address the nature and extent of nitrate plume in groundwater beneath the site.
6/17/2016	Kirkwood Meadows Public Utilities District	Alpine	CWC 13267 Investigative Order requiring documents that address potential ammonia impacts at the site. (A subsequent, revised CWC 13267 Investigative Order was submitted by Regional Board staff on 30 June 2016 clarifying the ownership and operation of the former powerhouse at the property and amending the requirements of the 17 June 2016 Investigative Order.)
6/20/2016	Gurcharan & Balwinder Rakkar Trust	Madera	ACLO R5-2016-0533 issued in the amount of \$63,700 for failure to obtain coalition membership or submit a Report of Waste Discharge as required by Water Code section 13260.
6/20/2016	Lawrence Gasper	Shasta	Cleanup and Abatement Order (CAO) R5-2016-0711 issued for sediment discharges, and potential for future discharges, into waters of the state in absence of a permit.
6/20/2016	Alexandra Kensavath	Shasta	CAO R5-2016-0712 issued for potential sediment discharges associated with grading activities for the purpose of marijuana cultivation.

Enforcement Table 1 (cont.)

Date	Agency	County	Notes
6/24/2016	Cruiser Haven, Inc.	Contra Costa	ACLO R5-2016-0041, issued in the amount of \$26,963, replaces ACLC R5-2016-0501. The Order stipulates that Cruiser Haven, Inc. and Delta Waterways LLC (collectively Dischargers) failed to submit monitoring reports as required by Waste Discharge Requirements Order 5-01-093, and failed to submit a technical report required by a CWC section 13267 Order.
6/27/2016	Forward, Inc. and Republic Services, Inc.	San Joaquin	CWC 13267 Investigative Order requiring documents addressing inadequate reporting.
7/1/2016	Xang Bounieuttay	Shasta	CAO R5-2016-0713 issued for potential sediment discharges associated with grading activities for the purpose of marijuana cultivation.
7/8/2016	Vail Resorts, Inc.	Alpine	CWC 13267 Investigative Order requiring documents to address the water quality impacts resulting from the use of asphalt grindings to re-surface several parking lots at the Kirkwood Mountain Resort and the subsequent dispersion of these grindings caused by snow removal operations during the winter of 2015-2016.
7/13/2016	Raymond Lawrence	Shasta	CAO R5-2016-0714 to address sediment discharges associated with a failed dam and road network utilized to support cannabis cultivation.
7/13/2016	Mineral Resources, LLC.	Butte	CAO R5-2016-0710 requiring the Discharger(s) to clean-up and abate the effects of stormwater runoff that deposited sediment, silt, rock, and earthen material into Morris Ravine Creek and any unnamed tributaries of the Thermalito Diversion Pool, which is tributary to the Feather River.

3) **Enforcement Update** – Enforcement Table 2, included below, summarizes the enforcement actions issued in all the Regions since the last EO Report (25 May 2016 through 20 July 2016). From a statewide perspective, Region 5 was responsible for 24% of all the enforcement actions tracked in CIWQS during this period including 43% of all NOV's and 17% of all ACL's.

Enforcement Table 2 – Statewide Enforcement Actions (25 May 2016 through 20 July 2016)

Region / Office	Enforcement Actions								
	VER	SEL	NOV	NNC	13267	TSO	CAO	ACL	Total
1	0	0	0	0	0	0	0	2	2
2	0	0	1	0	0	0	0	1	2
3	0	29	2	0	0	0	0	0	31
4	3	0	13	5	2	2	0	16	41
5F	0	0	11	0	0	0	0	0	11
5R	0	0	2	0	0	0	6	1	9
5S	1	1	42	0	5	0	0	4	53
RB5 Total	1	1	55	0	5	0	6	5	73
6T	1	3	0	0	1	0	0	0	5
6V	10	4	1	0	0	0	0	1	16
7	0	2	0	0	0	0	0	0	2
8	18	4	0	23	0	0	0	0	45
9	0	12	2	0	1	0	0	0	15
Total	34	56	129	28	14	2	12	30	305
Enforcement Actions:									
VER = Verbal Communication					TSO = Time Schedule Order				
SEL = Staff Enforcement Letter					CAO = Cleanup and Abatement Order				
NOV = Notice of Violation					ACL = Administrative Civil Liability				
NNC = Notice of Non-Compliance (Stormwater)									
13267 = California Water Code Section 13267 Investigative Order									

SANITARY SEWER OVERFLOWS AND COMPLAINTS

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

There were two SSO events resulting in spills in excess of 50,000-gallons in April and May 2016.

Buena Vista Aquatic Science Center, Kern County Public Works Department, Kern County

On 11 April 2016, the Kern County Public Works Department reported a spill of partially treated wastewater to the Central Valley Regional Board staff via telephone message. (The reporting party corresponded with Regional Board staff the following day.) At approximately 1:00 am on 10 April 2016 the Buena Vista Aquatic Science Wastewater Treatment Plant (WWTP) experienced a rain storm to the extent that it overwhelmed the WWTP cause the flow meter to cease operating. The two pumps at the WWTP initiated pumping to their full capacity to lower the water level. The water level eventually receded at approximately 1:00 pm on 10 April 2016. Kern County Public Works Department (Kern County) staff estimated that approximately 300,000 gallons of rainwater mixed with partially treated effluent and was discharged to a large dirt area immediately adjacent to the plant. According to Kern County's 22 April 2016 letter-report detailing the discharge, no discharged water entered the adjacent Buena Vista Lake. The 22 April 2016 letter-report also states that Kern County is determining how to address the conditions that allowed this discharge to occur. The Regional Board issued a Notice of Violation on 27 May 2016 and requested the submittal of any additional updates or plans to prevent future SSO occurrences.

For this reporting period, there were **13** Category 1, **4** Category 2, and **216** Category 3 spills reported. Relevant data from all of the spills occurring during this reporting period is included as **Attachment A**.

Additional Information on SSOs

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

COMPLAINTS AND OTHER WATER QUALITY THREATS OR IMPACTS

CalEPA Complaints

Central Valley Regional Board staff are responsible for responding to complaints related to water quality within the Central Valley Region as they are received by the online California Environmental Protection Agency (CalEPA) Environmental Complaint. Information regarding the new CalEPA Complaints database is located in the *Enforcement* section of this EO Report.

So far in 2016, the Central Valley Water Board has received **83** complaints from the database, of which **67** have been investigated and closed, or referred out to another environmental enforcement agency. Investigations for the remaining **16** complaints received this year are 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, the Delta Conservancy, and the Office of Environmental Health Hazard Assessment. It is supported by funds from the Cleanup and Abatement Account and Delta dischargers. The goal of the Delta MERP is to protect public health by reducing exposure to mercury in fish caught in the Delta.

MERP has developed new advisory signs for the Delta and the sign installations are currently scheduled to take place at the end of summer 2016.

In addition, two entities have each received a \$20,000 grant to implement their mercury exposure reduction programs in FY 16/17. The first recipient, APSARA, is currently participating in the small grant program and has proven to be a successful collaborator. The second recipient is the Yolo County Children's Alliance. Their application included a proposal detailing a potentially high-impact program in the Yolo County area and will use an existing framework for their mercury exposure reduction activities. More information can be found at <http://deltaconservancy.ca.gov/delta-merp-small-grants-program>.

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

2. Delta Regional Monitoring Program (RMP)

The Steering Committee (SC) approved FY 16/17 Detailed Workplan and Budget for pesticides and toxicity, mercury, and nutrients is now available on the Delta RMP web page at: http://www.swrcb.ca.gov/rwqcb5/water_issues/delta_water_quality/delta_regional_monitoring/index.shtml

The Delta RMP will continue current use pesticides and toxicity monitoring on a monthly basis at the same five monitoring sites around the Delta in FY 16/17.

Mercury monitoring in the Delta started in June 2016 to inform the review of the Delta Methylmercury TMDL in 2020. An important element of this work is the colocation of fish and water sampling sites to better understand the uptake of mercury into the food web. The goal of this monitoring is to begin to characterize current conditions and ambient concentrations of total mercury and methylmercury in fish and water, particularly in subareas likely to be affected by new potential methylmercury sources (e.g., large-scale restoration projects).

The Delta RMP will host a Nutrient Monitoring Workshop planned for September 2016 to 1) Identify how much of the nutrient monitoring needed to answer the Delta RMP assessment questions is already happening through existing programs, 2) Identify critical nutrient data gaps for the Delta RMP and develop "no regrets" monitoring plans to fill them, and 3) Develop budget estimates for "no regrets" monitoring activities to facilitate multi-year budget planning for the Delta RMP multi-year plan. The final deliverable will be a summary that synthesizes the findings and recommendations from the workshop. The report will contain a list of options for "no regrets" monitoring activities and their approximate costs that the Delta RMP SC and TAC can consider as part of the multi-year planning meeting in October. The Delta RMP Nutrient Workshop will be closely coordinated with other nutrient monitoring work planned by the Delta Science Program (details TBD) and the Delta Nutrient Research Plan workshop (Planned for 29 and 30 November).

On 20 July 2016, the Delta RMP SC will meet to discuss the following topics:

- QAPP Revisions
- Communications Plan revisions

- Charter for the Delta RMP
- Delta RMP Financial Update
- Update on SEP and Prop 1 Funding
- Report on Central Valley Water Board *Hyaella azteca* info item (June Board meeting)
- Nutrients Workshop Planning (September 2016)
- Joint SC/TAC multi-year planning meeting on October 18th
- Delta Science Program External Review Panel

3. **Delta Nutrient Research Plan**

The 2014 Delta Strategic Work Plan called for the development of a Nutrient Research Plan to determine how nutrient loads and concentrations affect several water quality problems present in the Delta and whether nutrient water quality objectives might be required in the future. The research plan is being developed with input from a Stakeholder and Technical Advisory Group (STAG).

Staff and the STAG are currently engaged in the following:

- Planning for a Nutrient Forms and Ratios workshop on 29-30 November 2016. Researchers involved in laboratory and field studies will present their work before an external, expert panel in a public workshop setting. The panel will use information from the workshop and published references to write a white paper available in early 2017. The focus of the workshop and white paper are the effects of nutrients on the phytoplankton species and their abundances in the Delta. "Nutrient Forms" refers to the chemical forms of nitrogen available for use by phytoplankton, such as nitrate, ammonia, and dissolved organic nitrogen. "Nutrient Ratio" is shorthand for the ratio of aqueous concentration of nitrogen to phosphorus. The Delta Science Program and stakeholders are contributing funds for the white paper and workshop.
- Development of a process that can be used for prioritizing research needs and proposals. A work group is evaluating a proposed process for consideration by the STAG.

Documents and meeting materials are available on the Water Board's website:

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

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

Dissolved oxygen conditions in the Stockton Deep Water Ship Channel (dredged portion of the San Joaquin River) are monitored at the Department of Water Resources Rough and Ready Island water quality monitoring station. Water quality parameters such as dissolved oxygen, water temperature, pH, electrical conductivity, turbidity, and measurements of chl-a fluorescence are measured on a 15 minute time interval, and dissolved oxygen concentrations are measured at three different depths (1 meter, 3 meters, and 6 meters below the surface). Current dissolved oxygen concentrations are measuring near the water quality objective (5.0 mg/L) at the two shallower meters with just a few minor excursions below the water quality objective at the deeper (6-meter depth) sensor. Port of Stockton operators are tracking the progression of water quality conditions and are prepared to operate the aeration facility if needed.

Meeting Participation

On 20 May and 20 June, Janis Cooke and Christine Joab participated in meetings of the Prioritization Process Work Group. This subcommittee of the STAG is performing the preliminary work to develop and test a process that could be used by the STAG to prioritize research ideas and proposals. The group continued the discussion of using a modified version of the Delta Regional Ecosystem Restoration Implementation Plan (DRERIP) process as a potential approach for evaluating and scoring the research recommendations developed by the Science Work Groups.

On 27 June, Christine Joab, Janis Cooke, and Jeanne Chilcott participated in a meeting of the STAG. The STAG accepted as final the Macrophyte Knowledge Gaps document and discussed the need for coordination with groups also reviewing or planning nutrient monitoring in the Delta, particularly the

Delta Science Program and the Delta RMP. Janis provided an update on planning for the Nutrient Forms and Ratios workshop.

TMDL BASIN PLANNING

1. **Pesticide Basin Planning/TMDLs**

On 1 June, Adam Laputz, Danny McClure, and Tessa Fojut held a stakeholder meeting on the Central Valley Pyrethroid Pesticide TMDL and Basin Plan Amendment. The purpose of the meeting was to provide an update on the status and schedule for this project and to develop and discuss a draft regulatory approach developed following the February 2016 Board Workshop. Also discussed was the Board's ongoing contract with UC-Davis to develop five pesticide water quality criteria by April 2017 and stakeholder review and comments on the draft criteria documents.

2. **2014 Integrated Report**

The Clean Water Act Sections 303(d)/305(b) Integrated Report for the Central Valley will be considered as part of the 2014 Integrated Report, along with the Central Coast Water Board and San Diego Water Board. The 2014 Integrated Report will include surface water quality data assessments and Clean Water Act Section 303(d) listing recommendations (identification of impaired water bodies). The draft Central Valley Integrated Report is scheduled to be presented at a Central Valley Water Board workshop in October and at a hearing for consideration of adoption by the Central Valley Water Board in December 2016.

SALINITY AND CV SALTS

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

The CV-SALTS Executive Committee policy discussions continued to focus on providing input on finalizing components of the draft Salt and Nitrate Management Plan (SNMP). There was a two day meeting in June with the first day focused on discussions of the draft framework for the SNMP, Revised Management Zone Policy, Data Summary Example, and Revised Nitrate Permitting Strategy. The second day was focused organization and discussion of key policy issues to be included in the June Central Valley Water Board Workshop.

The 22 June workshop provided information on the technical foundation, implementation framework, recommended policies to support the framework, and a process to finalize the SNMP. The workshop provided the Board and public an opportunity to provide feedback to staff on the framework and process to finalize the SNMP.

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>

During the June meeting for the Lower San Joaquin River (LSJR) Committee, the committee discussed a draft document that provides additional guidance on the intended use for Appendix D to the *Task 4 Technical Memorandum - Implementation Planning for Proposed Salinity Objectives* report, submitted to the Board in support of a Basin Plan Amendment for salinity water quality objectives in the stretch of river between the Merced River and Vernalis. Appendix D addresses the NPDES-permitted discharges to this stretch of the river and provides recommendations to permit writers when they develop effluent limitations. The committee recommends that the analysis in Appendix D not be used to determine salinity impacts of discharges from the two NPDES discharges (cities of Modesto and Turlock) without a more complete analysis demonstrating that the agricultural beneficial use downstream is protected.

During the meeting in July, the LSJR Committee discussed and provided comments on excerpts from the draft Basin Plan Amendment Staff Report, including the Executive Summary and proposed Basin Plan Language. These documents were subsequently made available to the public on 18 July 2016 as meeting material for the public workshop to the Central Valley Water Board on 17 August 2016. The Basin Plan Amendment is scheduled to be brought for consideration by the Board in December 2016.

2. **CV-SALTS Meeting Participation**

On 30 June, Jim Brownell and Anne Littlejohn attended the CV-SALTS LSJR Committee meeting held via teleconference.

On 14 July, Jim Brownell and Anne Littlejohn attended the CV-SALTS LSJR Committee meeting held via teleconference.

On 10 June, Pam Buford and Glenn Meeks attended the CV-SALTS Executive Committee Administrative meeting which focused on administration and updates on technical projects progress.

On 15 and 16 June, Pamela Creedon, Karl Longley, Clay Rodgers, Jeanne Chilcott, and Glenn Meeks participated in the CV-SALTS Executive Committee Policy Meeting which was focused on review of several draft Policy issue documents.

On 8 July, Pam Buford attended the CV-SALTS Executive Committee Administrative meeting which focused on administration and updates on technical projects progress.

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

A staff meeting with representatives of the USBR was held on 27 June. USBR compiled comments on their Fiscal Year 2017 Annual Work Plan that was sent out in May 2016 for public review. Comments were received from Central Valley Water Board staff, the Real Time Salinity Management Program

(RTMP) management group, and Stockton East Water District. USBR will incorporate edits and comments and submit a final Annual Work Plan to the Board by the end of July 2016. USBR continues to support development of the RTMP online forecasting tool, focusing on the importance of capturing accurate flow data in the river, especially between Patterson and Vernalis where there are discrepancies in the predicted versus real-time data.

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

The Basin Plan Amendment effort to develop a region-wide MUN evaluation process in Ag dominated surface water bodies continues to progress with the development of a draft Staff Report. Staff posted excerpts of the Executive Summary and proposed Basin Plan Language for public review on 18 July 2016 as meeting material for the public workshop to the Central Valley Water Board on 17 August 2016. The Basin Plan Amendment is scheduled to be brought for consideration by the Board in December 2016.

More information on the project can be found at:

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

DAIRIES/CONFINED ANIMAL FACILITIES

1. **Inspections**

Staff has completed approximately 439 dairy inspections for FY 2015/16, including 306 compliance inspections. Although the Region has met the State Water Board Performance target for inspections, the 306 compliance inspections are slightly below the pace of inspecting CDQAP-certified dairies once every five years, and non-certified dairies once every three years. Reasons include vacancies due to attrition and staff re-assignment to focus on drafting general orders for bovine feedlots and poultry facilities. Staff anticipates that the rate of inspections will continue to be slightly below pace during FY 2016/2017 in order to pursue more formal enforcement of the Dairy General Order, particularly nutrient management planning requirements. Staff plans to eliminate the inspection backlog in coming years, as well as focus current 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, so that the dairies that are not inspected immediately are ones that pose the lowest risk.

2. **Permitting**

Administrative drafts of bovine feedlot and poultry general orders have been released to key stakeholders in industry and environmental groups. Industry representatives have requested additional time to review and comment on both orders and to work with staff on clarifying some of the requirements as well as develop a cost analysis of the orders. Release of a tentative order is planned for October, with the goal of presenting both general orders to the Board for consideration at the December 2016 Board meeting.

OIL FIELDS

1. Wastewater to Land

Revised monitoring and reporting programs (MRPs) are being issued to oil field wastewater facilities that are regulated under individual WDRs. The MRPs are being issued in lieu of cleanup and abatement orders and require monitoring of groundwater, effluent, solid wastes, and the facility itself. The MRPs also require hydrogeologic investigations that will gather data needed by the dischargers to prepare Notices of Intent for the General Orders. Approximately 60 MRPs will be issued.

2. Spill Response

Central Valley Water Board staff responds to oil field spills and upsets reported to the Office of Emergency Services. The following events occurred in June and July.

- A spill of crude oil and wastewater, into an unnamed blue-line stream bed occurred on the Section 26C facility operated by Chevron USA, Inc., in the Midway-Sunset Oil Field on 2 June 2016. The cause of the spill was reported as the failure of a pipeline. The spill affected approximately 500-feet of the stream bed, and it was reported that approximately 2.9-barrels of oil were discharged with an unknown amount of wastewater. The affected soil was removed and the cleanup was completed on 23 June 2016.
- A spill of crude oil and wastewater, into an unnamed blue-line stream bed occurred on the Section 26C facility operated by Chevron USA, Inc., in the Midway-Sunset Oil Field on 30 June 2016. The cause of the spill was reported as the failure of a pipeline. The spill affected approximately 500-feet of the same section of the blue-line stream bed affected by the 2 June 2016 spill, and it was reported that approximately 0.74-barrel of oil was discharged with an unknown amount of wastewater. The affected soil was removed and the cleanup was completed on 8 July 2016.
- A spill of crude oil and wastewater, into an unnamed blue-line stream bed occurred on the Section 19R facility operated by California Resources Corporation, in the Elk Hills Oil Reserve on 30 June 2016. The cause of the spill was reported as the failure of a corroded pipeline. The spill affected approximately 750-feet of the stream bed, and it was reported that approximately 2-barrels (bbl(s)) of oil and 8-bbls of wastewater were discharged. The majority of oil and affected soil were removed as of 8 July 2016. Staffs of the California Department of Fish and Wildlife (CDFW Staff) are scheduled to inspect the spill site and potentially sign-off on the clean-up on 27 July 2016.
- A spill of oil field produced wastewater, into the Buena Vista creek, which is a major blue-line stream bed, occurred on the WD-87 facility operated by California Resources Corporation, in the Buena Vista Oil Field on 10 July 2016. The cause of the spill was reported as unknown. The spill affected approximately 1-mile of the creek bed, and it was reported that approximately 300-barrels of wastewater were discharged. It was reported that the majority of the affected areas of the creek bed have been cleaned-up as of 20 July 2016. CDFW Staff are scheduled to inspect the spill site and potentially sign-off on the clean-up on 2 August 2016.
- A spill of crude oil and wastewater, into an unnamed blue-line stream bed occurred on the Section 26C facility operated by Chevron USA, Inc., in the Midway-Sunset Oil Field on 16 July 2016. The cause of the spill was reported as the failure of a pipeline. The spill affected approximately 400-feet of the same section of the blue-line stream bed affected by the two spills that occurred on 2 and 30 June 2016, and it was reported that approximately 0.22-barrel of oil was discharged with an unknown amount of wastewater. The affected soil was removed and the clean-up was completed as of 19 July 2016. CDFW Staff are scheduled to inspect the spill site and potentially sign-off on the clean-up on 27 July 2016.

Staff is considering appropriate enforcement for the spills.

3. UIC/SB-4 Program

Staff is currently reviewing 15 written responses (technical reports) to Central Valley Water Board letters 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 letters required Operators to provide technical justification that their injection well(s) is injecting into an exempted aquifer/zone and should not receive a 13267 Order to provide these reports.

Staff continues to work with staff of State Board to address concerns regarding Underground Injection Control (UIC), Project Approval Letters (PALs) for proposed injection projects that were submitted to the Division by oil field operators. This work includes requesting conditions be placed on the tentative PALs that will be issued by the Division in order to ensure that the project is protective of groundwater quality and beneficial uses (e.g., pressure monitoring, hydrostatic level monitoring).

Five concurrent aquifer exemption reviews are being conducted by staff of both the State Water Board and the Regional Water Board (Mt. Poso, Elk Hills, McKittrick, Cymric, and Kern River). Questions regarding two of the aquifer exemptions (Mt. Poso and Elk Hills) were prepared by both staffs for submitted to the Division for response/clarification. Meetings are currently being scheduled 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.

4. **Food Safety**

The Oil Field Program Food Safety Expert Panel toured Chevron's Kern Front oil field and produced wastewater treatment system and the Cawelo Water District's facilities on 13 June 2016. In its ongoing inquiry into whether allegations concerning potential threats to food safety from oil field produced water used for irrigation have merit, the Panel is reviewing existing data and related information to help identify useful information and resolve any data gaps. Board staff is continuing to aid the Panel in this endeavor.

GROUND WATER STRATEGY

Groundwater Quality Protection Strategy for the Central Valley Region, a Roadmap – Addendum and Ongoing Work (Update)

A draft Addendum to the Groundwater Quality Protection Strategy (GWQ Strategy) was presented to the Central Valley Water Board at the 19 February 2016 meeting has been finalized and 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. Staff is finalizing work with Program Managers on the development of a workplan for ongoing and new actions included in the Addendum. Following management review and approval the FY 16/17 Workplan will be posted to the Board's website.

The Groundwater Quality Protection Strategy, Addendum, and workplans can be found on the Groundwater Quality section of the Central Valley Water Board's website at:
http://www.waterboards.ca.gov/centralvalley/water_issues/groundwater_quality/index.shtml#gwstrategy

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

Action 6.4.1 Develop a Salt and Nitrate Management Plan for the Central Valley. The initiative is a collaborative stakeholder effort that includes the Central Valley Water Board as a stakeholder. CV-SALTS Executive Committee adopted an updated Strategy, Framework, and Workplan in February 2012. CV-SALTS continue to work toward development of a Salt and Nitrate Management Plan. More details on CV-SALTS activities can be found in the Salinity and CV-SALTS section of this EO report. Information is also available at: <http://cvssalinity.org/>

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

GMAW meeting information can be found at:
http://www.waterboards.ca.gov/centralvalley/water_issues/groundwater_quality/index.shtml

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

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

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

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

Action 6.4.5 Well Design and Destruction (Abandonment) Program. Staff has reviewed and evaluated county well ordinances. Personnel at county agencies (health departments) have been contacted to determine the specific methods currently used to oversee and enforce well standards. Staff has completed a draft report, currently under management review, that summarizes those tools and methods of well standards enforcement and addresses potential issues with some of the current well standards. Anticipate report to be finalized and posted to the website August 2016.

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

An information item on the conceptual framework for a General Order for Confined Bovine Feeding Operations was presented to the Regional Board at its February 2016 meeting. An Administrative Draft of the General Order has been prepared and released to key stakeholders in industry and environmental groups. Release of a Tentative Order is planned for October, with the goal of presenting the General Order to the Board for consideration at the December 2016 Board meeting.

An information item on the conceptual framework for a General Order for Poultry Operations was presented to the Regional Board at its April 2016 meeting. An Administrative Draft of the General Order has been prepared and was released to key stakeholders in industry and environmental groups on 1 June 2016. Release of a Tentative Order is planned for October, with the goal of presenting the General Order to the Board for consideration at the December 2016 Board meeting.

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

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

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

Action 6.5.3 Reduce 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 2015-16 fiscal year, 359 open, inactive sites were reviewed. Of these, 192 were eliminated from the backlog. This includes sites that were closed, or were under another agency's lead, or assigned to staff, or found to be duplicates of another site entry, or were found to be informational only. Of the cases reviewed, 167 need additional staff time and effort on the responsible parties part to resolve, and includes 37 sites in which site information has not yet been located.

Since the backlog reduction project began, 642 sites have been reviewed, with 411 being eliminated from the backlog, and approximately 231 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. Regional Water Board staff is notifying the individuals enrolled in the previous, 2014 general order of the updated order and will enroll them in the new order. The new general order is a useful tool to encourage water recycling.

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

Regional Water Board staff have reviewed industrial dischargers by their Standard Industrial Codes and identified two groups that may be appropriate for additional general orders. Staff will be developing white papers for the two types of industries to begin working with the industry representatives for consideration of draft general orders. More information will follow on this.

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

This fiscal year, beginning 1 July, staff has started tracking time to monitor effectiveness of its Lean 6 Sigma project implementation measures.

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

The OWTS Policy gives Local Agencies, mostly county environmental health departments, an option to propose Local Agency Management Programs (LAMPs). These generally attempt to demonstrate adequacy of existing 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 has received 29 of 30 LAMPs from Local Agencies by the deadline. Our Redding, Rancho Cordova, and Fresno Offices are coordinating reviews in detail to meet a 13 May 2017 deadline for Central Valley Water Board approvals. 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)

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 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 proposes changes to the current order, including field level reporting to the Water Board, domestic well monitoring, and development of A/R targets in 3 years. Central Valley Water Board Members along with the Executive Officer and staff briefed State Board Members and presented information during the State Board Workshops (May 4th in Sacramento and May 17th in Fresno) and provided written comments on the proposed order. 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 Stakeholder Meeting

On 13 July April 2016, the ILRP held a stakeholder meeting at the Merced County Farm Bureau. The meeting was held to provide an open forum for communication between Water Board staff, agricultural coalitions, environmental justice groups, and other interested parties in Central Valley Region. Updates were provided by representatives of the Water Board, California Department of Food and Agricultural, agricultural coalitions, and environmental justice groups. The East San Joaquin Water Quality Coalition provided a focused presentation of their draft Groundwater Quality Management Plan. More information on the quarterly stakeholder meetings can be found on the ILRP website: http://www.waterboards.ca.gov/centralvalley/water_issues/irrigated_land/regulatory_information/stakeholder_advisory_workgroup/index.shtml

Management Practices Evaluation Program

On 4 June, staff received the Management Practices Evaluation Program (MPEP) Group Work Plan and Quality Assurance Project Plan from the East San Joaquin, Sacramento Valley, San Joaquin County and Delta, Westlands, and Westside San Joaquin River Coalitions. The goal of the MPEP is to determine the effects, if any, irrigated agricultural practices have on first encountered groundwater under different conditions that could affect the discharge of waste from irrigated lands to groundwater. The Work Plan includes the MPEP administrative structure, the general MPEP study design and modeling components and the timeline for the MPEP studies, reporting, and outreach. On 1 July, staff met with the Coalitions to request that additional details be included in the MPEP. The Coalitions are developing an updated MPEP, which will be posted for public review and comment.

ILRP Compliance, Outreach & Enforcement

Agricultural Parcel Inspections

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

Coalition Area	Parcel Inspections May 24 – July 14
Kings River	100
Kaweah Basin	40
Tule Basin	30
Kern River	36
East San Joaquin	90
Sacramento Valley	133
Total	429

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 May 24 – July 14
East San Joaquin	6
Kings River	175
Kaweah Basin	33
Tule Basin	26
Kern River	19
Total	259

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

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

Coalition Area	NOVs Mailed May 24 – July 14
Kings River	60
Kaweah Basin	17
Tule Basin	15
Kern River	8
Sacramento Valley	46
Total	138

Administrative Civil Liability Complaints

On 25 January 2016, the Assistant Executive Officer issued an Administrative Civil Liability Complaint to Jim & Vera Kurnosoff of Fresno County for violating California Water Code section 13260 by failing to obtain regulatory coverage for their irrigated agricultural lands. The full complaint, which proposes a fine of \$27,885, is available for review on the Central Valley Water Board's "Tentative Orders" webpage.

On 3 July 2015, Board staff sent a letter to Triangle Properties, Inc. and Teichert Land Co. informing them of a forthcoming assessment of administrative civil liability (ACL). The letter proposed a settlement meeting with the Discharger (including the tenant, Schreiner Brothers Farms Partnership) in lieu of Board staff issuing an ACL Complaint. Board staff pursued an ACL in this case because of the discharge of sediments from agricultural parcels owned by the Discharger to the Sacramento River. Board staff and the Discharger met and eventually reached a tentative settlement, which includes an assessed penalty of \$100,000, half of which will fund a Rose Foundation supplemental environmental project. The settlement has been posted online for a 30 day public comment period.

Settlement of Administrative Civil Liability Complaints

On 25 January 2016, the Assistant Executive Officer issued an Administrative Civil Liability Complaint to Gurchuran & Balwinder Rakkhar of Madera County for violating California Water Code section 13260 by failing to obtain regulatory coverage for their irrigated agricultural lands. The Complaint proposed a fine of \$70,980. In response to the Complaint, the Discharger requested a settlement meeting with Board staff. This meeting resulted in an assessed penalty of \$63,700, half of which will fund a Rose Foundation supplemental environmental project. The Executive Officer approved the settlement on 20 June 2016.

On 30 September 2015, Board staff sent a letter to Galen E and Ada C Wise of Stanislaus County informing them of a forthcoming assessment of administrative civil liability (ACL). The letter proposed a settlement meeting with the Discharger in lieu of Board staff issuing an ACL Complaint for violating California Water Code section 13260 by failing to obtain regulatory coverage for their irrigated agricultural lands. The meeting resulted in an assessed penalty of \$32,175. The Executive Officer approved the settlement on 19 July 2016.

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	Sacramento Valley	San Joaquin Co. & Delta	Western San Joaquin R.	
Participating Growers						
Number of Growers, Pre-Order	2,500	2,225	7,888	3,256	2,450	
Number of Growers, estimated as of May 2016	2,500	3,629	8,694	3,615	2,508	
Number** of Growers enrolling land due to Directive/eNOI (Jun – Jul 2016**)	--	5	3	4	--	
Projected number of Growers in July	2,500	3,634	8,697	3,619	2,508	
Enrolled Acreage						
Number of Acres, Pre-Order	544,468	535,653	1,183,491	348,200	467,625	
Number of Acres, estimated as of May 2016	421,000	699,683	1,351,929	390,321	435,922	
Number*** of Acres added due to Directive/eNOI (Jun – Jul 2016**)	--	466	703	34	--	
Projected Acres Enrolled as of July	421,000	700,149	1,352,632	390,355	435,922	

* Participation is mandatory for rice growers within the California Rice Commission (CRC) and they do not submit a yearly participant list. The CRC reports 2,500 growers in their annual report. Updates to the harvested rice acres will be submitted yearly for annual fees.

** Changes in participating growers and acreage reflect Notices of Intent that have been submitted since the last Executive Officer's Report. They are based on staff calculations and have not been confirmed by the coalition groups. Formal statistics on grower participation is required to be provided by the coalitions each 31 July and requested from the Coalitions in January for annual fees.

*** Growers and acres calculated by staff on 14 July 2016

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	
Participating Growers									
Number of Growers, Pre-Order	3,794 (Southern San Joaquin Water Quality Coalition)								1,070
Number of Growers, estimated as of May 2016	61	87	1,328	832	4,770	1,127	43	1,276	
Change* (Additional Growers Enrolled)	0	0	3	3	29	1	0	0	

Projected number of Growers in July 2016	61	87	1,331	835	4,799	1,128	43	1,276
Enrolled Acreage								
Number of Acres, Pre-Order	957,362 (Southern San Joaquin Water Quality Coalition)							507,489
Number of Acres, estimated as of May 2016	30,788	34,524	163,485	527,722	764,315	225,625	99,761	491,843
Change* (Additional Acres Enrolled)	0	0	57	1,023	2,310	40	0	0
Projected Acres Enrolled in July 2016	30,788	34,524	163,542	528,745	766,625	255,665	99,761	491,843

* Changes in participating growers and enrolled acreage reflect Notices of Applicability that have been issued since the last Executive Officer's Report. They are based on staff calculations and have not been confirmed by the coalition groups. Formal statistics on grower participation is required to be provided by the coalitions in July and requested from the Coalitions in January for annual fees.

Sacramento River Watershed Coalition Groups

California Rice Commission

On 20 June, the Executive Officer approved the California Rice Commission's Groundwater Trend Monitoring Workplan and Data Gap Assessment Plan. As required by the Order, the Workplan details the groundwater trend monitoring that will take place to determine current water quality conditions of groundwater relevant to rice operations and develop long-term groundwater quality information that can be used to evaluate the regional effects of rice practices. The Workplan included a quality assurance project plan (QAPP) for groundwater to supplement the surface water plan. The groundwater QAPP appendix to the Workplan will be reviewed separately with the updated surface water QAPP.

On 24 December 2015, the California Rice Commission submitted the 2015 Annual Monitoring Report for Waste Discharge Requirements for Sacramento Valley Rice Growers. As required by the Order, the Annual Report details the monitoring conducted from 1 November 2015 through 31 October 2015. An addendum to the 2015 Annual Monitoring Report was submitted on 12 April 2016 that includes the updated Rice Pesticide Evaluation required every 5 years under Order R5-2014-0032. The draft Annual Report and Rice Pesticide Evaluation is under staff review.

Sacramento Valley Water Quality Coalition

On 31 May, the Sacramento Valley Water Quality Coalition (SVWQC) submitted an Addendum to the Sediment Discharge and Erosion Assessment Report - Workplan to Address Proximity to Surface Waters. The Workplan is currently under staff review.

On 28 June, the Executive Officer issued conditional approval for the Putah Creek (Napa) Subwatershed to participate in the Reduced Monitoring/Management Practices Verification Option (MRP Order R5-2014-0030-1). A proposal submitted by the Coalition/Subwatershed demonstrates that conditions specified in the MRP Order are met. Final approval is pending completion of sediment toxicity monitoring during 2016/17 and submittal of the results to staff.

San Joaquin River Watershed Coalition Groups

East San Joaquin Water Quality Coalition

On 24 May, staff attended the East San Joaquin Water Quality Coalition grower meeting. The Coalition presented the 2015 monitoring results, gave an update on the petition of the East San Joaquin Order, discussed the requirements for implementing a sediment and erosion control plan, and informed members about the importance of returning the Nitrogen Management Plan Summary Report. Invited agricultural experts also presented information regarding the basics of nitrogen fertilizer management, irrigation scheduling and uniformity distribution.

On 31 May, staff received the East San Joaquin Water Quality Coalition's Nitrogen Management Plan Summary Report Analysis for the 2015 Crop Year. The Summary Report provides a statistical summary of the Nitrogen Management Plan Summary Report results submitted to the Coalition by growers for the 2015 growing season. On 9 June, the Executive Officer and staff met with the Coalition to discuss the report and the significant number of growers who failed to submit their Nitrogen Management Plan Summary Reports. The Coalition is collecting additional Nitrogen Management Plan Summary Report data from their growers and updating their analysis. The updated analysis will be posted for public review and comment. Water Board staff will be actively pursuing compliance and enforcement actions to ensure compliance with this requirement.

On 1 June, staff received the Coalition's Quarterly Monitoring Data Report for the period October-December 2015.

On 10 June, staff held the 27th Quarterly Meeting with the Coalition representatives to discuss progress of implementing the Coalition's Management Plans, Performance Goals, Compliance Time Schedule, Nitrogen Management Plan Summary Report, Groundwater Quality Management Plan, Management Practice Evaluation Program, and status of other activities in progress. The Coalition provided an update on the management plan monitoring results and outreach in the subwatersheds.

On 24 June, staff received the East San Joaquin Water Quality Coalition's Proximity to Secondary Tributaries Analysis Report. The report also includes an update to the Proximity Analysis to Major Waterbodies originally submitted on 24 March. The Proximity Analysis is submitted in response to the conditional approval of the Coalition's Sediment Discharge and Erosion Assessment Report (SDEAR) Work Plan to address the risk of sediment discharges from parcels adjacent to waterbodies. The report is currently under staff review.

San Joaquin County and Delta Water Quality Coalition

On 20 May, the Coalition submitted the Pb-DDT/ DDE/HCH Special Study, as proposed in its approved Surface Water Quality Management Plan. Special studies are intended to fill potential information gaps through targeted technical reports, with the goal of reducing the costs of individual monitoring programs. The special study is under staff review.

On 21 June, staff received a request for approval of the second set of core monitoring sites for the 2017 water year. The Executive Officer approved the request on 11 July.

Westside San Joaquin River Watershed Coalition

On 23 June, staff held a Meeting with the Coalition representatives to discuss the on-farm inspections. Modification of farm evaluation data on rotational cropping system and its continuity from the previous year was also discussed.

On 18 July, staff held a meeting with Coalition representatives to discuss staff's comments regarding requested revisions in the Comprehensive Surface Water Quality Management Plan submittal. Staff provided guidance on WDR Order requirements that must be addressed in the revised plan.

Grassland Drainage Area Coalition

On 12 November, the Irrigated Lands Regulatory Program Manager approved the Coalition's proposed outline for the Groundwater Quality Assessment Report. The draft outline details the information and format for the Report required for submittal by 31 July 2016.

Tulare Lake Basin Coalition Groups

Kaweah Basin Water Quality Association

On 28 June 2016, Central Valley Water Board staff issued a review of the Kaweah Basin Water Quality Association's Comprehensive Groundwater Quality Management Plan (GQMP). Groundwater Quality Management Plans are the key mechanism under Waste Discharge Requirements General Order R5-2013-0120 to help ensure that waste discharges from irrigated lands do not cause or contribute to an

exceedance of applicable water quality objectives in the underlying groundwater, unreasonably affect applicable beneficial uses, or cause or contribute to a condition of pollution or nuisance. Staff found that the GQMP needed to be revised to include more detailed information regarding the management practices to be implemented prior to the availability of Management Practice Evaluation Program (MPEP) results. The Kaweah Basin Water Quality Association is required to submit an updated GQMP by 1 August 2016.

Kern River Watershed Coalition Authority

On 30 June 2016, Central Valley Water Board staff issued a review of the Kern River Watershed Coalition Authority's (Coalition) Groundwater Quality Assessment Report (GAR). The purpose of the GAR is to identify areas within the Coalition where groundwater is vulnerable to impacts from irrigated agriculture, and to provide the foundational information necessary for design of the Management Practice Evaluation Program, the Groundwater Quality Trend Monitoring Program, and the Groundwater Quality Management Plan(s). The GAR was conditionally approved provided that the Coalition use the high vulnerability areas that were assigned by the Executive Officer, and incorporate any additional high vulnerability areas identified by the Coalition.

Westlands Water Quality Coalition

On 6 July 2016, staff met with a Westlands Water Quality Coalition Representative to discuss necessary revisions to the Coalition's Quality Assurance Project Plan (QAPP). A complete QAPP will include watershed and site-specific information, project organization and responsibilities, and the quality assurance components provided in the QAPP Guidelines. Discussions also included the need for the Coalition to submit a Groundwater Quality Management Plan for High Vulnerability Areas identified in the conditionally approved Groundwater Quality Assessment Report.

Other Projects

Data Management

In May 2015, the Central Valley Regional Data Center's (CVRDC) contract expired, and CVRDC's assistance with loading ILRP data into the California Environmental Data Exchange Network (CEDEN) has ceased until a new contract is executed. State Board has not been able to garner more than one bid to renew the contract. This has delayed uploads of ILRP data into CEDEN and will make it more difficult for interested parties to obtain some of the ILRP data.

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

On 31 May, staff received the Sacramento Valley Water Quality Coalition's first quarterly sampling data to be reviewed by staff before loading the data into CEDEN. Staff completed loading on 13 June. Monitoring data covers the period October through December 2015.

On April 30, Grassland Bypass Project provided their semi-annual monitoring data deliverable. After the data management team validates the data, it will be loaded into the CV RDC database replica. It is under staff review.

Grassland Bypass Project

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

On 9 June, the Executive Officer responded to a request from the Coalition for an extension of the submittal deadline for the Pesticide Monitoring Plan required by Order R5-2015-0094. The deadline for the plan in the Order was 30 April 2016. However, the Plan is dependent on the list of pesticides and evaluation protocol that is still in development by the Board. The Coalition will submit their Plan within 60 days of the issuance of the list and protocol by the Executive Officer.

Rice Pesticides Program

Monitoring of thiobencarb under the Rice Pesticides Program for the 2016 growing season was concluded on 28 June. The California Rice Commission has reported exceedances of the thiobencarb performance goal in Colusa Basin Drain and is conducting additional activities, including an on-going investigation of the potential causes, and actions to prevent future exceedances. The California Rice Commission has briefed Water Board staff on their follow-up actions. Water Board staff is evaluating potential next steps for the rice pesticides program. The thiobencarb monitoring results and subsequent actions will be presented in the annual monitoring report, which is due to the Board by 31 December.

Draft Pesticide Evaluation Protocol

On 27 June, the Assistant Executive Officer released the *Draft Pesticide Evaluation Protocol* for a 30-day public comment period. The Draft Protocol was developed to evaluate pesticides for surface water monitoring under the ILRP. Under the Monitoring and Reporting Program (MRP) Orders, pesticides to be monitored are to be identified using an evaluation process and initial list of pesticides issued by the Executive Officer. Each third-party will be required to apply the protocol within watershed areas of their coalition and propose pesticides to be monitored in their annual Monitoring Plan Update. The draft protocol can be found at the following link:

Draft Pesticide Evaluation Protocol:

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

NON POINT SOURCE (NPS)

Clear Lake Nutrient TMDL Implementation

Central Valley Water Board staff is developing a status update for total maximum daily load (TMDL) compliance actions required by the *Amendment to the Water Quality Control Plan for the Sacramento River and San Joaquin River Basins for the Control of Nutrients in Clear Lake* adopted in 2006. This status update will be presented to the Central Valley Water Board in the summer of 2017.

California Water Code Section 13267 Orders were issued on 19 May 2016 to the five parties responsible for implementing the TMDL load and waste load allocations. The parties include the U.S. Forest Service, U.S. Bureau of Land Management, Lake County Department of Water Resources, Caltrans, and Northern California Water Association. The Orders require the parties to submit technical information by July 20 2016 that describes all best management practices (BMPs) and other management measures the parties have implemented since 23 June 2006, and plan to implement, to reduce phosphorus loads to Clear Lake. No new monitoring data collection is required. The information required by the Orders is needed to update the Central Valley Water Board on the progress in implementing the TMDL.

Cyanobacteria Bloom Notification and Response

Blooms of cyanobacteria and other harmful algae (CHABs) have recently become more frequent in Central Valley waters. The newly designated Central Valley Water Board Cyanobacteria Coordinator, Christine Joab, coordinates notification of water body managers, local public and environmental protection agencies, and drinking water purveyors when Central Valley Water Board staff is contacted about potential and confirmed CHABs. In addition, the Cyanobacteria Coordinator has coordinated with the Surface Water Ambient Monitoring Program, Drinking Water Program, and other programs at the State and Central Valley Water Boards to initiate monitoring and press releases where local agencies do not have adequate resources. The Cyanobacteria Coordinator has coordinated notifications for eleven bloom events during the current bloom season (March-July), as summarized in the following table.

Summary of Suspected and Confirmed Cyanobacteria Bloom Reports				
Month	Report Name	Water Body Type	Report Status	Actual Case of Cyanobacteria (<i>Genera</i>)
March	1. Galt Report 2. American River Report	1. Creek & private pond 2. River	1. Closed 2. Closed	Galt = no American River = no
April	3. Chico Report	Small lake	3. Closed	Chico = yes (<i>Anabaena</i>)
May	4. San Joaquin Cattle Ponds	Cattle stock ponds	4. Closed	San Joaquin = yes
June	5. San Joaquin River 6. Woodward Reservoir	5. River 6. Reservoir	5. Open 6. Open	San Joaquin = yes (<i>Microcystis</i>) Woodward = yes (<i>Dolichospermum</i> , <i>Phormidium</i> , <i>Oscillatoria limosa</i> , <i>Pseudanabaena</i> , <i>Aphanizomenon</i>)
As of July 18	<i>San Joaquin River (cont.)</i> <i>Woodward Res. (cont.)</i> 7. Thompson Lake 8. Eastman Lake 9. Shasta Lake – Upper Pit River Arm 10. Lake Britton 11. Discovery Bay	<i>River</i> <i>Reservoir</i> 7. Lake 8. Lake 9. Reservoir 10. Reservoir 11. Man-made water feature in Delta	<i>Open</i> <i>Open</i> 7. Open 8. Open 9. Open 10. Open 11. Open	<i>San Joaquin = yes (Microcystis)</i> <i>Woodward = yes (see above)</i> Thompson = To be determined Eastman = To be determined Pit Arm Shasta = yes (<i>Anabaena</i>) Britton = yes (<i>Anabaena</i> , <i>Aphanizomenon</i> , <i>Gloeotrichia</i>) Discovery Bay = To be determined

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

Planning Grant applications were approved by the Deputy Director of the Division of Financial Assistance in June. Available funding for Planning grants statewide is \$20,000,000, with \$19 million for grant projects and \$1 million for Technical Assistance to Disadvantaged Communities. Eight planning grants were awarded within Region 5 for a total of \$1.9 million to fund development of Storm water Resource Plans or project specific planning.

The State Water Board is current solicitation for Storm Water Implementation Grant applications closed on 8 July 2016. 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. It is anticipated that Region 5 staff will provide assistance grant proposal review assistance to the State Water Board through mid-September 2016.

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

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

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)

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

Eightmile Valley Sediment Reduction and Habitat Enhancement Project (\$749,992) – The Bureau of Land Management will reduce the volume of sediment delivered to Clear Lake by realigning a severely eroded stream channel, establishing a prescriptive treatment for erosion control, installing grade control

structures and engineering bank revetment using hardscape, bioengineering and revegetation. (end date 6/30/2018)

Timber Regulation and Forest Restoration Fund:

For the 2016 NPS Grant Program, California Budget Act appropriated the Timber Regulation and Forest Restoration Fund (Timber Fund) to fund existing restoration grant programs. The Timber Fund will fund projects that implement forest management measures on forest lands to improve water quality. Two million dollars was awarded for FY 2016-2017 and \$2 million was awarded for FY 2017/2018.

Grants to be awarded by 30 June 2016:

- Ponderosa Way Road Assessment and Sediment Reduction Plan (Phase 1) (\$300,000)
- Battle Creek Watershed Based Plan (\$492,000)

Grants to be executed by 30 June 2017:

- Battle Creek Watershed Plan (Battle Creek Watershed Conservancy, Tehama and Shasta Counties)
- Ponderosa Way Road Assessment and Sediment Reduction Plan Phase I and 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 22 April, Debra Hallis and Cori Hansen participated in the Earth Day Celebration at Shasta College in Redding. The Earth Day Celebration was an open house of local agencies and companies dedicated to environmental stewardship. The Central Valley Water Board operated a booth with information on Board programs and role as an environmental regulator. Staff also distributed informational booklets on careers and discussed employment options with high school and college students. About 400 K-5th graders passed through the booth and enjoyed seeing macroinvertebrates that typically live in healthy watercourses.

On 16 May Alex MacDonald presented an update on the investigation and remediation efforts by Aerojet and the Boeing Company, and a discussion on reports recently produced by Aerojet and that are being reviewed by the Agencies, at the bimonthly meeting of the Aerojet Community Advisory Group. The update highlighted Aerojet's remediation efforts, an evaluation of the groundwater monitoring program, status on the American River Study Area, and a discussion on the status of the review of the OU-7 RI Report.

On 18 May, Lynn Coster, Susan Fregien, and Sue McConnell met with representatives Ken Tate and Dan Macon from the University of California Cooperative Extension (UCCE) to discuss the development of Nitrogen Management Plans and Sediment and Erosion Control Plans for rangelands and irrigated pasture. UCCE is considering the development of an application to assist growers in the preparation of plans.

On 25 May Lynn Coster attended a Nitrogen Management Plan self-certification course in Chico sponsored by the California Department of Food and Agriculture's Fertilizer Research and Education Program (FREP). Certification was achieved and is valid through 2018.

On 26 May, Shane Edmunds attended a one day exercise for the Large-Scale Vegetation Management Subgroup of the Mendocino Firescape Working Group in Upper Lake, California. The exercise included individuals from the US Forest Service Regional Office in Vacaville, Mendocino National Forest (MNF), Sierra Pacific Industries and interested members of the public. The exercise focused on addressing Late Seral Reserve Habitat (LSR) types in the MNF and developing treatments to enhance and protect LSRs.

On 2 June, Janis Cooke and Patrick Morris attended the second of two workshop sessions on synthesizing recent mercury research and tracking progress since 2003. This was the year of release by the California Bay-Delta Authority of the "Mercury Strategy for the Bay-Delta Ecosystem". US Geological Survey staff led the discussions and anticipates releasing a set of peer-reviewed scientific publications later this year.

On 3 June, Christine Joab and Janis Cooke attended by phone the San Francisco Bay's Nutrient Management Strategy Technical Work Group meeting. The group considered study and monitoring recommendations for the Bay Nutrient Strategy's 2017 Work Plan.

On 7 June, Janis Cooke joined Stephanie Tadlock (401 Certification Unit) in a site visit to a proposed tidal wetland restoration site on Decker Island in the western Delta. The restoration is part of the EcoRestore effort.

On 8 June, Christine Joab attended a meeting of the Cosumnes American Bear and Yuba River (CABY) Regional Water Management Group's (RWMG) Planning Committee. The purpose of the meeting was to discuss the future of the CABY RWMG non-profit organization, the development of the new CABY Integrated Regional Water Management (IRWM) website, and the schedule for updating the IRWM plan and project applications for future grant funded opportunities.

On 10 June, Janis Cooke participated with Adam Laputz in the San Francisco Bay Nutrient Management Strategy's Steering Committee meeting. Topics included an update regarding the San Francisco Bay

nutrient science program, approval of the Bay Nutrient Strategy budget for fiscal year 2017, and discussion of a draft outreach and fundraising plan.

On 15 June, Bethany Soto participated in the Kaweah River Basin Integrated Regional Water Management (IRWM) Plan Stakeholder Advisory Group meeting. The meeting focused on the implementation status of several of the groups IRWM Grant funded projects. Also reviewed was a funding proposal for Prop 1 Draft 2016 Request for Proposal Disadvantaged Community (DAC) Involvement Grant.

On 21 June, Bethany Soto participated in a Proposition 1 Groundwater Grant Program Application Public Workshop held at the Central Valley Water Board – Fresno Office. State Water Board staff provided an overview of the grant funding process and the adopted Guidelines. Staff participation supports continued outreach to IRWM groups.

From 21 through 23 June, Lynn Coster attended the SWAMP Concepts of Bioassessment and Field Procedures class in Redding and Shingletown. The class covered protocol from collecting freshwater invertebrate and algae samples to measuring the physical habitat of wadeable streams.

On 22 and 23 June, Terry Bechtel attended continuing education seminars hosted by the California Association of Pesticide Control Advisors (CAPCA). Terry provided a presentation on the ILRP requirements for growers, and the ILRP's consultant certification requirements for crop advisors and pesticide control advisors. The 22 June and 23 June seminars were held in Modesto and Sacramento, respectively. There were 81 attendees at the Modesto seminar and 80 at the Sacramento seminar. Terry maintains a continued relationship representing the ILRP with CAPCA, and is often invited to speak at CAPCA events.

On 24 June, Bethany Soto participated in the Poso Creek IRWM Plan Implementation meeting. The meeting focused on reviewing the group's amended memorandum of understanding to include the membership of Southern San Joaquin Municipal Utility District. In addition the group discussed items such as DAC involvement, and development of projects identified in their plan, such as the Kern Storm Water Management Plan.

From 27 through 28 June, Lynn Coster attended the Rustici Rangeland Tour in Alturas. The tour provided an opportunity to enhance collaboration and expand knowledge to improve management on California's public rangelands. Topics of discussion included the USFS-UCCE collaborative monitoring program and a grazing lands water quality update.

From 28 through 30 June, Glenn Meeks, Ashley Peters, and Eric Warren attended *Toward Sustainable Groundwater in Agriculture, 2nd International Conference Linking Science and Policy* in Burlingame, CA. The conference included approximately 150 presenters, split into 4 concurrent tracks, and daily panel discussions. The presentations and discussions addressed issues including drought, subsidence, nitrates, salinity, best management practices, climate change, the Sustainable Groundwater Management Act, and more. Local growers, regulatory agencies, and the environmental justice community were in attendance, as were international scientists and researchers.

On 29 June, Jeanne Chilcott and Lynn Coster attended Sacramento Valley Water Quality Coalition's monthly meeting in Woodland. Jeanne presented a status report on the Central Valley Nitrate and Salinity Basin Plan Amendment. Lynn fielded questions regarding the requirements for Sediment and Erosion Control Plans.

On 1 July, Michelle Wood attended by phone the Clear Lake Cyanobacteria Task Force meeting. The group considered Clear Lake monitoring results for the 2016 season; recent study efforts and grant proposals for evaluating the health effects of harmful algae blooms, fish tissue cyanotoxin sampling, consumption surveys, and signage surveys; and the cyanotoxin monitoring program for raw and finished waters underway with Clear Lake drinking water purveyors.

On 13 July, Lynn Coster attended the Shasta Tehama Water Education Coalition (STWEC) Board Meeting in Red Bluff. Lynn fielded questions regarding Coalition Member requirements and enforcement of the requirements. Sediment and Erosion Control Plan requirements were also discussed.

On 18 July, Guy Chetelat met with State Parks Superintendent Lori Martin at Lake Britton during the recent Cyano-bacteria bloom to discuss monitoring and public information posting at Burney Falls State Park in Shasta County.

On 19 July Alex MacDonald provided nation-wide training via the internet for the Integrated DNAPL Source Site Strategy Team of the Interstate Technical Regulatory Council (ITRC). Alex was one of four instructors for the 2.25-hour training on the ITRC document *Integrated DNAPL Site Strategy* (2011). This was the eighth of several training sessions on the document. The training is provided free of charge and approximately 180 people world-wide attended the training.

On 20 July, Doug Barber and Melissa Buciak presented regarding the General Waste Discharge Requirements for Composting Operations to the Northern Sacramento Valley Section of the California Water Environment Association.

PERSONNEL AND ADMINISTRATION

STAFFING UPDATE

May 26, 2016 – July 20, 2016

Promotion: None

Leave of Absence:

Ann Palmer – Water Resource Control Engineer

Scott Zaitz – Environmental Scientist

Retirement: None

Authorized Positions: 249.7

Vacant Positions: 24

Separations	New Hires
Rajmir Rai – Environmental Scientist Sarah Rutherford – Environmental Scientist Grant Stein – Engineering Geologist Kevin Pfeiffer – Engineering Geologist	Alan Buehler – Engineering Geologist Lauren Smitherman – Environmental Scientist Henry Jones - Engineering Geologist

Temporary Help Positions

Separations	New Hires
Jeondra Arrington – Scientific Aid Carlos Baez – Scientific Aid Andre Sanchez – Scientific Aid Emily Harding - Scientific Aid	Samuel Palmquist – Scientific Aid Hanna Kutsapalava – Scientific Aid Stephanie Torres – Scientific Aid Taylor Diamond – Scientific Aid Joelle Demetre – Scientific Aid Katie Gilman – Scientific Aid John Overton - Scientific Aid

TRAINING UPDATE

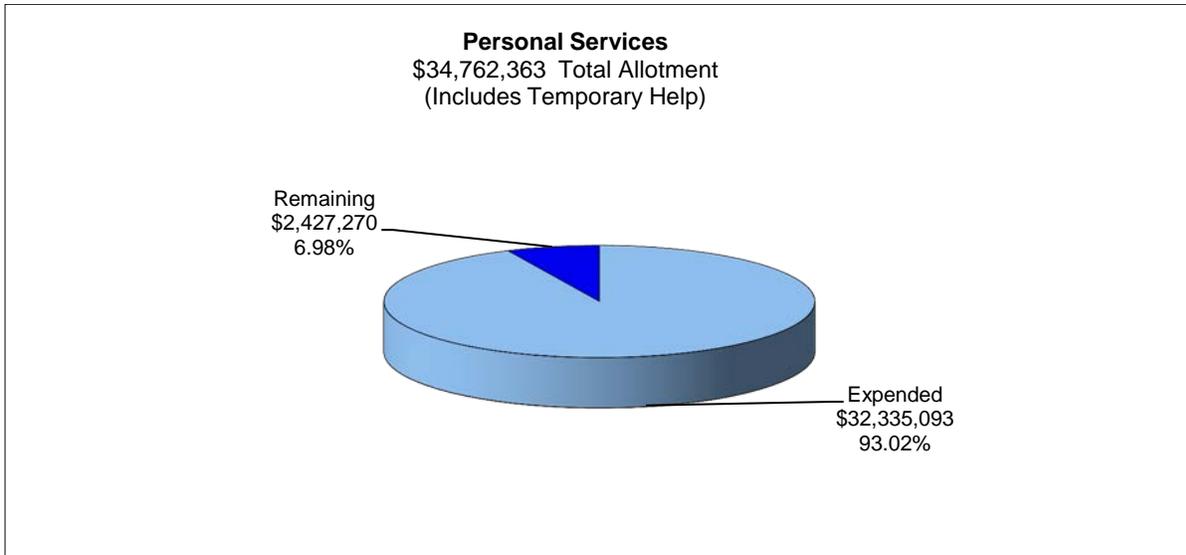
May 26, 2016 – July 20, 2016

Class Title	Number of Attendees
1st Rustic Rangeland Tour	2
2016 Specialty Crops Tour	2
Basic Supervision for State Supervisors - Part II	2
BI01-2 Concept of Bioassessment and SWAMP Field Procedures	3
Coaching and Mentoring - Supervisors Only	1
Defensive Drivers Training	3
DMR - QA Study (NPDES Permits)	5
Effective Supervisory Communication	2
ESRI International User Conference	1
General Cram Training	1
Getting to know NHDPlus: Applying a National Geospatial Hydrologic Framework	1
Hazardous Communications	69
Heat Stress	20
Identifying and Responding to Cyanobacteria HABs in California	4
Injury & Illness Prevention Training (IIPP)	16
NHDPlus Workshop	1
NRCS Technical Service Provider Training	1
Project Integration and Scope Management (PRJMGT)	1
Safely Enforcing the law at Cannabis Grow Sites North	2
Seismic Design Review	1
State Supervisory Training Certificate Program	1
Sustainable Groundwater in Agriculture Conference	4
Visualizing and Analyzing Environmental Data with R	1
Water Quality Goals	7
Writing in the Field of Water Resources	6

FISCAL UPDATE
Through June 30, 2016
(Approximately 100% should have been expended)

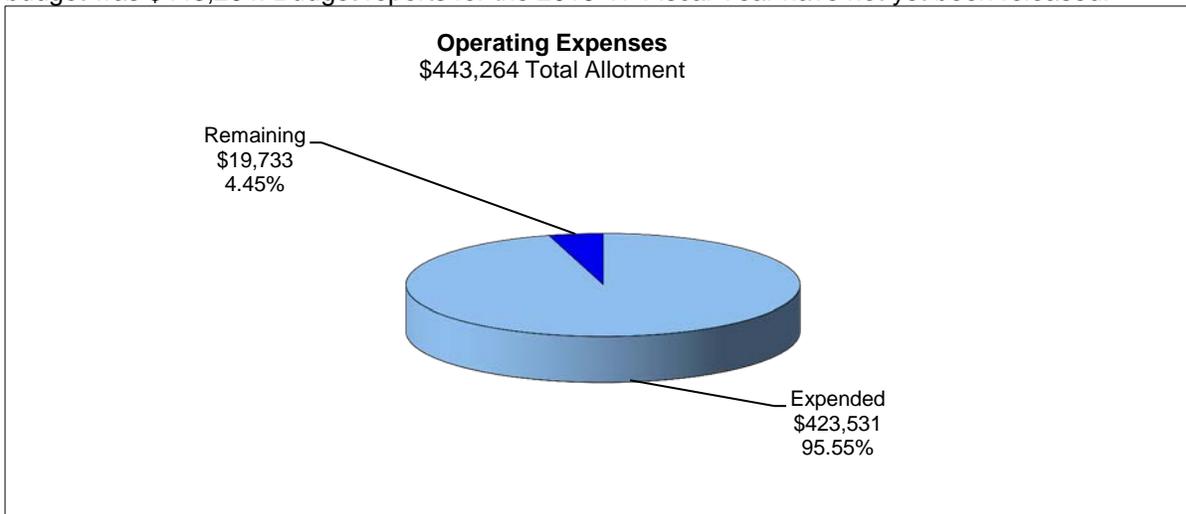
Personal Services:

The information below represents the final budget for the 2015-16 Fiscal Year. Our Personal Services budget was \$34,762,363. Budget reports for the 2016-17 Fiscal Year have not yet been released.



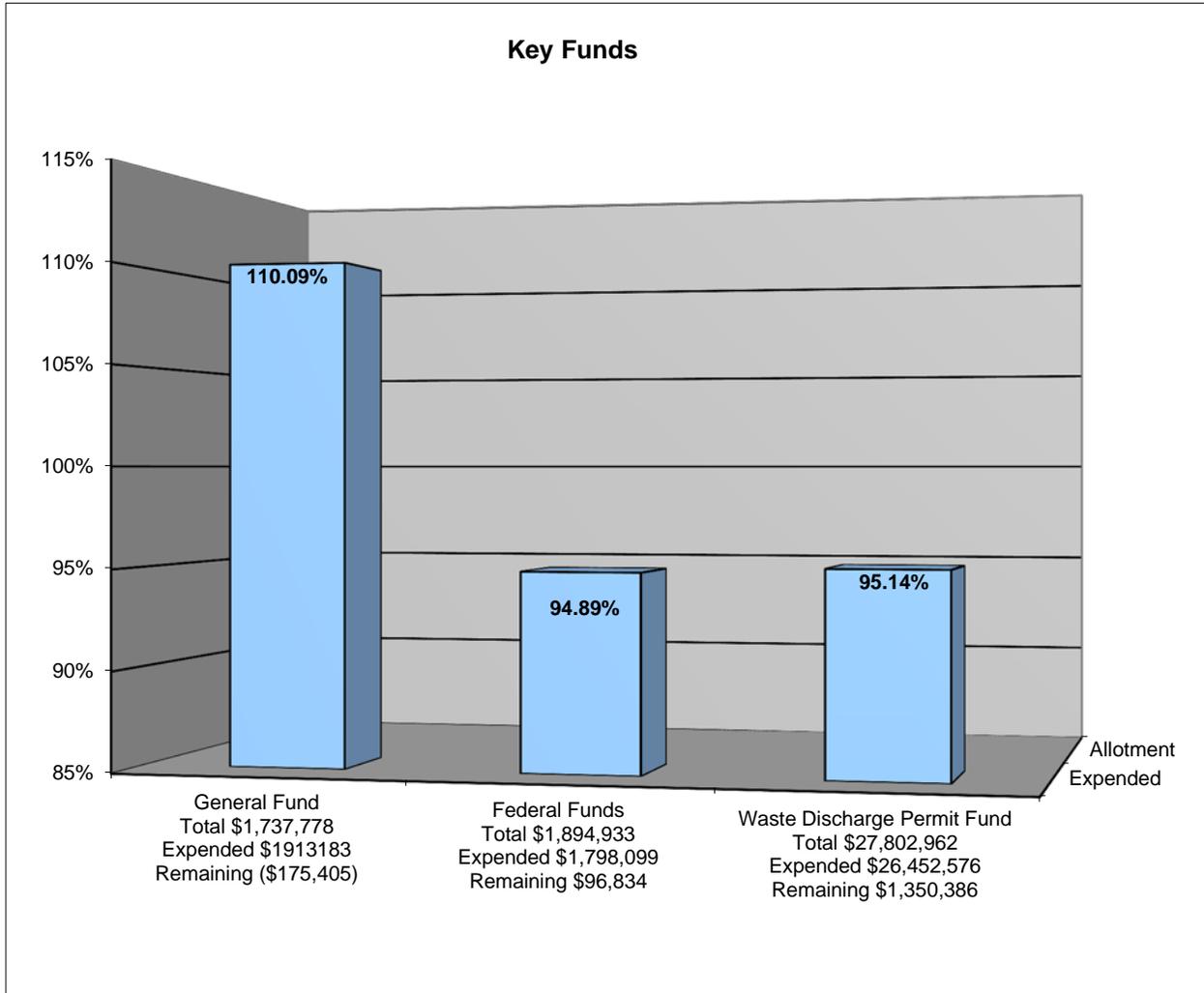
Operating Expenses:

The information below represents the final budget for the 2015-16 Fiscal Year. Our Operating Expense budget was \$443,264. Budget reports for the 2016-17 Fiscal Year have not yet been released.



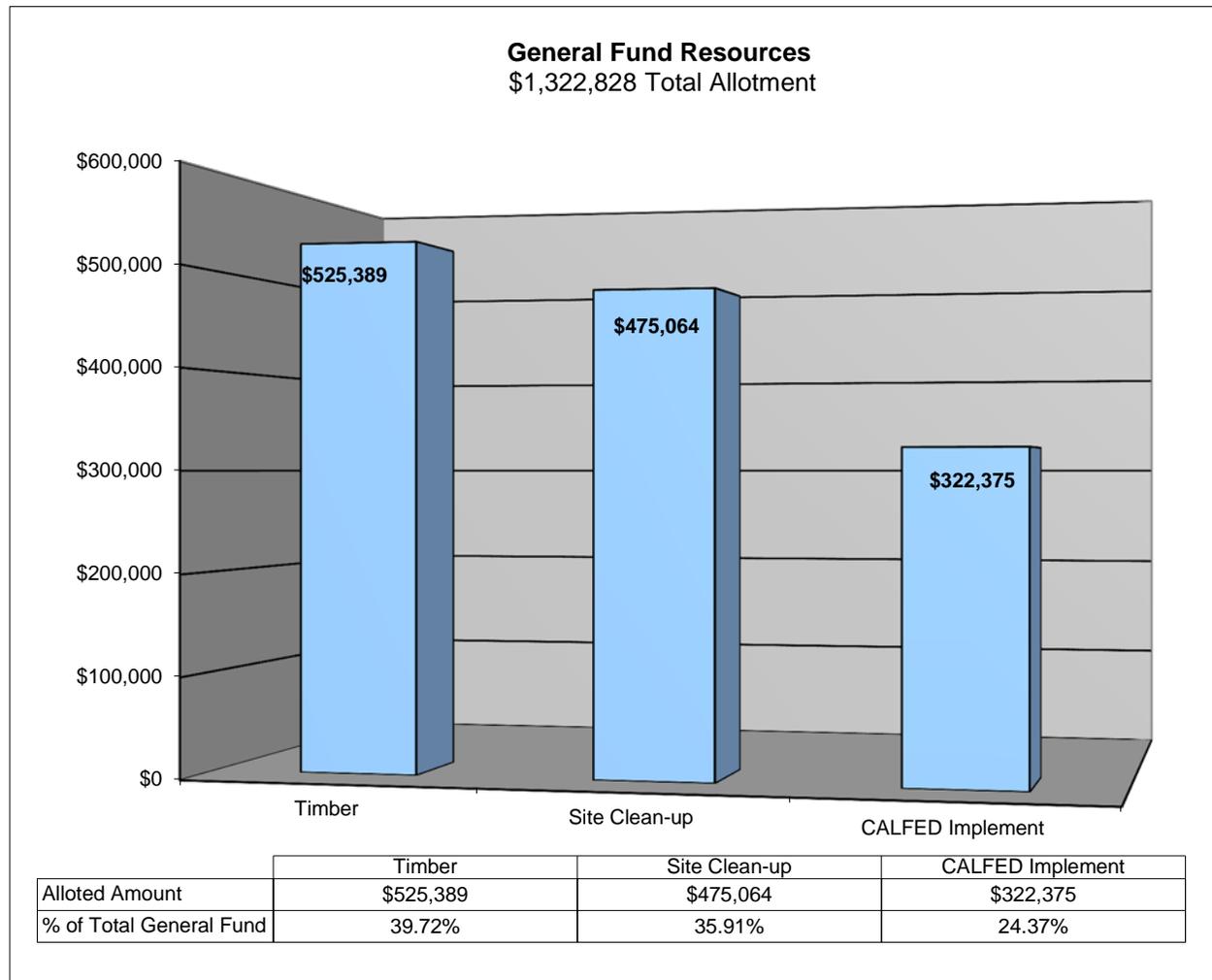
Key Funds

Key funds are provided through General, Federal (Lawrence Livermore, Leaking Underground Storage Tanks, Non-Point Source, and NPDES), and Waste Discharge Permit fund sources. The information below represents the final budget allocations for the 2015-16 Fiscal Year. Budget reports for the 2016-17 Fiscal Year have not yet been released.



General Fund Resources:

Our General Fund budget for the 2015-16 Fiscal Year was \$1,322,828. 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. The information below represents the final budget allocations for the 2015-16 Fiscal Year. Budget reports for the 2016-17 Fiscal Year have not yet been released.



CONTRACTS

Contract #	Contractor Name	Description	End Date	Amount
Administrative Support Services				
15-072-150	California Reporting	Court Reporter Services	6/30/2018	\$36,000
15-150-758	California Reporting	Court Reporter (off-site)	6/30/2018	\$4,800
Operational Support Services				
15-047-150	San Jose State Foundation	Support for Statewide Mercury Control Program	3/31/2018	\$200,000
15-011-150	Moore Twining	Lab Analysis – Fresno	2/28/2018	\$130,000
15-011-150	Basic Laboratory	Lab Analysis - Redding	2/28/2018	\$110,000
15-095-150	Monterey Bay Analytical	Lab Analysis - Rancho Cordova	6/30/2018	\$160,000
15-023-150	Air Shasta Rotor & Wing	Helicopter Services	9/30/2017	\$40,000
Water Quality Study/Planning				
11-123-555	San Joaquin Valley Drainage Authority	CV-Salts - Phase 2	12/1/2016	\$3,800,000
13-093-150	Delta Conservancy	Delta Mercury Exposure Program	3/1/2018	\$370,000
13-103-150	California Department of Fish & Wildlife	Stream Health Assessment	9/30/2016	\$42,537
13-105-150	The Regents of UC Davis	Butte Creek Sediment	9/30/2016	\$44,901
14-025-150	Delta Conservancy	Delta Mercury Exposure Reduction Program	6/30/2017	\$370,000
14-030-150	USGS	Urban and Agriculture Pesticide Monitoring	6/30/2017	\$175,000
14-100-150	The Regents of UC Davis	Large Scale Analysis of Annual Report Data	3/31/2017	\$150,000
XX-XXX-150	TBD	Potential Responsible Party Searches	6/30/2017	\$100,000

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.

OCTOBER 2016 BOARD MEETING

WASTE DISCHARGE REQUIREMENTS (WDR) PROGRAM – DISPOSAL TO LAND

- Amador County Water Agency (Revised)
- City of Laton WWTF (Revised WDRs)
- City of Richgrove WWTF (Revised WDRs)
- Darling Ingredients (Revised WDRs)
- Pleasant Valley State Prison WWTF (Revised

LAND DISPOSAL PROGRAM – CHAPTER 15/TITLE 27

- Houston Ave. Landfill, Kings County (Revised WDRs)
- Yolo County Central Landfill, Yolo County (Revised WDRs)

DECEMBER 2016 BOARD MEETING

WASTE DISCHARGE REQUIREMENTS (WDR) PROGRAM – DISPOSAL TO LAND

- Clear Creek WWTP Renewal
- Harris Ranch Selma Beef Processing (Revised WDRs)
- Limited Threat General Order Renewal
- McMannis Family Vineyards (Revised WDRs)
- Monarch Nut Company (Revised WDRs)
- New POTW General Order
- River Highlands, Hammonton Gold Village Renewal
- Sun Pacific Shippers, Bakersfield (Revised WDRs)
- UC Davis Aquatic Weed & Hydraulics Lab (Revised WDRs)
- Willows WWTP Renewal

LAND DISPOSAL PROGRAM – CHAPTER 15/TITLE 27

- Rock Creek Landfill, Calaveras County (Revised WDRs)

CONFINED ANIMAL FACILITIES PROGRAM

- General Order for Confined Bovine Feeding Operations
- General Order for Poultry Operations

PENDING ACTIONS, BUT NOT YET SCHEDULED FOR A BOARD MEETING

- Atwater Regional WWTF Rescission
- Bogle Vineyards
- Bolthouse Farms, Bakersfield carrot plant (Revised WDRs)
- Bully Hill Rising Star Mines (New WDRs)
- Burney Wastewater Treatment Plant (Revised WDRs)
- CA Dept. of Corrections, Mule Creek (Revised WDRs)
- Calaveras County Water District, Copper Cove WWTF (Revised WDRs)
- Califia Farms (Revised WDRs)
- City of Angels WWTP Renewal
- City of Atwater WWTF Rescission
- City of Delano WWTF (Revised WDRs)
- City of Fresno WWTF (Revised WDRs)
- City of Galt (Revised WDRs)

- City of Lodi (Revised WDRs)
- City of Manteca WWTF (Revised WDRs)
- City of Modesto (Revised WDRs)
- City of Newman (Revised WDRs)
- City of Tuolumne WWTF (Revised WDRs)
- City of Visalia WWTF (Revised WDRs)
- Clear Lake WWTP Renewal
- Colusa Industrial Park (Revised WDRs)
- Delicato Family Vineyards (Revised WDRs)
- Digger Bay Marina (Revised WDRs)
- Empire Mine State Park Renewal
- Golden Feather School District, Spring Valley School (Revised WDRs)
- Grizzly Ranch WW Recycling Rescission
- Ingomar Packing (revised WDRs)
- Ironhouse Sanitation District (Revised WDRs)
- Liberty Packing Tomato Processing (Revised WDRs)
- Linda County Renewal
- London CSD (Revised WDRs)
- Los Gatos Tomato (Revised WDRs)
- Maxwell PUD (Revised WDRs)
- McCloud WWTF(Revised WDRs)
- Metropolitan Stevedore Co Renewal
- Miners Ranch Rescission
- Modesto WQCF Renewal
- Mokelumne Rim Vineyards (Revised WDRs)
- Nevada City Renewal
- North State Rendering Tallow Plant (Revised WDRs)
- Olam Tomatoes, Williams Plant (New WDRs)
- Olson Meats (Revised WDRs)
- Pactiv Molded Pulp Mill Renewal
- Palo Cedro Wastewater Treatment Facility (Revised WDRs)
- Paradise WTP Rescission
- Placer County SMD No 1 Permit Rescission
- Portola WWTP Renewal
- Smuckers Juice Plant (Revised WDRs)
- So CA Edison Big Creek Powerhouse No. 1 WWTF Renewal
- Spanish Mine Rescission
- Spanish Mine, Nevada County (New WDRs)
- SPI Anderson Rescission
- Tasteful Selections (Revised WDRs)
- Treehouse Almonds (Revised WDRs)
- UC Davis CABA Renewal
- UC Davis Center for Aquatic Biology and Aquaculture (Revised WDRs)
- Washington Mine Renewal
- Yocha De He Tribe (Revised WDRs)
- Zacky & Sons Poultry (New WDRs or MRP)

LAND DISPOSAL PROGRAM – CHAPTER 15/TITLE 27

- Rock Creek Landfill, Calaveras County (Revised WDRs)

CONFINED ANIMAL FACILITIES PROGRAM

- General Order for Confined Bovine Feeding Operations
General Order for Poultry Operations

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	Organochlorine Pesticides in the Sacramento River and San Joaquin River Basin Plan	2016-05-24 Regional Board completed CEQA Scoping meeting in July 2009. A draft summary report on OC pesticides was completed in December 2014. Loss of staff has delayed project.	Regional	R5
A-14	Central Valley Diazinon and Chlorpyrifos Basin Plan Amendment	2016-04-20 Amendment addressing chlorpyrifos and diazinon in hundreds of valley floor rivers, streams and creeks adopted by Regional Board on 28 March 2014. Approved by the State Water Board on 16 June 2015. Requires OAL and USEPA approval before becoming effective. (Staff contact, Danny McClure)	Regional	R5
A-15	Central Valley Pyrethroids Basin Plan Amendment	2016-05-24 In development. Scoping meeting held in October 2012. Stakeholder meetings held in Sept-Nov 2014, May-December 2015; January 2016. Peer reviewd Summer 2015. A Board workshop was held in February 2016. A Board information item on pyrethroid-related monitoring is scheduled for June 2016. Additional outreach, workshops and final adoption are scheduled for 2016.	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	2016-05-19 Conducted in coordination with CV-SALTS, this Basin Plan Amendment (BPA) is the first phase of an evaluation of the appropriate beneficial uses and level of protection in Ag dominated surface water bodies region-wide. Phase I focuses on the MUN beneficial use while Phase II will focus on other beneficial uses (timelines dependent on the results from Phase I). CEQA Scoping was completed Oct/Nov 2012. The preferred alternative for this BPA is to use a water body categorization process to categorize and designate the appropriate MUN beneficial use to different types of Ag dominated water bodies based on inherent characteristics. A public information item on the development of a LIMITED-MUN beneficial use was conducted on 30 July 2015 at the Central Valley Water Board meeting. Central Valley Board workshop tentatively scheduled for 17 August 2016. Board consideration anticipated December 2016.	Regional	R5
A-15	Central Valley Diuron Basin Plan Amendment	2016-05-24 In development. Scoping meeting held in October 2012. Originally scheduled for peer review draft release in early 2016, Board Hearing in 2016. Reviewing current water quality information which indicates effectiveness of Irrigated Lands Regulatory Program Management Plans. Delayed due to loss of staff. (Staff contact, Danny McClure)	Regional	R5

Key	Item	Status	Statewide or Regional Project	Org. Lead
A-16	Implement Lower San Joaquin River Salt/Boron TMDL	2016-05-19 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 an annual report update in January 2016. 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. 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.	Regional	R5
A-16	Establish New Water Quality Objectives for Salinity and Boron in the Lower San Joaquin River - Amendment to the Sacramento River and San Joaquin River Basin Plan.	2016-07-20 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 workshop is scheduled for 17 August 2016 with consideration by the Regional Board in later 2016.	Regional	R5
A-16	General Order for Poultry Facilities	2016-06-01 General Order for poultry raising and egg laying facilities. Drafting of General Order has begun. Information item on draft poultry order was presented in April 2016. Administrative Draft has been circulated, and is scheduled to be presented in front of the Board for adoption in August 2016.	Regional	R5
A-16	Toxicity Amendments to the Inland Surface Waters, Enclosed Bays, and Estuaries Plan	2016-08-03 Staff have completed the draft language and have made this available to the Regional Boards in July 2017. The proposed language, which will be in the Inland Surface Water, Enclosed Bays, and Estuaries (ISWEBE) Plan was discussed at the July 24 MCC meeting. Staff are still finalizing the Staff Report. Staff are also preparing to conduct a series of focused stakeholder outreach meetings. The proposed schedule is as follows: Focused Stakeholder Outreach meetings in September and October 2016, Finalize the Staff Report by the end of October or beginning of November 2016, Public Comment period in November and December 2016, Board Hearing in January 2017, and Board adoption in March 2017.	Statewide	SB

Key	Item	Status	Statewide or Regional Project	Org. Lead
*A-16	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)	2016-08-02 State Water Board staff has prepared proposed Procedures for Discharges of Dredged or Fill Materials to Waters of the State, formerly known as the wetland area protection and dredge fill permitting policy. In addition, staff have held informal, focused stakeholder outreach. Staff released the proposed Procedures and Substitute Environmental Document for public comments on June 17, 2016. Staff held a workshop on June 28, 2016 in Los Angeles and a second workshop on July 7, 2016 in Rancho Cordova. A board hearing to receive oral comments was held for July 19, 2016. The comment period was extended for two weeks and now closes on August 18, 2016.	Statewide	SB
*A-16	Phase I update of the Bay-Delta Plan:- San Joaquin River flows and southern Delta salinity.	2016-07-13 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 early summer of 2016. Draft plan amendment to be brought to the Board for consideration by winter of 2016.	Statewide	SB
A-16	Petition Order for Central Valley Regional Board's Eastern San Joaquin Agricultural Order	2016-07-25 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.	Statewide	SB
A-16	General Order of WDR for Discharges Related to Timberland Management in the Central Valley	2016-07-25 Two initial public meetings were held in late 2015 to discuss changes to the current Timber Waiver of WDRs, this resulted in the drafting of a General Order. Two additional public meetings were held in April to go over the working draft, resulting in the forming of subject-specific focus groups. Staff expects to take a final proposal to the board in December 2016/January 2017.	Regional	R5
A-16	Nonpoint Source (NPS) Implementation and Enforcement Policy Amendments	2016-08-02 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.	Statewide	SB

Key	Item	Status	Statewide or Regional Project	Org. Lead
A-16	Unified Program Underground Storage Tank Surcharge Increase	2016-08-02 Underground Storage Tank (UST) Leak Prevention Program, as part of CalEPA's Unified Program, is funded by a surcharge applied to each operating UST. Surcharge funding is authorized by California Health and Safety Code. Revenue from the surcharge is intended to cover operating costs at the State Water Resources Control Board to oversee and implement the program, however the current amount fails to do so.	Statewide	SB
A-16	SB 83, Section 45 - Produced Water Pond Report	2016-07-26 The State Water Board posted on its website a status report on the regulation of oil field produced water ponds within each region on January 30, 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 by July 30, 2016 and every six months thereafter.	Statewide	SB
A-16	Big Creeks Projects - Clean Water Act, Section 401, Water Quality Certification	2016-07-13 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 September 2016.	Statewide	SB
A-16	Report to Legislature on the feasibility of developing uniform recycling criteria for direct potable reuse	2016-05-04 Division of Drinking Water staff are working with Advisory Group and Expert Panel to prepare and complete the Report to the Legislature. Water Code Section 13565(c) requires SWRCB to prepare a draft report summarizing the recommendations of the Expert Panel with respect to Research needs related to DPR by June 30, 2016. As required by Water Code section 13563, a public review draft of the report will be completed by September 1, 2016, for a 45-day public review and comment period. Staff anticipates taking an informational item to the Board on December 6, 2016.	Statewide	SB
A-16	State Water Board Water Quality Enforcement Policy Amendments	2016-05-27 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 proposed revisions have been reviewed and commented on by the regional boards, and presented to the DMC. Staff expects to release the revised Enforcement Policy for public comment in June 2016. State Water Board consideration is planned for October 2016.	Statewide	SB

Key	Item	Status	Statewide or Regional Project	Org. Lead
A-16	Surface Water Augmentation with Recycled Water Regulations	2016-08-03 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 is reviewing the peer review comments and staff are determining if revisions to the regulation are necessary.	Statewide	SB
A-16	Revised Total Coliform Rule	2016-05-04 The Federal Revised Total Coliform Rule became effective on April 1, 2016. Division of Drinking Water staff are in the process of drafting state regulations that are at least as stringent as federal regulations but include California-specific requirements. Staff anticipate releasing draft regulations in the fall 2016, with a proposed Board Adoption date of December 6, 2016.	Statewide	SB
A-17	Bacteria Standards for Ocean and Inland Surface Waters	2016-07-25 The State Water Board is developing proposed statewide bacteria water quality objectives and a proposed control program to protect human health in waters designated for water contact recreation (REC-1) from the effects of pathogens. The bacteria objectives are proposed to be adopted as amendments to the Statewide Inland Surface Waters, Enclosed Bays and Estuaries Plan, and the California Ocean Plan. Staff plans to release draft documents for public review and comment in November of 2016. 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	2016-08-02 State Water Board staff is developing an 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 amendment includes new and revised TMDL implementation requirements, TMDL final compliance dates, and references the waste load allocations contained in the Fact Sheet. An informal draft amendment was released to the Regional Boards and the 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. Issuance of the draft amendment for public review and comment is tentatively scheduled for August 2016.	Statewide	SB

Key	Item	Status	Statewide or Regional Project	Org. Lead
*A-17	Phase II update of the Bay-Delta Plan: Comprehensive Review	2016-07-13 State Water Board staff is in the process of a phased review and update of the 2006 Water Quality Control Plan for the Bay-Delta (2006 Bay-Delta Plan). The second phase of the review focuses on the following issues: (1) Delta outflow objectives, (2) export/inflow objectives, (3) Delta Cross Channel Gate closure objectives, (4) Suisun Marsh objectives; (5) potential new reverse flow objectives for Old and Middle Rivers; (6) potential new floodplain habitat flow objectives; (7) potential changes to the monitoring and special studies program, and (8) other potential changes to the program of implementation. Staff is preparing a Scientific Basis Report that will provide the underlying scientific support for proposed flow and water quality objectives. The Report will consider recommendations provided in the Delta Science Program's Workshops Panel Summary Reports on Delta Outflows and Related Stressors (May 2014) and Interior Delta Flows and Related Stressors (July 2014). The working draft Scientific Basis Report is expected to be released for public review in late spring/early summer 2016. Staff is also developing a Substitute Environmental Document that will provide an evaluation of the potential environmental impacts of the proposed changes to the Bay-Delta Plan. This document is expected to be released for public review in 2017.	Statewide	SB
A-17	Mercury TMDL and Water Quality Objectives (Reservoirs)	2016-07-18 Staff from Regions 2&5 and State Water Board are developing a TMDL and implementation plan to address fish mercury impairments in about 150 reservoirs around the state. Staff is preparing the scientific and technical analysis (source analysis, linkage, targets, allocations, and implementation plan options), and regulatory provisions for the implementation plan. Staff met reservoir owners and other stakeholders in early June 2016; staff is developing a survey for reservoir owners to provide info on current reservoir management practices.	Statewide	R5
A-17	Mercury Water Quality Objectives & Implementation	2016-06-30 In coordination with the Reservoir Mercury TMDL team, staff is preparing mercury water quality objectives and a plan of implementation. Scientific peer review was initiated on May 1, 2016, and the scientific reviewers' comments should be received July 31, 2016. The draft staff report and the draft regulatory language are expected to be released to the public in the fall of 2016.	Statewide	SB
*A-17	Maximum Contaminant Level (MCL) for 1,2,3-Trichloropropane (1,2,3-TCP)	2016-08-03 Division of Drinking Water staff are in the process of drafting the regulation and are working on the CEQA analysis, developing the Standardized Regulatory Impact Assessment (Major Regulation), and the external scientific peer review. 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. These meetings and workshops will be followed by a public comment period and public hearing in fall/winter 2016. Staff anticipate a Board Adoption date in early 2017, and then provide the regulations package to OAL for its review and approval. The MCL is anticipated to be effective in the spring/summer of 2017.	Statewide	SB
A-17	Statewide General Waste Discharge Requirements Order for Wineries	2016-07-05 State Water Board staff have prepared a concept paper for developing a statewide general order for wineries. Staff is collaborating with stakeholders to prepare a draft requirements matrix. Initial meetings with wine industry representatives performed and additional outreach meetings will be scheduled.	Statewide	SB

Key	Item	Status	Statewide or Regional Project	Org. Lead
A-17	Biological Integrity Plan Development	2016-07-18 State Water Board staff is developing a proposed Implementation Plan for Assessing Biological Integrity of perennial freshwater streams. The goal is to set biological expectations to ensure protection and restoration of aquatic life beneficial uses in these waterbodies and to incorporate additional bioassessment monitoring and assessment into the Water Boards regulatory programs. Staff is revising the existing draft Biological Integrity Plan based on the feedback from stakeholders and regulatory advisory groups. Staff is combining efforts with the Biostimulatory substances project and created a project charter that defines the roles and responsibilities of a multi-unit team. Next steps include planning outreach to the combined Regulatory Advisory groups and larger stakeholder groups to share results of recent focus groups for the biostimulatory substances plan and discuss the future of the now joint project.	Statewide	SB
A-17	Environmental Laboratory Accreditation Regulations	2016-07-21 Division of Drinking Water staff have drafted updated regulations governing the accreditation of laboratories under the Environmental Laboratory Accreditation Program (ELAP). The updated regulations clarify the roles of State Water Board lab auditors and the laboratories to ensure efficient, effective, and flexible implementation of ELAP. The draft regulations are under internal review and staff anticipate compiling the final regulation package in the last quarter of 2016 and initiate the rule-making process in the 2nd quarter of 2017.	Statewide	SB
A-17	Blue Green Algae Action Levels	2016-08-02 State Water Board staff is working with a multi-agency workgroup consisting of the Water Boards, California Department of Public Health, Office of Environmental Health Hazard Assessment, and United States Environmental Protection Agency to update the Draft Voluntary Guidance Document for California CyanoHABs (CCHABs) related to monitoring and posting public notices of warning or closure. Staff is also coordinating with the Water Quality Monitoring Council CCHAB workgroup on issues related to CCHABs.	Statewide	SB
A-17	Biostimulatory Substances Project	2016-07-14 This project is being combined with the Biological Integrity Project. Staff is working with technical advisory groups to produce an implementation strategy document. U.S. EPA contracted to have the nutrient numeric endpoint protocol updated based on case studies. In 2014, staff organized a Stakeholder Advisory Group (SAG), a Science Panel, and expanded a Regulatory Group (RG) for the Biostimulatory Substances in wadeable streams project. The Science Panel met at a Southern California Coastal Watershed Research Project meeting in June 2015 to review the Science Plan. The Science Panel was generally supportive of the Science Plan. A written report from the Science Panel was received in July 2015. Staff held webinars for stakeholders on August 21 and 26, 2015 to discuss the results of modeling approaches. Staff has completed Focus Group outreach efforts by having 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. In July 2016, staff plans to update the project's RG and SAG on the technical science and the Biostimulatory Substances Project. Southern California Coastal Water Research Project (SCCWRP) staff are researching and developing the biological condition gradient (BCG) model that will be used in the assessment of the effects of nutrients on stream biological conditions. Scientific Peer Review (Public Release) is anticipated for Winter 2017.	Statewide	SB

Key	Item	Status	Statewide or Regional Project	Org. Lead
A-17	Statewide General Order for Discharges from Natural Gas Facilities	2016-07-18 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. Staff is also developing California Environmental Quality Act (CEQA) documents for the portion of the proposed General Order that must proceed through the environmental review process prior to State Water Board adoption. The proposed statewide General Order and the proposed CEQA documents will be issued for public review and comment in late 2016, with subsequent State Water Board consideration of adoption in early 2017.	Statewide	SB
A-17	2014 and 2016 California Integrated Report Adoption	2016-07-25 Staff has combined the 2014 and 2016 California Integrated Reports and scheduled them for approval at a single State Water Board Meeting not later than August 2017. This will allow the six participating Regional Water Boards (2, 3, 4, 5, 8, and 9) sufficient time to complete development of their reports and complete their Regional Water Board approval process.	Statewide	SB
A-17	Sediment Quality Objectives (SQOs) for Enclosed Bays and Estuaries: Phase II	2016-07-06 Water Board staff is developing a methodology to implement and assess sediment quality in relation to the narrative human health SQO that protects human consumers from contaminants that bioaccumulate from the sediment into fish tissue. Staff is using the Los Angeles Long Beach Harbors TMDL as a case study to address many of the issues associated with the human health implementation framework as well as addressing other questions related to the application of SQOs as TMDL targets. Several groups and committees, including the SQO Advisory Committee, the Agency Coordination Committee, and the Harbor Technical Work Group (HTWG), are collaborating on studies that will assist in the development, testing, and implementation of Phase II SQOs. Staff presented an information item to the State Board on October 7, 2015. The SQO's are under development. Staff anticipates that the case study and test drive will be completed by late this year, followed by release of draft documents in February 2017.	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	Statewide Urban Pesticides Reduction	2016-07-25 The State Water Board is developing a statewide multi-agency framework for urban pesticides reduction that will be proposed as amendments to both the Inland Surface Waters, Enclosed Bays, and Estuaries Plan, and to the Ocean Plan. An multi-stakeholder project team has been established to develop proposals for (1) A framework for interagency coordination, (2) a regional monitoring framework, and (3) suggested permit language for MS4 permittees. The project is in early development phase with outreach expected to begin in early 2017.	Statewide	SB

Key	Item	Status	Statewide or Regional Project	Org. Lead
A-18	Recycled Water Policy Update	2016-08-03 State Water Board staff is drafting a resolution for the State Water Board's consideration in Fall of 2016 regarding updating the Recycled Water Policy. Please note that this resolution is intended to outline what needs to be updated or added to the policy and direct staff to work with stakeholders to develop an updated policy and bring it to the board in the future. State Water Board staff is also developing a project charter and timeline for the next update of the Recycled Water Policy.	Statewide	SB
*A	Onsite Wastewater Treatment Systems (OWTS) Policy Implementation	2016-07-25 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	Statewide	SB
A	Chlorine Amendment	2016-06-21 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. This action is a priority for U.S. EPA.	Statewide	SB
A	Natural Resources	2016-07-19 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.	Statewide	SB
A	New winery waste guidelines	2016-05-18 Industry recommendations have been reviewed by CV-SALTS Management Practices Subcommittee. Currently the CV-SALTS Management Practices Subcommittee is on hold while salinity management alternatives are being evaluated.	Regional	R5
A	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.	2016-07-20 Draft UC Davis criteria documents for the four herbicides were released for public comment (including comments on potential peer review topics) in June 2016. A draft fipronil criteria document is scheduled for release in August 2016. Peer reviews are scheduled for August-September 2016. 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

Key	Item	Status	Statewide or Regional Project
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
A	Development of permit for Federal Non-Point Source activities on Forest Lands	2016-07-25 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. An EIR will be developed to address CEQA.	Regional
A	Delta Regional Monitoring Program- RMP	2016-07-18 The Delta RMP has a monitoring design for toxicity/pesticides, pathogens, mercury, and nutrients and a workplan for FY15/16. In April 2016 the Steering Committee approved the FY16/17 monitoring plan and budget. FY16/17 will include mercury monitoring.	Statewide
A	Revision of General Order for Existing Dairies	2016-06-01 Revision of Revised General Order R5-2013-0122 to include requirements for land application areas consistent with the Irrigated Lands Regulatory Program requirements. Will draft revisions following the issuance of the General Order for Bovine Feedlots.	Regional
A	Groundwater Quality Protection Strategy	2016-07-19 At the Central Valley Water Board's September 2010 meeting Resolution #2010-0095 was adopted which approved the Groundwater Quality Protection Strategy for the Central Valley Region, A Roadmap. Progress reports on the implementation of the priority actions were provided at the June 2012, December 2013, and February 2016 Central Valley Water Board meetings. At the February 2016 Board Meeting staff presented a draft Addendum to update the Strategy. Addendum has been finalized to incorporate Board input and posted on the Board's website. Workplan for ongoing and new actions is under development.	Regional
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	2016-07-20 Revised strategy and workplan to address funding constraints February 2012. Case studies evaluating appropriate beneficial uses and associated water quality objectives for AGR and MUN in surface and groundwater. Initial modeling results for salinity/nitrate source and fate and assimilative capacity completed. Implementation alternatives under evaluation. CEQA Scoping meetings completed October 2013. Draft SNMP Framework in 2014. Final SNMP in 2016. State Water Board annual report presented at 16 February 2016 Board Meeting. Central Valley Water Board workshop held 22 June 2016 on framework and policies to support implementation. Submittal of final SNMP end of 2016.	Regional

Key	Item	Status	Statewide or Regional Project	Org. Lead
A	Cadmium Objective and Hardness Implementation Policy	2016-06-06 The Hardness Implementation Policy is now a separate project from the updated Cadmium Objectives Project. U.S. EPA has 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 2016. 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	2016-07-20 State Water Board staff has initiated development of 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 permit revisions intended 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	2016-07-25 The State Water Board is developing a statewide multi-agency framework for urban pesticides reduction that will be proposed as amendments to both the Inland Surface Waters, Enclosed Bays, and Estuaries Plan, and to the Ocean Plan. An multi-stakeholder project team has been established to develop proposals for (1) A framework for interagency coordination, (2) a regional monitoring framework, and (3) suggested permit language for MS4 permittees. The project is in early development phase with outreach expected to begin in early 2017.	Statewide	SB
A	Statewide Aggregate General Order	2016-07-13 DWQ is preparing a statewide general order for aggregate processing facilities that discharge to land.	Statewide	SB

Key	Item	Status	Statewide or Regional Project	Org. Lead
A	Implement Mercury TMDL/Control Program in Cache Creek Watershed - Sacramento River and San Joaquin River Basin Plan	2016-07-18 Mining waste at six former mercury mines in the upper Cache Creek watershed was tentatively scheduled to be consolidated and covered in 2014 to prevent continued erosion of mercury sediment into Sulphur Creek, a tributary to Cache Creek. Permitting delays associated with review and approval of the project by the US Army Corps of Engineers has delayed the mine cleanups. The project is now scheduled to begin in July and be completed in September 2016.	Regional	R5
C	Region-Wide General Order for MS4s	Permit adopted by Central Valley Water Board 23 June 2016. Effective date is 1 October 2016. Permit development included meetings with a Permittee working group, interested watershed group representatives, State Water Board staff, USEPA staff, and others. Two drafts of the permit were circulated for public comment.	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	2016-07-19 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 East 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	2016-07-20 Use Attainability Analysis was conducted to demonstrate the current beneficial uses assigned to West Squaw Creek, a stream heavily impacted by acid mine drainage, are not achievable. Specifically, the stream cannot support fish and other pH or metal sensitive aquatic species and spawning of selected fish species defined in the Basin Plan. A Staff Report including the proposed amendments and CEQA functional equivalent document was presented to the Regional Board on 9 July 2004. The Regional Board adopted Resolution R5-2004-0090 which included the UAA, Staff Report, Functional Equivalent Document and proposed amendments. BPA not approved by State Board. Staff gathering additional information to respond to State Board and USEPA comments. Expected completion date 2018.	Regional	R5

Key	Item	Status	Statewide or Regional Project	Org. Lead
P	New Manual of Good Practice for Land Application of Food Processing/Rinse Water	2016-07-19 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)
Blue = Completed 2016 - 2010 (C2016 - C2010)
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 April 2016 through May 2016

Count of Spills Month	5F				5R				5S				Grand Total
	Category 1	Category 2	Category 3	5F Total	Category 1	Category 2	Category 3	5R Total	Category 1	Category 2	Category 3	5S Total	
April 2016	0	2	8	10	3	0	3	6	6	2	99	107	123
May 2016	0	0	2	2	0	0	1	1	4	0	103	107	110
Total	0	2	10	12	3	0	4	7	10	2	202	214	233

Spill Cause	Count of Spills	%
Root Intrusion	121	51.9%
Debris - General	44	18.9%
Grease Deposition (FOG)	20	8.6%
Pipe Structural Problem/Failure	15	6.4%
Operator Error	7	3.0%
Vandalism	5	2.1%
Air Relief Valve (ARV) / Blow-Off Valve (BOV) Failure	4	1.7%
Debris - Rags	4	1.7%
Other	5	2.1%
Debris from Lateral	3	1.3%
Debris from Construction	2	0.9%
Damage by others not related to CS Const/Maint.	1	0.4%
Pump Station Failure-Mechanical	1	0.4%
Rainfall Exceeded Design Inflow and Infiltration	1	0.4%
Grand Total	233	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 - April 2016 through May 2016

Region	Collection System	WDID	Spill ID	Certification Status	Spill Type	Spill Location Name	County	Did Spill Reach Surface Waters? (Y/N)	Total Spill Volume (Gallons)	Spill Volume that Reached Surface Waters (Gallons)	Start Date	Spill Cause
SF	Buena Vista Aquatic Rec Area CS	555011231	824665	Certified	Category 2	Buena Vista Aquatic Recreation Area	Kern	No	300,000	0	4/10/2016	Rainfall Exceeded Design, 1 and 1 (Separate CS Only)
SS	City of Stockton MUD CS	555011433	824926	Certified	Category 1	9209 Kelley Drive (Kelley Dr. & Mosher Slough sanitary lift station disch	San Joaquin	Yes	36,000	7,200	5/29/2016	Air Relief Valve (ARV)/Blow-Off Valve (BOV) Failure
SR	Shasta Lake CS	555010851	823631	Certified	Category 1	Smith Ave and Deer Creek Ave	Shasta	Yes	33,776	33,776	4/1/2016	Pipe Structural Problem/Failure
SS	City of Stockton MUD CS	555011433	824148	Certified	Category 2	2815 East Marsh Street	San Joaquin	No	7,573	0	4/27/2016	Operator Error
SF	Strathmore WWTF CS	555011249	823990	Certified	Category 2	Strathmore Wastewater Plant Weir Overflow	Tulare	No	6,000	0	4/19/2016	Debris-General
SS	Modesto CS	555011001	824100	Certified	Category 1	4221 Tully Rd.	Stanislaus	Yes	3,045	3,045	4/24/2016	Root Intrusion
SS	City of Stockton MUD CS	555011433	824061	Certified	Category 1	809 Merrywood Way	San Joaquin	Yes	1,500	1,500	4/20/2016	Pipe Structural Problem/Failure
SS	Clearlake Oaks Co Wtr Dis CS	555010906	824328	Certified	Category 2	Lift Station 11 force main	Lake	No	1,300	0	4/29/2016	Pipe Structural Problem/Failure
SS	Lake Wildwood CS	555010984	823687	Certified	Category 1	Lift Station 30 13760 Laurel Hill Loop, Penn Valley CA 95946	Nevada	Yes	1,272	1,048	4/6/2016	Pipe Structural Problem/Failure
SS	City Of Antioch CS	555010890	823914	Certified	Category 3	618 W 7th Street Antioch, Ca	Contra Costa	No	855	0	4/14/2016	Pipe Structural Problem/Failure
SS	SMD No. 1 CS	555011028	824406	Certified	Category 3	Vineyard Lift Station, Auburn	Placer	No	770	0	5/1/2016	Air Relief Valve (ARV)/Blow-Off Valve (BOV) Failure
SS	Deer Creek CS	555010923	824694	Certified	Category 3	DC-2016-04-05	El Dorado	No	720	0	4/29/2016	Grease Deposition (FOG)
SF	City of Fresno CS	555011202	824552	Certified	Category 3	MH 2261-29	Fresno	No	700	0	5/9/2016	Root Intrusion
SS	WRP 1 MBR	555010985	824343	Certified	Category 3	390 Towne Centre Drive	San Joaquin	No	500	0	4/10/2016	Grease Deposition (FOG)
SS	SMD No. 2 CS	555011362	825174	Certified	Category 3	7047 Hidden Lane, Granite Bay, G16 MH 46	Placer	No	325	0	5/27/2016	Debris-General
SS	Williams CS	555011088	824350	Certified	Category 1	McDonalds	Colusa	Yes	300	300	4/11/2016	Grease Deposition (FOG)
SS	Lathrop CS to Manteca WQCF CS	555010897	824344	Certified	Category 3	16160 Matador	San Joaquin	No	300	0	4/27/2016	Grease Deposition (FOG)
SS	Sacramento Area Sewer District CS	555010912	825831	Certified	Category 3		160408 Sacramento	No	299	0	5/11/2016	Root intrusion
SR	Red Bluff CS	555010845	823782	Certified	Category 3	506 Lincoln st	Tehama	No	200	0	4/12/2016	Root Intrusion
SS	El Dorado Hills CS	555010941	824404	Certified	Category 3	EDH-2016-04-03	El Dorado	No	200	0	4/22/2016	Debris-General
SS	City Of Jackson CS	555010895	824705	Certified	Category 1	2 Water St	Amador	Yes	180	50	5/21/2016	Debris-Rags
SS	Soda Springs CS	555011503	824613	Certified	Category 3	Export FM ARV on Palisades east of Cascade	Placer	No	180	0	5/14/2016	Air Relief Valve (ARV)/Blow-Off Valve (BOV) Failure
SF	Wasco State Prison CS	555010775	824668	Certified	Category 3	Wasco State Prison, Facility A building 2 exterior	Kern	No	150	0	4/25/2016	Debris-Rags
SS	Napa Berryessa CS	555011008	824616	Certified	Category 3	NBRID Lift Station 2	Napa	No	150	0	5/17/2016	Pipe Structural Problem/Failure
SS	Sacramento Area Sewer District CS	555010912	824829	Certified	Category 3		159147 Sacramento	No	140	0	4/24/2016	Grease deposition (FOG)
SS	City Of Antioch CS	555010890	824300	Certified	Category 3	210 Fulton Shipyards Rd, Antioch, Ca	Contra Costa	No	133	0	4/25/2016	Other (specify below)
SS	Waterford CS	555011080	824960	Certified	Category 3	Rose Way	Stanislaus	No	130	0	5/30/2016	Grease Deposition (FOG)
SS	Sacramento Area Sewer District CS	555010912	824798	Certified	Category 3		158351 Sacramento	No	121	0	4/11/2016	Debris-General
SS	Southeast Regional Waste Disp Fac CS	555011055	823711	Certified	Category 3	3292 Sixteenth Street Clearlake, CA 95422	Lake	No	114	0	4/8/2016	Grease Deposition (FOG)
SS	Sacramento Area Sewer District CS	555010912	825820	Certified	Category 3		160058 Sacramento	No	109	0	5/6/2016	Debris-General
SS	Sacramento Area Sewer District CS	555010912	824835	Certified	Category 3		159319 Sacramento	No	106	0	4/26/2016	Debris-General
SS	Sutter Creek CS	555011061	823732	Certified	Category 1	Cleanout 4046 in Spanish Street at 175 Spanish Street	Amador	Yes	100	100	4/10/2016	Root Intrusion
SS	California State University, Sacramento CS	555010882	824954	Certified	Category 1	Library	Sacramento	Yes	100	50	5/23/2016	Pump Station Failure-Mechanical
SF	El Portal CS	555010735	823750	Certified	Category 3	El Portal, 5512 Foresta Road, Manhole # 3001	Mariposa	No	100	0	4/8/2016	Pipe Structural Problem/Failure
SS	Galt CS	555010951	824113	Certified	Category 3	Southdale and Melodee Lane	Sacramento	No	100	0	4/26/2016	Debris-General
SR	Delleker CS	555010810	824382	Certified	Category 3	213 Arriba Av, Portola, C.A.	Plumas	No	100	0	5/3/2016	Grease Deposition (FOG)
SS	Deer Creek CS	555010923	825385	Certified	Category 3	DC-2016-05-06	El Dorado	No	100	0	5/18/2016	Debris from Construction
SS	SMD No. 3 CS	555011029	824922	Certified	Category 3	Magellan Drive, Map Page BE3-43/44	Placer	No	100	0	5/25/2016	Root Intrusion
SS	Sacramento Area Sewer District CS	555010912	824782	Certified	Category 3		157940 Sacramento	No	85	0	4/4/2016	Root intrusion
SF	Tuolumne Utilities District CS	555010771	823897	Certified	Category 3	co in street at 4 Solinsky st	Tuolumne	No	80	0	4/14/2016	Other (specify below)
SS	Sacramento Area Sewer District CS	555010912	824791	Certified	Category 3		158215 Sacramento	No	75	0	4/7/2016	Root intrusion
SS	Sacramento Area Sewer District CS	555010912	824819	Certified	Category 3		158730 Sacramento	No	73	0	4/17/2016	Root intrusion
SS	City of Stockton MUD CS	555011433	824671	Certified	Category 3	3305 Fyffe Ave.	San Joaquin	No	72	0	5/19/2016	Air Relief Valve (ARV)/Blow-Off Valve (BOV) Failure
SS	City Of Jackson CS	555010895	824706	Certified	Category 3	41 Anita St	Amador	No	70	0	5/22/2016	Root Intrusion
SS	Sacramento Area Sewer District CS	555010912	825860	Certified	Category 3		161097 Sacramento	No	57	0	5/25/2016	Grease deposition (FOG)
SS	City of Stockton MUD CS	555011433	824660	Certified	Category 3	5310 N. El Dorado St Stockton Ca	San Joaquin	No	56	0	5/18/2016	Root Intrusion
SS	City Of Folsom CS	555010893	824519	Certified	Category 1	403 Stafford St	Sacramento	Yes	55	10	5/10/2016	Operator Error
SS	Folsom State Prison CS	555011192	824174	Certified	Category 3	Minimum Camp Handball Court	Sacramento	No	55	0	4/28/2016	Vandalism
SR	MT Shasta CS	555010835	823851	Certified	Category 1	McCloud ave.	Siskiyou	Yes	50	50	4/9/2016	Debris-General
SS	Sacramento Area Sewer District CS	555010912	824794	Certified	Category 3		158301 Sacramento	No	50	0	4/9/2016	Root intrusion
SS	Sacramento Area Sewer District CS	555010912	824805	Certified	Category 3		158489 Sacramento	No	50	0	4/13/2016	Root intrusion
SS	Sacramento Area Sewer District CS	555010912	825845	Certified	Category 3		160703 Sacramento	No	50	0	5/18/2016	Debris-General
SS	Lathrop CS to Manteca WQCF CS	555010897	825347	Certified	Category 3	H St & 6th St	San Joaquin	No	50	0	5/29/2016	Grease Deposition (FOG)
SS	Modesto CS	555011001	825222	Certified	Category 3	114 Chabot Ct	Stanislaus	No	50	0	5/29/2016	Root Intrusion
SS	City Of Antioch CS	555010890	823660	Certified	Category 3	Rio Grande Dr @ St Frances Dr	Contra Costa	No	44	0	4/6/2016	Grease Deposition (FOG)
SS	Sacramento Area Sewer District CS	555010912	824793	Certified	Category 3		158266 Sacramento	No	41	0	4/8/2016	Root intrusion
SS	Yuba City CS	555011100	824045	Certified	Category 3	329 Second Street	Sutter	No	40	0	4/16/2016	Debris-General
SS	City of Stockton MUD CS	555011433	824586	Certified	Category 3	211 Leslie Ave Stockton Ca.	San Joaquin	No	40	0	5/14/2016	Root Intrusion
SS	Sacramento Area Sewer District CS	555010912	824817	Certified	Category 3		158723 Sacramento	No	32	0	4/16/2016	Damage by others not related to CS Const/Maint.
SS	Sacramento Area Sewer District CS	555010912	824779	Certified	Category 3		157896 Sacramento	No	31	0	4/3/2016	Root intrusion
SS	Modesto CS	555011001	824475	Certified	Category 3	2101 Westview ct	Stanislaus	No	30	0	4/11/2016	Grease Deposition (FOG)
SS	Sacramento Area Sewer District CS	555010912	825838	Certified	Category 3		160477 Sacramento	No	30	0	5/15/2016	Root intrusion
SS	Sacramento Area Sewer District CS	555010912	824822	Certified	Category 3		158800 Sacramento	No	29	0	4/18/2016	Grease deposition (FOG)
SR	Red Bluff CS	555010845	823571	Certified	Category 3	1540 Elcerrito	Tehama	No	28	0	4/1/2016	Root Intrusion
SS	Sacramento Area Sewer District CS	555010912	824840	Certified	Category 3		159588 Sacramento	No	27	0	4/29/2016	Root intrusion
SS	City Of Antioch CS	555010890	824687	Certified	Category 3	407 Harlow Dr.	Contra Costa	No	26	0	5/11/2016	Root Intrusion
SS	Sacramento Area Sewer District CS	555010912	824787	Certified	Category 3		158058 Sacramento	No	25	0	4/5/2016	Root intrusion
SF	City Of Bakersfield CS	555010717	823934	Certified	Category 3	5113 East Ridge Ct	Kern	No	25	0	4/9/2016	Grease Deposition (FOG)
SS	City Of Folsom CS	555010893	823896	Certified	Category 3	709 Figueroa St	Sacramento	No	25	0	4/10/2016	Root Intrusion

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
SS	City Of Antioch CS	555010890	823742	Certified	Category 3	1110 buchanan rd	Contra Costa	No	25	0	4/11/2016	Pipe Structural Problem/Failure
SS	City of Stockton MUD CS	555011433	824114	Certified	Category 3	9658 Bowie Way	San Joaquin	No	25	0	4/25/2016	Root Intrusion
SS	Sacramento Area Sewer District CS	555010912	825873	Certified	Category 3		161356 Sacramento	No	25	0	5/10/2016	Root intrusion
SS	Manteca CS	555010993	824335	Certified	Category 3	525 Lincoln Ave	San Joaquin	No	22	0	4/10/2016	Grease Deposition (FOG)
SS	Sacramento Area Sewer District CS	555010912	825856	Certified	Category 3		160944 Sacramento	No	22	0	5/23/2016	Debris-General
SS	Sacramento Area Sewer District CS	555010912	825823	Certified	Category 3		160106 Sacramento	No	21	0	5/8/2016	Root intrusion
SS	Sacramento Area Sewer District CS	555010912	825825	Certified	Category 3		160178 Sacramento	No	21	0	5/9/2016	Root intrusion
SS	City of Stockton MUD CS	555011433	824662	Certified	Category 3	1121 S. American St.	San Joaquin	No	21	0	5/18/2016	Debris-General
SS	Deer Creek CS	555010923	824408	Certified	Category 3	DC-2016-04-04	El Dorado	No	20	0	4/28/2016	Pipe Structural Problem/Failure
SS	City of Stockton MUD CS	555011433	824327	Certified	Category 3	1805 Lucerne Ave.	San Joaquin	No	20	0	4/28/2016	Root Intrusion
5F	City Of Bakersfield CS	555010717	824413	Certified	Category 3	32nd St & San Dimas St	Kern	No	20	0	5/2/2016	Grease Deposition (FOG)
SS	Angels Camp CS	555010865	824353	Certified	Category 3	1605 South Main St. Angels Camp Ca. 95222	Calaveras	No	20	0	5/2/2016	Root Intrusion
SS	Grass Valley City CS	555010958	824539	Certified	Category 3	130 Townsend	Nevada	No	20	0	5/11/2016	Debris from Construction
SS	Grass Valley City CS	555010958	824716	Certified	Category 3	504 Packard Drive	Nevada	No	20	0	5/21/2016	Debris-General
SS	City of Stockton MUD CS	555011433	823758	Certified	Category 3	1243 Waterloo Rd.	San Joaquin	No	18	0	4/11/2016	Debris-General
SS	Grass Valley City CS	555010958	824149	Certified	Category 3	107 Ocean St	Nevada	No	18	0	4/18/2016	Debris-General
SS	Waterford CS	555011080	824509	Certified	Category 3	Rose Ct	Stanislaus	No	18	0	5/10/2016	Grease Deposition (FOG)
SS	Sacramento Area Sewer District CS	555010912	824837	Certified	Category 3		159376 Sacramento	No	17	0	4/27/2016	Root intrusion
SS	City of Stockton MUD CS	555011433	824496	Certified	Category 3	1341 W. Robinhood Dr.	San Joaquin	No	17	0	5/10/2016	Debris-General
SS	Sacramento Area Sewer District CS	555010912	825863	Certified	Category 3		161236 Sacramento	No	17	0	5/26/2016	Root intrusion
5F	City Of Bakersfield CS	555010717	823933	Certified	Category 3	1415 Truxtun Ave	Kern	No	15	0	4/11/2016	Debris-General
SS	Sacramento Area Sewer District CS	555010912	824802	Certified	Category 3		158376 Sacramento	No	15	0	4/11/2016	Root intrusion
SS	City of Stockton MUD CS	555011433	823781	Certified	Category 3	1214 E. Poplar St.	San Joaquin	No	15	0	4/12/2016	Root intrusion
5F	City Of Bakersfield CS	555010717	824140	Certified	Category 3	Cibola Dr	Kern	No	15	0	4/26/2016	Other (specify below)
SS	Sacramento Area Sewer District CS	555010912	824836	Certified	Category 3		159361 Sacramento	No	15	0	4/27/2016	Debris-General
SS	Sacramento Area Sewer District CS	555010912	825878	Certified	Category 3		161422 Sacramento	No	15	0	5/31/2016	Root intrusion
SS	Sacramento Area Sewer District CS	555010912	824804	Certified	Category 3		158443 Sacramento	No	14	0	4/11/2016	Pipe Structural Problem/Failure
SS	Sacramento Area Sewer District CS	555010912	824826	Certified	Category 3		158897 Sacramento	No	13	0	4/18/2016	Root intrusion
SS	City of Stockton MUD CS	555011433	824934	Certified	Category 3	448 S San Joaquin St	San Joaquin	No	13	0	5/26/2016	Debris-General
SS	Sacramento Area Sewer District CS	555010912	824825	Certified	Category 3		158896 Sacramento	No	12	0	4/19/2016	Root intrusion
SS	Sacramento Area Sewer District CS	555010912	825872	Certified	Category 3		161343 Sacramento	No	12	0	5/28/2016	Debris from Lateral
SS	Sacramento Area Sewer District CS	555010912	824796	Certified	Category 3		158312 Sacramento	No	11	0	4/10/2016	Root intrusion
SS	Sacramento Area Sewer District CS	555010912	824823	Certified	Category 3		158812 Sacramento	No	11	0	4/18/2016	Root intrusion
SS	Sacramento Area Sewer District CS	555010912	825830	Certified	Category 3		160332 Sacramento	No	11	0	5/11/2016	Root intrusion
5R	MT Shasta CS	555010835	823849	Certified	Category 1	N. A St & Orem	Siskiyou	Yes	10	10	4/5/2016	Debris-General
SS	City Of Jackson CS	555010895	823659	Certified	Category 1	723 Court st Jackson ca. 95642	Amador	Yes	10	5	4/5/2016	Root intrusion
SS	Davis CS	555010921	823878	Certified	Category 3	221 First Street	Yolo	No	10	0	4/13/2016	Root intrusion
SS	Dry Creek CS	555010935	824373	Certified	Category 3	1013 Shearer St	Placer	No	10	0	4/15/2016	Root intrusion
SS	Sacramento Area Sewer District CS	555010912	824828	Certified	Category 3		159066 Sacramento	No	10	0	4/21/2016	Root intrusion
SS	Sacramento Area Sewer District CS	555010912	824839	Certified	Category 3		159582 Sacramento	No	10	0	4/29/2016	Root intrusion
SS	Sacramento Area Sewer District CS	555010912	825848	Certified	Category 3		160751 Sacramento	No	10	0	5/19/2016	Debris-General
SS	City of Stockton MUD CS	555011433	824583	Certified	Category 3	249 W. Clay ST.	San Joaquin	No	9	0	5/14/2016	Root Intrusion
SS	Sacramento Area Sewer District CS	555010912	825868	Certified	Category 3		161297 Sacramento	No	9	0	5/26/2016	Debris-General
SS	City of Stockton MUD CS	555011433	823593	Certified	Category 3	1547 Carpenter Rd.	San Joaquin	No	8	0	4/2/2016	Debris-General
SS	Sacramento Area Sewer District CS	555010912	824808	Certified	Category 3		158562 Sacramento	No	8	0	4/14/2016	Debris-General
SS	Sacramento Area Sewer District CS	555010912	825826	Certified	Category 3		160218 Sacramento	No	8	0	5/10/2016	Root intrusion
SS	City of Woodland CS	555010903	824695	Certified	Category 3	69 West Beamer ST, Woodland California, 95695	Yolo	No	8	0	5/10/2016	Root intrusion
SS	Sacramento Area Sewer District CS	555010912	825829	Certified	Category 3		160329 Sacramento	No	8	0	5/11/2016	Root intrusion
SS	City of Stockton MUD CS	555011433	823607	Certified	Category 3	730 E. Loretta Ave.	San Joaquin	No	7	0	4/3/2016	Root intrusion
SS	Sacramento Area Sewer District CS	555010912	824800	Certified	Category 3		158365 Sacramento	No	7	0	4/11/2016	Root intrusion
SS	Sacramento Area Sewer District CS	555010912	824803	Certified	Category 3		158382 Sacramento	No	7	0	4/11/2016	Debris-General
SS	Sacramento Area Sewer District CS	555010912	824814	Certified	Category 3		158702 Sacramento	No	7	0	4/15/2016	Root intrusion
5F	City of Fresno CS	555011202	824119	Certified	Category 3	2524 E. Saginaw	Fresno	No	7	0	4/23/2016	Root Intrusion
SS	City of Woodland CS	555010903	824064	Certified	Category 3	919 West ST	Yolo	No	7	0	4/23/2016	Pipe Structural Problem/Failure
SS	Sacramento Area Sewer District CS	555010912	825816	Certified	Category 3		159961 Sacramento	No	7	0	5/4/2016	Debris-General
SS	Sacramento Area Sewer District CS	555010912	825850	Certified	Category 3		160783 Sacramento	No	7	0	5/19/2016	Debris-General
SS	Sacramento Area Sewer District CS	555010912	825854	Certified	Category 3		160873 Sacramento	No	7	0	5/21/2016	Root intrusion
SS	Sacramento Area Sewer District CS	555010912	824780	Certified	Category 3		157908 Sacramento	No	6	0	4/3/2016	Grease deposition (FOG)
SS	Sacramento Area Sewer District CS	555010912	824786	Certified	Category 3		158047 Sacramento	No	6	0	4/4/2016	Root intrusion
SS	Sacramento Area Sewer District CS	555010912	824820	Certified	Category 3		158734 Sacramento	No	6	0	4/17/2016	Root intrusion
SS	Sacramento Area Sewer District CS	555010912	825811	Certified	Category 3		159713 Sacramento	No	6	0	5/1/2016	Root intrusion
SS	Dry Creek CS	555010935	824651	Certified	Category 3	801 Vernon St	Placer	No	6	0	5/4/2016	Debris-Rags
SS	Sacramento Area Sewer District CS	555010912	825832	Certified	Category 3		160412 Sacramento	No	6	0	5/12/2016	Debris-General
SS	Sacramento Area Sewer District CS	555010912	825836	Certified	Category 3		160466 Sacramento	No	6	0	5/14/2016	Root intrusion
SS	Sacramento Area Sewer District CS	555010912	825840	Certified	Category 3		160520 Sacramento	No	6	0	5/16/2016	Debris-General
SS	Sacramento Area Sewer District CS	555010912	825858	Certified	Category 3		161016 Sacramento	No	6	0	5/24/2016	Root intrusion
SS	Sacramento Area Sewer District CS	555010912	825869	Certified	Category 3		161306 Sacramento	No	6	0	5/27/2016	Root intrusion
SS	Sacramento Area Sewer District CS	555010912	824778	Certified	Category 3		157899 Sacramento	No	5	0	4/2/2016	Root intrusion
SS	City of Sacramento Combined CS	555010901-C	823599	Certified	Category 3	2783 REGINA WAY, SACRAMENTO, CA	Sacramento	No	5	0	4/3/2016	Root Intrusion
SS	Sacramento Area Sewer District CS	555010912	824783	Certified	Category 3		157946 Sacramento	No	5	0	4/4/2016	Root intrusion

Region	Collection System	WDID	Spill ID	Certification Status	Spill Type	Spill Location Name	County	Did Spill Reach Surface Waters? (Y/N)	Total Spill Volume (Gallons)	Spill Volume that Reached Surface Waters (Gallons)	Start Date	Spill Cause
SS	Sacramento Area Sewer District CS	555010912	824785	Certified	Category 3		158002 Sacramento	No	5	0	4/5/2016	Root intrusion
SS	City of Stockton MUD CS	555011433	823651	Certified	Category 3	2209 W. Rose St. Stockton Ca	San Joaquin	No	5	0	4/5/2016	Grease Deposition (FOG)
SS	Sacramento Area Sewer District CS	555010912	824788	Certified	Category 3		158070 Sacramento	No	5	0	4/6/2016	Root intrusion
SS	Sacramento Area Sewer District CS	555010912	824790	Certified	Category 3		158117 Sacramento	No	5	0	4/6/2016	Debris-General
SS	Sacramento Area Sewer District CS	555010912	824810	Certified	Category 3		158620 Sacramento	No	5	0	4/14/2016	Root intrusion
SS	Sacramento Area Sewer District CS	555010912	824816	Certified	Category 3		158720 Sacramento	No	5	0	4/16/2016	Root intrusion
5F	El Portal CS	555010735	823973	Certified	Category 3	El Portal, 5512 Foresta Road, Manhole #3001, Front of Clark Hall	Mariposa	No	5	0	4/18/2016	Pipe Structural Problem/Failure
5R	Redding City CS	555010801	824313	Certified	Category 3	Manhole 09-35, in ROW just north of 851 Parsons Dr.	Shasta	No	5	0	4/28/2016	Debris from Lateral
SS	Sacramento Area Sewer District CS	555010912	824838	Certified	Category 3		159510 Sacramento	No	5	0	4/29/2016	Root intrusion
SS	Dry Creek CS	555010935	825184	Certified	Category 3	503 Loretto	Placer	No	5	0	5/10/2016	Root intrusion
SS	Sacramento Area Sewer District CS	555010912	825827	Certified	Category 3		160227 Sacramento	No	5	0	5/10/2016	Root intrusion
SS	Sacramento Area Sewer District CS	555010912	825833	Certified	Category 3		160418 Sacramento	No	5	0	5/12/2016	Root intrusion
SS	Sacramento Area Sewer District CS	555010912	825839	Certified	Category 3		160519 Sacramento	No	5	0	5/14/2016	Debris-General
SS	Sacramento Area Sewer District CS	555010912	825837	Certified	Category 3		160474 Sacramento	No	5	0	5/15/2016	Root intrusion
SS	City Of Folsom CS	555010893	824749	Certified	Category 3	111 Boxler Ct	Sacramento	No	5	0	5/17/2016	Pipe Structural Problem/Failure
SS	City Of Folsom CS	555010893	825435	Certified	Category 3	627 Lefevre Dr	Sacramento	No	5	0	5/19/2016	Other (specify below)
SS	Sacramento Area Sewer District CS	555010912	825846	Certified	Category 3		160733 Sacramento	No	5	0	5/19/2016	Root intrusion
SS	Sacramento Area Sewer District CS	555010912	825847	Certified	Category 3		160740 Sacramento	No	5	0	5/19/2016	Root intrusion
SS	Sacramento Area Sewer District CS	555010912	825855	Certified	Category 3		160934 Sacramento	No	5	0	5/23/2016	Root intrusion
SS	Sacramento Area Sewer District CS	555010912	825857	Certified	Category 3		160948 Sacramento	No	5	0	5/23/2016	Root intrusion
SS	Sacramento Area Sewer District CS	555010912	825865	Certified	Category 3		161283 Sacramento	No	5	0	5/27/2016	Vandalism
SS	Sacramento Area Sewer District CS	555010912	825879	Certified	Category 3		161458 Sacramento	No	5	0	5/31/2016	Root intrusion
SS	Sacramento Area Sewer District CS	555010912	824784	Certified	Category 3		157992 Sacramento	No	4	0	4/3/2016	Root intrusion
SS	Sacramento Area Sewer District CS	555010912	824801	Certified	Category 3		158372 Sacramento	No	4	0	4/11/2016	Root intrusion
SS	Sacramento Area Sewer District CS	555010912	824811	Certified	Category 3		158633 Sacramento	No	4	0	4/15/2016	Root intrusion
SS	Sacramento Area Sewer District CS	555010912	824813	Certified	Category 3		158660 Sacramento	No	4	0	4/15/2016	Debris-General
SS	Sacramento Area Sewer District CS	555010912	824831	Certified	Category 3		159157 Sacramento	No	4	0	4/25/2016	Root intrusion
SS	Sacramento Area Sewer District CS	555010912	824832	Certified	Category 3		159168 Sacramento	No	4	0	4/25/2016	Root intrusion
SS	Sacramento Area Sewer District CS	555010912	824833	Certified	Category 3		159250 Sacramento	No	4	0	4/25/2016	Root intrusion
SS	Sacramento Area Sewer District CS	555010912	825812	Certified	Category 3		159737 Sacramento	No	4	0	5/2/2016	Root intrusion
SS	Sacramento Area Sewer District CS	555010912	825821	Certified	Category 3		160098 Sacramento	No	4	0	5/7/2016	Root intrusion
SS	Sacramento Area Sewer District CS	555010912	825824	Certified	Category 3		160107 Sacramento	No	4	0	5/8/2016	Root intrusion
SS	Sacramento Area Sewer District CS	555010912	825841	Certified	Category 3		160547 Sacramento	No	4	0	5/16/2016	Vandalism
SS	City of Stockton MUD CS	555011433	824604	Certified	Category 3	744 W. Flora St.	San Joaquin	No	4	0	5/16/2016	Root intrusion
SS	Sacramento Area Sewer District CS	555010912	825843	Certified	Category 3		160592 Sacramento	No	4	0	5/17/2016	Root intrusion
SS	Sacramento Area Sewer District CS	555010912	825849	Certified	Category 3		160780 Sacramento	No	4	0	5/19/2016	Root intrusion
SS	Sacramento Area Sewer District CS	555010912	825864	Certified	Category 3		161266 Sacramento	No	4	0	5/27/2016	Root intrusion
SS	Sacramento Area Sewer District CS	555010912	825867	Certified	Category 3		161292 Sacramento	No	4	0	5/27/2016	Root intrusion
SS	Colonial Heights Maintenance District CS	555011471	825525	Certified	Category 3	8100 San Diego	San Joaquin	No	3	0	4/5/2016	Debris-General
SS	Sacramento Area Sewer District CS	555010912	824789	Certified	Category 3		158075 Sacramento	No	3	0	4/6/2016	Root intrusion
SS	Sacramento Area Sewer District CS	555010912	824792	Certified	Category 3		158232 Sacramento	No	3	0	4/8/2016	Root intrusion
SS	Sacramento Area Sewer District CS	555010912	824799	Certified	Category 3		158352 Sacramento	No	3	0	4/11/2016	Root intrusion
SS	Sacramento Area Sewer District CS	555010912	824806	Certified	Category 3		158502 Sacramento	No	3	0	4/11/2016	Root intrusion
SS	Sacramento Area Sewer District CS	555010912	824809	Certified	Category 3		158603 Sacramento	No	3	0	4/14/2016	Debris-Rags
SS	Sacramento Area Sewer District CS	555010912	824815	Certified	Category 3		158713 Sacramento	No	3	0	4/16/2016	Root intrusion
SS	Sacramento Area Sewer District CS	555010912	824818	Certified	Category 3		158728 Sacramento	No	3	0	4/17/2016	Root intrusion
SS	Sacramento Area Sewer District CS	555010912	824827	Certified	Category 3		158915 Sacramento	No	3	0	4/19/2016	Vandalism
SS	City Of Lakeport CS	555010896	824443	Certified	Category 3	North Forbes St btwn Ninth & Tenth Sts	Lake	No	3	0	5/9/2016	Debris-General
SS	Sacramento Area Sewer District CS	555010912	825828	Certified	Category 3		160277 Sacramento	No	3	0	5/11/2016	Root intrusion
SS	Sacramento Area Sewer District CS	555010912	825835	Certified	Category 3		160432 Sacramento	No	3	0	5/13/2016	Debris-General
SS	Sacramento Area Sewer District CS	555010912	825842	Certified	Category 3		160582 Sacramento	No	3	0	5/17/2016	Root intrusion
SS	Sacramento Area Sewer District CS	555010912	825853	Certified	Category 3		160844 Sacramento	No	3	0	5/20/2016	Root intrusion
SS	City of Stockton MUD CS	555011433	825125	Certified	Category 3	620 N Aurora St	San Joaquin	No	3	0	5/25/2016	Debris from Lateral
SS	Sacramento Area Sewer District CS	555010912	825866	Certified	Category 3		161290 Sacramento	No	3	0	5/27/2016	Root intrusion
SS	City of Stockton MUD CS	555011433	824970	Certified	Category 3	1609 Navajo Dr	San Joaquin	No	3	0	5/27/2016	Debris-General
SS	Sacramento Area Sewer District CS	555010912	825871	Certified	Category 3		161329 Sacramento	No	3	0	5/28/2016	Root intrusion
SS	Sacramento Area Sewer District CS	555010912	825874	Certified	Category 3		161363 Sacramento	No	3	0	5/29/2016	Root intrusion
SS	Sacramento Area Sewer District CS	555010912	825876	Certified	Category 3		161407 Sacramento	No	3	0	5/31/2016	Root intrusion
SS	Sacramento Area Sewer District CS	555010912	825877	Certified	Category 3		161423 Sacramento	No	3	0	5/31/2016	Root intrusion
SS	City of Stockton MUD CS	555011433	823610	Certified	Category 3	6616 Gunton Way	San Joaquin	No	2	0	4/2/2016	Root intrusion
SS	Sacramento Area Sewer District CS	555010912	824795	Certified	Category 3		158308 Sacramento	No	2	0	4/10/2016	Debris-General
SS	Sacramento Area Sewer District CS	555010912	824812	Certified	Category 3		158641 Sacramento	No	2	0	4/15/2016	Root intrusion
SS	City Of Folsom CS	555010893	824516	Certified	Category 3	416 Sutter St	Sacramento	No	2	0	4/18/2016	Root intrusion
SS	Sacramento Area Sewer District CS	555010912	824834	Certified	Category 3		159299 Sacramento	No	2	0	4/26/2016	Grease deposition (FOG)
SS	Sacramento Area Sewer District CS	555010912	824841	Certified	Category 3		159591 Sacramento	No	2	0	4/30/2016	Root intrusion
SS	Sacramento Area Sewer District CS	555010912	825814	Certified	Category 3		159766 Sacramento	No	2	0	5/2/2016	Root intrusion
SS	Sacramento Area Sewer District CS	555010912	825815	Certified	Category 3		159886 Sacramento	No	2	0	5/4/2016	Operator error
SS	Sacramento Area Sewer District CS	555010912	825817	Certified	Category 3		159988 Sacramento	No	2	0	5/4/2016	Operator error
SS	Dry Creek CS	555010935	824652	Certified	Category 3	1010 Tamarack Ct	Placer	No	2	0	5/9/2016	Pipe Structural Problem/Failure
SS	Sacramento Area Sewer District CS	555010912	825834	Certified	Category 3		160420 Sacramento	No	2	0	5/12/2016	Debris-General

Region	Collection System	WDID	Spill ID	Certification Status	Spill Type	Spill Location Name	County	Did Spill Reach Surface Waters? (Y/N)	Total Spill Volume (Gallons)	Spill Volume that Reached Surface Waters (Gallons)	Start Date	Spill Cause
SS	Sacramento Area Sewer District CS	55SO10912	825844	Certified	Category 3		160653 Sacramento	No	2	0	5/18/2016	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	825851	Certified	Category 3		160787 Sacramento	No	2	0	5/20/2016	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	825852	Certified	Category 3		160820 Sacramento	No	2	0	5/20/2016	Root intrusion
SS	Dry Creek CS	55SO10935	825736	Certified	Category 3	1647 Ashford	Placer	No	2	0	5/24/2016	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	825859	Certified	Category 3		161043 Sacramento	No	2	0	5/24/2016	Debris-General
SS	Sacramento Area Sewer District CS	55SO10912	825861	Certified	Category 3		161110 Sacramento	No	2	0	5/25/2016	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	825862	Certified	Category 3		161167 Sacramento	No	2	0	5/25/2016	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	825870	Certified	Category 3		161321 Sacramento	No	2	0	5/28/2016	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	825875	Certified	Category 3		161391 Sacramento	No	2	0	5/31/2016	Vandalism
SS	Sacramento Area Sewer District CS	55SO10912	824776	Certified	Category 3		157865 Sacramento	No	1	0	4/1/2016	Pipe Structural Problem/Failure
SS	Sacramento Area Sewer District CS	55SO10912	824777	Certified	Category 3		157876 Sacramento	No	1	0	4/1/2016	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	824781	Certified	Category 3		157925 Sacramento	No	1	0	4/4/2016	Debris-General
SS	City of Stockton MUD CS	55SO11433	823646	Certified	Category 3	2635 S Harrison St	San Joaquin	No	1	0	4/5/2016	Debris-General
SS	Sacramento Area Sewer District CS	55SO10912	824797	Certified	Category 3		158321 Sacramento	No	1	0	4/11/2016	Operator error
SS	Sacramento Area Sewer District CS	55SO10912	824807	Certified	Category 3		158541 Sacramento	No	1	0	4/13/2016	Operator error
SS	Sacramento Area Sewer District CS	55SO10912	824821	Certified	Category 3		158767 Sacramento	No	1	0	4/18/2016	Debris-General
SS	Sacramento Area Sewer District CS	55SO10912	824824	Certified	Category 3		158836 Sacramento	No	1	0	4/19/2016	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	824830	Certified	Category 3		159152 Sacramento	No	1	0	4/24/2016	Root intrusion
SS	Dry Creek CS	55SO10935	824524	Certified	Category 3	407 Yosemite	Placer	No	1	0	4/29/2016	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	825813	Certified	Category 3		159758 Sacramento	No	1	0	5/2/2016	Operator error
SS	Sacramento Area Sewer District CS	55SO10912	825818	Certified	Category 3		159989 Sacramento	No	1	0	5/5/2016	Other (specify)
SS	Sacramento Area Sewer District CS	55SO10912	825819	Certified	Category 3		160053 Sacramento	No	1	0	5/6/2016	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	825822	Certified	Category 3		160104 Sacramento	No	1	0	5/8/2016	Debris-General
SS	City of Stockton MUD CS	55SO11433	824761	Certified	Category 3	429 VincenteWy, Stockton Ca.	San Joaquin	No	1	0	5/25/2016	Debris-General